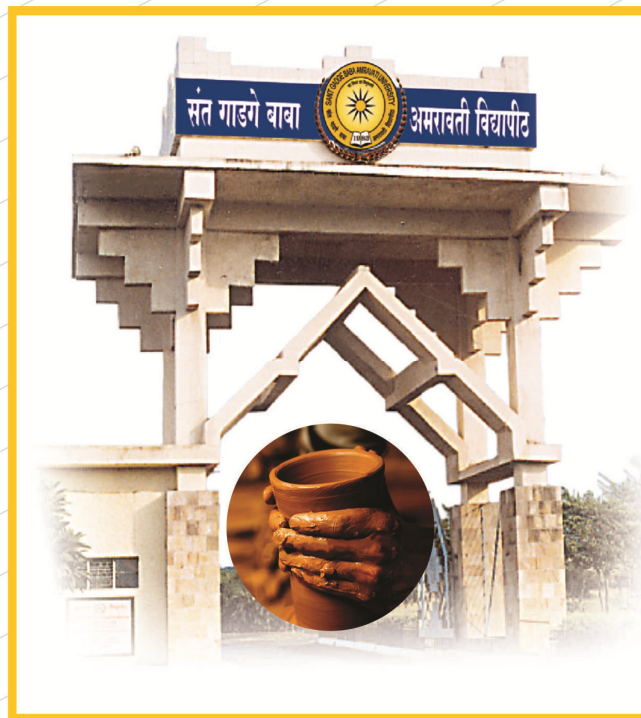




# **Sant Gadge Baba Amravati University**

## **SELF STUDY REPORT For Accreditation (Cycle III) 2015**

**Part II  
Departmental Inputs**



**SUBMITTED TO  
NATIONAL ASSESSEMENT AND ACCREDITATION COUNCIL, BANGALORE**

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## PART-II

### Departmental Inputs

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## Evaluative Report of the Department

1. Name of the Department : **Home Science**
2. Year of establishment : 1983
3. Is the Department part of a School/Faculty of the university? :
  - Yes, Faculty of Home Science.
4. Names of programmes offered :  
(UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., Diploma, P.G. Diploma, Certificate Courses, Advance Diploma etc.):

Level of the Programme	Name of the Programme	Duration	Intake capacity	Faculty
PG	M.Sc. Home Science (Food Science & Nutrition )	2 years	16*	Home Science
PG	M.Sc. Home Science (Resource Management )	2 years	10	Home Science
PG	M.Sc. Home Science (Communication and Extension )	2 years	10	Home Science

\* (10 for Home Science faculty and 06 for other faculties)

5. Interdisciplinary programmes and departments involved : Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc.:  
Nil
7. Details of programmes discontinued, if any, with reasons : Nil
8. Examination System:
  - Semester (Odd semesters conducted by department and even semesters conducted by University)
  - Choice Based Credit System - Since 2010
9. Participation of the department in the courses offered by other departments
  - Yes. As per CBCS.

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/Others (specify)):

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	01	01	01
Associate Professor	02	01	01
Assistant Professor	04	03	03
Other (Specify)	-	-	-

11. **Faculty profile** with name, qualification, designation, area of specialization, experience and research under guidance:

S. N.	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 years
1	Dr. A. G. Mane	M.Sc., B.Ed., Ph.D.	Professor & Head	Food Science & Nutrition	32	05
2	Dr. M. P. Kale	M.Sc. M.Phil, Ph.D.	Associate Professor	Food Science & Nutrition	20	06
3	Ms. V. P. Dhanvijay	M.Sc. NET, P.G. Dip in Dietetics	Assistant Professor	Food Science & Nutrition	11	-
4	Dr. A. S. Deshmukh	M.Sc. M.Phil, Ph. D.	Assistant Professor	Communication & Extension	06	-
5	Dr. S. V. Deshmukh	M.Sc. M.Phil, M.Ed., Ph. D.	Assistant Professor	Communication & Extension	06	-

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors :

Year	Name of senior Visiting Fellows	Name of adjunct faculty	Name of emeritus professors
2012-13	Dr. P. S. Shinde	-	-
2011-12	Dr. Milind Dudhane Dr. S. Y. Kulkarni	-	-
2010-11	Dr. P. S. Shinde	-	-

13. Percentage of classes taken by temporary faculty- programme wise information:

S. N.	Year	No. of CHB	% of classes taken
1	2014-15	24	61.11
2	2013-14	27	61.11
3	2012-13	24	61.11
4	2011-12	23	61.11
5	2010-11	14	61.11

14. Programme-wise Student Teacher Ratio (*include only permanent staff*) :

S. N.	Year	Student Teacher Ratio
1	2014-15	11.2:1
2	2013-14	11.4:1
3	2012-13	8.8:1
4	2011-12	7.6:1
5	2010-11	5:1

## 15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

S. N.	Name of the Post	No. of Sanctioned Posts	No. of Filled Posts	No. of Vacant Posts
1	Lab Technician	1	1	Nil
2	Lab Attendant	1	1	Nil

## 16. Research thrust areas as recognized by major funding agencies:

Thrust Areas	Funding Agencies
Women and Rural Development	DBT
Agriculture, & Home Science	UGC

17. **Number of faculty with ongoing projects** from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

S. N.	Name of Faculty (PI/Co-PI)	Title of Project	Funding Agency	Total Grants Sanctioned	Status National /International	Duration & Year of Sanction	Ongoing/Completed
1	Dr. S.V. Deshmukh	Techno-Feasibility of Zero Energy Cool Chamber in the Region for Increasing self life of Perishable Foods	UGC	2Lakh	National	2 Years (2012-13)	Completed
2	Dr. M.P. Kale	Transfer of Soybean Processing Technology amongst Rural Women through Participatory Approach	DBT	10.90 lakh	National	3 Years (2011-12)	Completed
3	Ms. V.P. Dhanvijay	Impact of Education about Healthy Living Practises on Health	UGC	86,500	National	2 Years (2011-12)	Completed

		Behaviour Adolescent Girl					
4	Dr. A.S. Deshmukh	Enhancing Knowledge about Nutritional Improvement Technology among Rural Women	UGC	1,15,000	National	2 Years (2011-12)	Completed
5	Ms. V.P. Dhanvijay	Impact of Education about Healthy Living Practises on Health Behaviour Adolescent Girl	UGC	86,500	National	2 Years (2010-11)	Ongoing

18. Inter-institutional collaborative projects and associated grants sanctioned:

Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants sanctioned:

Nil

20. Research facility / centre :

Details of Facilities and Major Equipments for Research (more than 1 Lac) available in the Department:

S. N.	Name of Equipment
01	Leaser Digital LCD Biological Microscope Analyzer
02	Body Stat Bioelectrical Analyzer
03	Moisture Analyser
04	Fibra Plus Extraction System
05	Digital HD Video Camera, Recorder Model SONY HVRZ5P
06	Kelplus Automatic Nitrogen Estimation System
07	Fibra Plus Automatic Fibre Estimation System

21. Special research laboratories sponsored by / created by industry or corporate bodies

Nil

## 22. Details of Publications:

## 22.1 Research Articles/Publication :

S. N.	Name of Authors	Title of Paper	Name of the Journal and Vol. No., Year, Page No.	Status National/ International	ISSN/ ISBN No of Journal	Impact Factor(if any)	h-Index	Citation Index	Listed in International Database
1	Dr. A.G. Mane	Impact of Training about Mushroom Cultivation on Mushroom Growers	National Journal of Research, Extension and Development Vol.4, No.8, pp51-54, (2014-15)	National	ISBN - 2319-1899		-	-	-
2	Dr. S.V. Deshmukh	Documentation on Crop Protection Post Harvesting and Grain Storage Practices of Korku Farmers in Melghat Region	National Journal of Research, Extension and Development Vol.4, No.8, pp89-91, (2014-15)	National	ISBN - 2319-1899		-	-	-
3	Ms. V.P. Dhanvijay	Knowledge of Type 2 Diabetics about Functional Food	PARIEAX – Indian Journal of Research Vol.2, 4 April 2013 Page No. 52-53	International	ISSN-2250-1991	0.3208	-	-	-
4	Ms. V.P. Dhanvijay	Evaluation of Rice Bran Incorporated Mix Grain Cookies	Global Research Analysis April 2013 Page No. 169	International	ISSN-2277-8160	0.2714	-	-	-
5	Dr. M. P. Kale	Awareness about nutritional therapeutic and food application of locally available less familiar vegetables	Scholars' Vision multi Disciplinary Bi-annual National Journal Vol.-2 Page No. 22-24 Feb. 2013	National	ISNN No. 2278-7984	-	-	-	-
6	Dr. M. P. Kale	Documentation of Ethnomedicinal uses of locally available vegetables and Fruits	Global Multi-disciplinary Journal Page No. 24-48 March 2013	National	ISNN No. 2278-4349	-	-	-	-

7	Ms. V. P. Dhanvijay	Dr. Babasaheb Ambedkar's Efforts for Women Empowerment & Present Status of Women in Society	Electronic International Interdisciplinary Research Journal Vol. 2(4) year- April 2012 Page No. 111-114	International	ISSN No. 2277-8721	-	-	-	-
8	Dr. A. S. Deshmukh	Empowerment of rural women through self help group	Research Bulletin an International Quarterly Research Journals Vol. 8, year- 2012-12	International	ISSN No. 2231-1025	-	-	-	-
9	Dr. A. G. Mane	Physico - Chemical Characteristics of Amba Nala & Neighbouring ground water sources in Amravati City	Vidyabharti International Interdisciplinary Research Journal Vol. 1 (2) year 2012 Page No.69-74	International	-	-	-	-	-
10	Dr. A. G. Mane	Hypolipidemic effect of oyster Mushroom Nutraceuticals	Asian Journal of Home Science Vol. 6(1), Year 2012, Page No.12-15	International	ISSN-0973-4732	-	-	-	-
11	Dr. M. P. Kale	Popularisation of less familiar vegetables among rural adolescent girls	Global Multidisciplinary Journal Feb.2012 Page No. 50-52	National	ISSN No. 2278-4359	-	-	-	-
12	Dr. A. G. Mane	Biological Assay of Protein Quality of Sorghum Diet Supplemented with Pleurotus-sajor-kaju and Pleurotus florida	Research Journal Amravati University Vol. 5, Dec. 2011 page No. 12-16	National	ISSN-0973-9173	-	-	-	-
13	Dr. A. G. Mane	Effect of Mushroom Diet on Weight Gain of Albino Rat	Research Journal Amravati University Vol. 5, Dec.2011, Page No.-77-82	National	ISSN-0973-9173	-	-	-	-
14	Dr. M. P. Kale	Impact of Nutrition Improvement Technology Training on	PKV Research Journal Vol. 35(1), Jan 2011,	National	ISSN-0378-813X	-	-	-	-



		Adolescent Girls	Page No. 115-118			-	-	-	-
15	Dr. A. S. Deshmukh	Effect of educational programme on school girls regarding their hygiene during menstruation	Srujan Prabhat A-Biannual Research Journal Vol. -II (1) Dec.2011,	National	ISSN No. 2249-1171	-	-	-	-
16	Dr. A. S. Deshmukh	Utility perception of rural women about Zero Energy Cool Chamber	Decision and Action Research Journal Vol.- 3(3), Oct. 2011,	National	ISSN No. 0975-590	-	-	-	-

## 22.2 Books Written/ Edited:

S. N.	Name of Authors	Title of Book	Name of Publisher	ISSN/IS BN No.	Year, No. of Pages	Acted as (Editor/ Author)
1	Dr. M. P. Kale	Aahar Hech Aushadh	Print on Demand, Pune	9788191 044805	2013-14, 1-174	Author

## 22.3 Monographs/ Chapters in Book/s Written/Edited:

Nil

## 22.4 Publications in Conference/Seminar Proceedings:

S. N.	Name of Authors	Title of Paper	Name of the Conference/Seminar/Workshop	Status National/ International	ISSN/ISBN No (if any)	Name of Organizing Agency	Duration and Date	Vol. & Page No. of Proceeding
1.	Dr. A. G. Mane	Improvement in Nutritional and Therapeutic Properties of daily meal items through addition of Oyster Mushroom	8 <sup>th</sup> International Conference on Mushroom Biology and Mushroom Products	International	-	World Society of Mushroom Biology and Mushroom Product ICAR, New Delhi	4 days 19-22 Nov. 2014	Page No. 582-593
2.	Ms. V.P. Dhanvijay	Educational Strategies to Improve Nutrition Knowledge of Rural Adolescent Girls	UGC-National conference on Health, Fitness, Yoga & Community Nutrition:Esse	National	ISBN: 978-93-83993-98-7	Janata Shikshan Prasarak Mandal's Dept of Home Economics, Smt V N Mahila MV, Pusad, Di-	24& 25 <sup>th</sup> Nov. 2014	Page No.184 to 186

			nce of Life			Yavatmal		
3.	Dr. A S Deshmukh	Health fitness and nutritional pronsblems of senior citizen	UGC sponsored National conference on Health,Fitness, Yoga & Community Nutrition:Esse nce of Life	Nation al	ISBN: 978- 93- 83993- 98-7	Janata Shikshan Prasarak Mandal's Dept of Home Economics,Smt Vatsalabai Naik Mahila Mahavidyalaya ,Pusad,Di- Yavatmal	24& 25 <sup>th</sup> Nov. 2014	Page No.16 9 to 170
4.	Dr. S.V. Deshmukh	An Emerging Trend in Communication and Extension	Futuristic and Innovative Application of Home Science for Community Upliftment	Nation al	ISBN- 978- 81- 92265 2-4-7	Department of Home Science, RDG College for Women, Akola	20 Sept 2014	Page No. 435- 438
5.	Dr. A S Deshmukh	Constraints of Adoption of Kitchen Gardening Techniques	National Seminar on Futuristic and Innovative Application of Home Science for Community Upliftment	Nation al	ISBN- 978- 81- 92265 2-4-7	Department of Home Science, RDG College for Women, Akola	20 Sept 2014	Page No.
6	Dr. M.P.Kale	Soybean Processing Technology Training-An Important Tool for Behavioural Change in Young Women	International Interdisciplinar y Conference on Research in Behavioural Sciences The Road Ahead 2013	Interna tional	ISBN- 976- 81- 92339 3-07	Takshashila Mahavidyalaya, Amravati in Collabration with Dept. Of Business Management, SGB Amravati University	2 Days 17- 18 Oct. 2013	Page No. 215- 217
7	Dr. A.G. Mane	Methodological Issues in Validation of traditional Knowledge	Methodologica l issues in Identification Documentatio n and Validation of traditional Knowledge	Nation al		Department of Home Science, SGB Amravati University	17 Sep. 2012	Page No.16 -18
8	Dr. A.G. Mane	Acceptability and Nutritional Quality and Oyster Mushroom Powder supplementary foods	18 <sup>th</sup> Congress of the International Society for Mushroom Science	Interna tional		The International Society for Mushroom Science Institute of Agricultural Resources and Regional Planning, Chinese Academy of Agricultural	26 to 30 Aug. 2012	Page No.

						Sciences		
9	Dr. A.G. Mane	Effect of Mushroom Entrepreneurship Development Training Programme on Adoption of Mushroom Enterprise by Youths of Weaker Section	18 <sup>th</sup> Congress of the International Society for Mushroom Science	International		The International Society for Mushroom Science Institute of Agricultural Resources and Regional Planning, Chinese Academy of Agricultural Sciences	26 to 30 Aug. 2012	Page No. 954-958
10	Dr. M.P.Kale	Methodological Issues in Identification of traditional Knowledge	Methodological issues in Identification Documentation and Validation of traditional Knowledge	National		Department of Home Science, SGB Amravati University	17 Sep. 2012	Page No.9-12
11	Dr. S.V. Deshmukh	Methodological Issues in Documentation of traditional Knowledge	Methodological issues in Identification Documentation and Validation of traditional Knowledge	National		Department of Home Science, SGB Amravati University	17 Sep. 2012	Page No.13-15
12	Dr. S. V. Deshmukh	Bio efficiency and Biochemical Changes in Agro Wastes by Cultivation of Pleurotu sajor caju	18 <sup>th</sup> Congress of the International Society for Mushroom Science	International		The International Society for Mushroom Science Institute of Agricultural Resources and Regional Planning, Chinese Academy of Agricultural Sciences	26 to 30 Aug. 2012	Page No. 794-98
13	Dr. S. V. Deshmukh	Spotlight on National Girl Child Day	Conference on Feminism in Contemporary India	National	ISBN-978-81-922414-9-4	Pratibha Women's Study Centre Vidyabharati Mahavidyalaya	30 March 2012	Page No. 75-76
14	Dr. M.P.Kale	Empowerment of Young Women about Nutrition and Health Improvement Technology	UGC Sponsored International interdisciplinary Conference on women empowerment	International	ISBN978-81-922414-0-1	women study centre Ramkrishna College Darapur	Two 25-26 Nov 2011	Vol. 2 Pg 378-380

15	Dr. S.V. Deshmukh	Impact of Information Education Communication about Nutritional Awareness of School Girls	Proceeding of Conference on Need to Assess the Nutritional Status of Adolescent Girls for Futuristic Task	National	ISBN	Shankarlal Khandelwal College, Akola	13 Oct 2011	Page No. 30-31
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23. Details of **patents**:

S. N.	Year	Name (s) of the Faculty Member	Type of Patent (National/International)	Status (Filed/Awarded)
1	2012-13	Dr. Asha Mane Dr. Shilpa Bhaise	National	Filed

24. Areas of **consultancy** and income generated:

S. N.	Year	Name of the faculty member	Area of consultancy	Income generated
1	2014 – 15	Ms. Vaishali Dhanvijay	Diet Consultancy	600/-
2	2013 - 14	Ms. Vaishali Dhanvijay	Diet Consultancy	540/-
4	2011 - 12	Ms. Vaishali Dhanvijay	Diet Consultancy	160/-

## 25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:

Nil

## 26. Faculty serving on

a) National committees b) International committees c) Editorial Boards d) any other

S. N.	Year	Name of the Faculty	National Committees/ International Committees/ Editorial Boards/ Any Other (specify)	Organization	Acted as Member / Chairman/ Secretary/ Others
1	2010-2015	Dr. A.G.Mane	Editor – Amravati University Research Journal	SGB Amravati University	Member
2	2010-2015	Dr. A.G.Mane	Editor- Biennial Journal on Studies in Home and Community Services	KAMALARAJ, New Delhi	Member
3	2013-14	Dr. A.G. Mane	NET	UGC, New Delhi	Paper Setter
4	2014-15	Dr. A.G.Mane	MPPSC	MP Government, Indore	Moderator
5	2014-15	Dr. M.P.Kale	MPPSC	MP Government, Indore	Moderator

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

➤ Faculties are motivated to attend Refresher/ Orientation/ Workshops/ Specialized Training Programmes/ Industrial Interaction to achieve excellence in teaching and research.

28. Student projects:

- Percentage of students who have done in-house projects including inter-departmental projects: 100%
- Percentage of students doing projects in collaboration with other universities/ industry / institute:

Nil

29. Awards / Recognitions received at the National and International level by

- Faculty
- Doctoral / Post Doctoral Fellows
- Students

S. N.	Year	Name of the Faculty <sup>1</sup> /Doctoral <sup>2</sup> / post Doctoral Fellow <sup>3</sup> /Student <sup>4</sup>	Award / Recognition	Conferring Organization	Level (National/International)
1	2010-11	Priti Dharmale	JRF	UGC	National

30. **Conferences/Seminars/Workshops organized by Department:**

S. N.	Name of the Conference/Seminar/ Workshop	Status National/ International	Name of Chairman/Organizing Secretary/ Convenor	Funding Agency with Funds	Collaborators (if any)	Duration, Date and Venue
1.	Methodological Issues in Identification Documentation and Validation of Traditional Knowledge	National	Convenor – Dr. A. G. Mane Co- Convenor – Dr. M. P. Kale Secretary- Dr. S.V.Deshmukh Joint Secretary- Dr. A.S.Deshmukh	UGC	Department of Home Science	One Day 17 September 2012 Department of Home Science

## 31. Code of ethics for research followed by the departments :

- To serve the basic purpose of the research, department follows some code of ethics.
  - Sinceirity, honesty and purity in collection of data.
  - Efforts to avoid plagirisum.

## 32. Student profile programme-wise:

Year	Admitted to First Year of the Course			Pass Percentage of Students	
	Boys	Girls	Total	Boys	Girls
2014-15	2	28	30	---	---
2013-14	4	28	32	100	96
2012-13	4	23	27	25	86.95
2011-12	3	20	23	0	100
2010-11	0	21	21	--	100

## 33. Diversity of students:

Name of the Programme	Year	Percentage of students from the same university	Percentage of students from other universities within the State	Percentage of students from Universities outside the State	Percentage of students from other countries
M.Sc. (Home Science)	2014-15	86.67	13.33	0	0
	2013-14	65.63	34.38	0	0
	2012-13	51.85	48.15	0	0
	2011-12	56.52	43.48	0	0
	2010-11	80.95	19.05	0	0

## 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

- SET: 06, NET: 03

## 35. Student progression:

Student progression	Percentage against enrolled
UG to PG	--
PG to M.Phil.	--
PG to Ph.D.	03
Ph.D. to Post-Doctoral	--
Employed	
<input type="checkbox"/> Campus selection	
<input type="checkbox"/> Other than campus recruitment	13
Entrepreneurs	03

## 36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	40%
from other universities within the State	60%
from universities from other States from	-
universities outside the country	-

## 37. Number and Name of the faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

S. N.	Year	Name of Faculty
1	2013	Dr. A.S. Deshmukh

## 38. Present details of departmental infrastructural facilities with regard to :

- a) Library – 184 Books
- b) Internet facilities for staff and students- 23 Computers with Wi-Fi
- c) Total number of class rooms - 06
- d) Class rooms with ICT facility - 03
- e) Students' laboratories – 05
- f) Research laboratories- 05

## 39. List of doctoral, post-doctoral students and Research Associates :

- a) from the host institution/university:

S. N.	Name	Doctoral/post-doctoral / Research Associate	Duration of Fellowship
1	Nita Sakharkar	Research Associate	2008-2011
2	Shilpa Wagh	Project Fellow	2006-2009
3	Rupal Wagh	Project Fellow	2008-2011

- b) from other institutions/universities:

Nil

## 40. Number of post graduate students getting financial assistance from the university.

Nil

## 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Nil

42. Does the department obtain feedback from

- a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
  - Yes, Faculty members of the department are contributing in designing the curriculum, also the representation of industry in the board of studies is helpful in designing and it ensures the relevance of the curriculum. Besides, varied teaching methods are used to enhance teaching learning and evaluation.
- b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
  - Yes, the feedback is analysed for every teacher and necessary modifications were made as per the suitability to the students.
- c) Alumni and employers on the programmes offered and how does the department utilize the feedback?
  - Yes, the alumni suggested to consider the employer's need while designing curriculum and also suggested that more weightage should be given on skill development.

43. List the **distinguished alumni** of the department with their designation and address (maximum 10)

S. N.	Name	Designation	Address
1	Dr. Maya Shiralkar	Former Director, Government Vidarbha Institute of Science and Humanities, Amravati	Sabnis Plot, Kalyan Nagar, Amravati
2	Dr. Vimal Adhau	Former Dean Faculty of Home Science, Sant Gadge Baba Amravati University, Amravati	ITI Colony, Camp, Amravati
3	Dr. Asha Deshmukh	Former Principal Ane Mahila Mahavidyalay, Yeotmal	Yeotmal
4	Dr. Promod Roodkar	Former Head and Chairman of BOS Department of Home Science, Sant Gadge Baba Amravati University, Amravati	ITI Colony, Camp, Amravati
5	Dr. Manisha P. Kale	Former Dean of the Home Science Faculty, Member of Management Council of Sant Gadge Baba Amravati University, Amravati	Rukhamini Nagar, Amravati
6	Dr. Sujata Sabane	Nagarsevika, Amravati	Radha Krishna



		Municipal Corporation & Associate Professor, Shri Shivaji College, Amravati	Apartment, Camp, Amravati
7	Monica Gupta	Entrepreneur, Pulsar Jewellers, Saraf Chowk, Jawahargate, Amravati	Camp, Amravati
8	Dr. Nilima Bhosale	<ul style="list-style-type: none"> <li>Director of Mahalaxmi Patasanstha, Satara</li> <li>Working Chairman of Mahalaxmi Shikshan Sanstha, Satara</li> <li>President/ Chairman of Priyadarshani Club</li> <li>Vice-President of District Scout and Guide</li> </ul>	Sadar Bazar, Satara
9	Ku. Archana Deshmukh	Home Scientist, KVK, Yeshwantrao Chavhan Open University, Nasik	Nasik
10	Ku. Isha Dandale	Chief Dietician Wockhardt Hospital, Nagpur	Rahatgaon Road, Amravati

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Special lectures:

S. N.	Name	Topic	Date
1	Dr. Pratibha Kale	Breastfeeding just 10 steps	6/8/2010
2	Mrs. Chhaya Deshmukh	Personal grooming	12/8/2010
3	Mrs. Rajani Deshmukh	Embroidery on dress code	12/8/2010
4	Dr. Sweta Pagore	Haemoglobin and physical performance	3/9/2010
5	Dr. Sweta Pagore	Haemoglobin Camp	4/9/2010
6	Dr. R.S. Bhopale	Preparation of research proposal for submission to funding agency	6/9/2010
7	Dr. R.S Bhopale	Communication Models	9/9/2010
8	Dr. Shilpa Bhaise	Sample preparations for nutrient analysis	13/9/2010
9	Mr. Ujwala Dhewale	Use of oils and fats	14/9/2010
10	Dr.R.S.Bhopale	Participatory methodology in research	16/9/2010
11	Dr. P. S.Shinde	Graphical presentation of data	16/9/2010
12	Dr. Shilpa Bhaise	Regent preparation for biochemical analysis	20/9/2010
13	Ms. Ujwala Dhewale	Be aware about transfat	21/9/2010
14	Dr. R.S. Bhopale	Sustainable development	23/9/2010
15	Dr.P.S.Shinde	Concept conceptual model	29/9/2010

16	Dr. P.S.Shinde	Classification of data, tabulation of data	6/10/2010
17	Ms. Ujwala Dhewale	Transfat and various diseases	12/10/2010
18	Dr. P.S. Shinde	Dissertation writing, writing preliminaries and text, writing references and review of literature	14/10/2010
19	Dr. P.S. Shinde	Analysis of data	20/10/2010
20	Dr. Shilpa Bhaise	Finding normality	20/10/2010
21	Dr. P N Chaudhari	Energy Requirement	6/12/2010
22	Dr. P N Chaudhari	Basal Metabolic Rate	7/12/10
23	Dr. P N Chaudhari	Hormonal Imbalance	8/12/2010
24	Dr. P N Chaudhari	Hormonal Imbalance	9/12/2010
25	Dr. Priyanka Shende	Diet Counselling to patient	17/12/2010
26	Mr. M. B. Shinde	Packing and labelling of dehydrated material	21/12/2010
27	Dr. Shephali Dave	Networking entrepreneur	21/12/2010
28	Ms. Dhanashri Deshpande	Spiritual Education	7/1/2011
29	Dr. Shilpa Bhaise	Biochemistry lab equipment	21/1/2011
30	Dr. Shilpa Bhaise	Methods of solution preparation analysis	7/2/2011
31	Dr. R. S. Bhopale	Participatory learning method	22/2/2011
32	Dr. R. S. Bhopale	Preparation of script for television programming	24/2/2011
33	Dr. R. S. Bhopale	Use of non parametric statistics in research	28/2/2011
34	Dr. S. A. Bhaise	Calculation of normality	4/3/2011
35	Dr. R. S. Bhopale	Traditional communication methods	7/3/2011
36	Dr. R. S. Bhopale	Traditional communication methods	11/3/2011
37	Dr. R. S. Bhopale	Traditional communication methods	14/3/2011
38	Mr. Deepak Atram	Disaster Management	13/7/2011
39	Dr. P. S Shinde	Writing scientific report	20/7/2011
40	Dr. P. S Shinde	Process of writing for synopsis	27/7/2011
41	Deepak Atram	Disaster Management	29/7/2011
42	Dr. Shweta Pagore	Infant nutrition and infant feeding	3/8/2011
43	Dr. P. S. Shinde	Synopsis Writing	10/8/2011
44	Mr. Deepak Atram	Disaster Management	28/8/2011
45	Dr. Ujwala Dhewale	Rainbow Revolution	2/9/2011
46	Ms. Rupal Wagh	Traditional Meals	3/9/2011
47	Ms. Shilpa Wagh	Photochemicals	6/9/2011
48	Dr. shilpa Bhaise	Amylase Foods	7/9/2011
49	Mr. V M Virulkar	Suryamala	17/9/2011
50	Mr. V M Virulkar	Suryamala	19/9/2011
51	Mrs. Sarita Mahashabde	Management Information System	21/9/2011
52	Mr. P N Aglave	Personal grooming	13/10/2011
53	Mr. Rajesh Bhoyar	Use of Internet	18/10/2011
54	Mr Shashank Deshpande	Media Production	23/11/2011
55	Ms. Asra Mirza	Communication Skills	24/11/2011
56	Dr. Chhaya Bodade	Flower Arrangement	18/1/2012
57	Prof Vasuda Ghurde	Flower Arrangement	18/1/2012

58	Mrs Rita Palekar	Flower Arrangement	19/1/2012
59	Mrs. Ranjana Zombade	Flower Arrangement	19/1/2012
60	Mrs. Alka Godhane	Flower Arrangement	19/1/2012
61	Mrs. Varad Heda	Resume Writing	1/2/2012
62	Mr. Swapnil Gawande	Awareness about patenting of research product	15/2/2012
63	Mr. Tushar Chavhan	Awareness about patenting of research process	15/2/2012
64	Yamini Deshmukh	Residential furnishing and house keeping	14/2/2012
65	Yamini Deshmukh	Residential furnishing and house keeping	15/2/2012
66	Yamini Deshmukh	Residential furnishing and house keeping	21/2/2012
67	Dr. Sanjay Achliya	Entrepreneurship Development	29/2/2012
68	G. K. Pusatkar	Mushroom Production Technology	10/1/2013
69	Mrs S. R. Kulkarni	Carbohydrate Metabolism	25/2/2013
70	Dr. Aruna Deshmukh	Protein Biosynthesis & Amino acid metabolism	25/2/2013
71	Mrs S. R. Kulkarni	TCA Cycle, energetic & regulation	1/3/2013
72	Mr. Kaustabh Ranade	Drawing sketches 2D and 3 D (Auto-CAD)	8/3/2013
73	Dr. V. P. Gudadhe	Access to E-Resources	15/3/2013
74	Mr. Kaustabh Ranade	Auto cad	15/3/2013
75	Mr. Kaustabh Ranade	Auto cad	22/3/2013
76	Mr. Giridhar Chaware	PRA Technique	6/8/2013
77	Ms. Asra Mirza	Presentation skill	18/10/2013
78	Prof Bramhane B. T.	Purpose and importance of A/V aids for teaching	15/10/2013
79	Dr. M R Gaikwad	Carrier opportunities in resource management	9/12/2013
80	Dr. P. S. Bodkhe	Use of flame photometer	6/2/2014
81	Ms. Rashmi Gumble	Operation in Microsoft access	8/2/2014
82	Ms. Asra Mirza	Effective communication skills	19/3/2014
83	Mr. K. G. Deshmukh	Matoshri Vimalabai Deshmukh	1/10/2014
84	Ms. Asra Mirza	Goal setting & career guidance	23/8/2014
85	Dr. V. V. Deshmukh	Spiritual education and science	7/2/2015
86	Mrs. S. L. Bhutada	Chemistry of carbohydrates, glycolysis, Krebs cycle	9/2/2015
87	Ms. Asra Mirza	Remembering Techniques	9/2/2015
88	Ms. Asra Mirza	Confidence Building and Interview Techniques	11/2/2015
89	Mrs. S. L. Bhutada	Carbohydrates, Glycolysis, Energetics of glycolysis	13/2/2015
90	Dr. Mohammed Viquaruddin	Patriotism and government policies prevailing in India for masses	14/2/2015
91	Mrs. S. L. Bhutada	Krebs cycle, Vitamin C estimation reagents and estimation process	20/2/2015

45. List the teaching methods adopted by the faculty for different programmes.

- Lecture
- Demonstration
- Group Discussion
- Panel Discussion
- Participatory Learning
- Brain Storming sessions
- Case Studies
- Seminars
- Assignments
- Computer Based Methods
- Multi Media
- Quiz
- Question Answers
- Exhibition
- Shows
- Diagnostic Camps
- Team Teaching
- Problem Solving
- Discussion decision methods
- Visits

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

➤ The objectives of the masters programme is to develop the Competency of the students and enhance research aptitude. The continuous assessment is prescribed in the syllabus. The internal assessment of theory and practical is done on the basis of class test, assignment and session end examination for each subject and result of the student provide evidences to ensure whether programme objectives are met or not. Five class test, Assignments and session end examination is conducted for each subject and marks are considered to calculate the marks given for internal assessment of the student.

Department is organising the curricular activities as budding entrepreneur's mela, exhibition on various communication tools and approaches, household technology show and seminars on the various topics. Students participation in these activities is evaluated for ensuring the extent of learning out comes of the programme.

47. Highlight the participation of students and faculty in extension activities.

➤ Department is regularly organizing the Dr. Motilal Rathi Workshop on Public Awareness about Public Health and National Environment Awareness Campaign since 2003. These activities are organized for community awareness on various topics related to hygiene, nutrition, environment protection etc. While planning, implementation and evaluation of these activities, faculty and students are actively involved. These exercises enhance learning experiences and give satisfaction of providing community services.

48. Give details of “beyond syllabus scholarly activities” of the department.

S. N.	Scientific Awareness drive	Activities
1	Breast Feeding Week 2010 Theme: Breastfeeding, Just 10 steps! – The Baby Friendly Way	Exhibition Guest Lecture of Dr. Pratibha Kale, PDMC, Amravati on 7/8/2010
	Breast Feeding Week 2011 Theme: Talk to me! Breastfeeding – A 3D Experience	Exhibition Guest Lecture of Dr. Shweta Pagore, PDMC, Amravati on 3/8/2011
	Breast Feeding Week 2012 Theme: Taking Stock of Policies & Programmes	Exhibition Panel Discussion
	Breast Feeding Week 2013 Theme: Breastfeeding Support: Close to Mothers	Exhibition Group discussion on “Breastfeeding: Sharing Experiences”
	Breast Feeding Week 2014 Theme: Breastfeeding: A Winning Goal for Life	Exhibition Presentation by Ms. Maurya Hupare, Student of M.Sc. (FSN) Sem III on “Importance of Breast milk”
2	National Nutrition Week 1 – 7 September 2010 Theme: Nutrition Promotion for a Stronger Nation	Pigment days celebration Health and hemoglobin check up camp Miss Nutrition Competition Valedictory function
	National Nutrition Week 1 – 7 September 2011 Theme: On the Steps of nutrition lies the emancipation of next generation	Pigment days celebration Nutrition Awareness Program on “Use of Amylase Rich Powder in Weaning Foods” for women in Anganwadi of Naya Akola, Amravati Health and hemoglobin check up camp Diet Counselling Demonstration of Rainbow Meal and Nutritious Modak Miss Nutrition Competition Valedictory function Chief Guest: Dr. Mona Chimote
	National Nutrition Week 1 – 7 September 2012 Theme: Nutritional Awareness – A key to Healthy Nation	Pigment days celebration Health and hemoglobin check up camp Diet Counselling Mr. Nutrition Competition Miss Nutrition Competition Valedictory function
	National Nutrition Week	Pigment days celebration

	<p>1 – 7 September 2013</p> <p>Theme: Food Security for Healthy Life</p>	<p>Health and hemoglobin check up camp</p> <p>Diet Counselling</p> <p>Diet Exhibition at SDF English Primary School</p> <p>Consumer Awareness Programme on “Food Adulteration”</p> <p>Plantation/Sowing of seeds of nutritional plants</p> <p>Mr. Nutrition Competition</p> <p>Miss Nutrition Competition</p> <p>Valedictory function</p> <p>Chief Guest: Mrs Madhuri Chendke</p>
	<p>National Nutrition Week</p> <p>1 – 7 September 2014</p> <p>Theme: Poshak Aahar, Desh ka Aadhar</p>	<p>Pigment days celebration</p> <p>Health &amp; hemoglobin check up camp</p> <p>Diet Counselling</p> <p>Display of Innovative Modak</p> <p>Practical- Milk Shake Bar</p> <p>Consumer Awareness Programme on “Food Labelling”</p> <p>Mr. Nutrition Competition</p> <p>Miss Nutrition Competition</p> <p>Val. Fun. Guest: Dr. Mrs. Rekha Lande</p>

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. :

No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Basic :

- Analyzed less used vegetables for micro macronutrients and antinutrients.
- Separated protein from oyster mushroom and developed multipurpose protein powders.
- Developed antioxidant rich, high fiber, diabetic flour premixes, mushroom products, etc.
- Standardized educational material on home gardening technology, use of oil and fats, good nutritional practices, etc.
- Documentation of cultural practices of banjara, marriage rituals of telgu shimpi community, sacred plants and therapeutic uses of less familiar vegetables, wild vegetables and fruits, etc. Was done.

Applied:

- Created awareness about less familiar vegetables, weaning foods, hazards of polythene, personal hygiene, sanitation and cooking fuel, etc.

- Studied feasibility of Zero-Energy Cool Chamber
- Conducted Ergonomical studies of household activities

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

**Strengths:**

1. Community need based extension programmes,
2. Well equipped class rooms and laboratories with internet and campus facilities,
3. Competent faculty with research expertise,
4. Support of stake holders like parents, alumni and employers and,
5. Department has Diet Counselling Centre, Centre of Social Health and Public Hygiene

**Weaknesses:**

1. Apathical approach of students towards this course,
2. Lack of communication and presentation skills among students,
3. Inadequate regular faculty and supporting staff,
4. Lack of self motivation in majority of the students.

**Opportunities:**

1. Design strategies for over all development of slow learners,
2. Create awareness and bring feasible behavioural change of weaker sections through extension activities
3. Avail schemes of funding agencies for resource generation
4. Plan and execute consultancy services in need based areas
5. Use strong support of university administration for development of department

**Challenges:**

1. Increase in enrolment in the department,
2. Cope up with fast changing academic environment,
3. Necessary increase in employability

52. **Future plans** of the department:

Teaching

- Contribute in revising UG and PG curriculum according to UGC guidelines
- Prepare practical manuals & teaching materials for effective teaching-learning process

Research

- Conduct comprehensive basic and applied research on less used vegetables and fruits of Amravati region
- Submitting research project proposals for getting financial support
- Organise Workshop/ Seminar/ Conference on development of Information Education Communication Materials and on other thrust areas

Extension

- Adopt a village/ slum area for conducting sessionals, extracurricular and extension activities
- Transfer research outcomes of less used Vegetables and fruits for nutrition and economic improvement
- Plan and execute popular talks, workshops extension activities under Teaching Research Development and Extension Activities
- Design and implement Dr. Motilal Rathi Workshops and Environment Awareness programmes of Government of India

Linkages

- Develop linkages with Industries, Non Governmental and Research Organizations

Student Support

- Develop and implement strategies for upliftment of academically and economically weak students through alumni and teachers assistance

Other

- Design self financing proposal for starting Masters Programme in Human Development and Fashion Technology



## Evaluative Report of the Department

1. Name of the Department : **Applied Electronics**
2. Year of establishment : 1983
3. Is the Department part of a School/Faculty of the university?  
NA
4. Names of programmes offered : PG  
(UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., Diploma, P.G. Diploma, Certificate Courses, Advance Diploma etc.):

Level of the Programme	Name of the Programme	Duration	Intake capacity	Faculty
PG	M.Sc.(Applied Electronics)	2 years	30	Engineering and Technology
Ph.D.	Electronics Engineering	6 years	24	Engineering and Technology

5. Interdisciplinary programmes and departments involved  
Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc.  
Nil
7. Details of programmes discontinued, if any, with reasons  
Nil
8. Examination System:
  - Semester Pattern
  - Choice Based Credit System
9. Participation of the department in the courses offered by other departments  
Yes. As per CBCS.
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/Others (specify)):

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	01	01	01
Associate Professor	02	-	01
Assistant Professor	04	04	03
Other (Specify)	--	--	--

11. **Faculty profile** with name, qualification, designation, area of specialization, experience and research under guidance:

S. N.	Name	Qualification	Designation	Gender (M/F)	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 yrs
1	Dr. S.V.Dudul	B.E. M.E. Ph.D	Professor & Head	M	Artificial Intelligence Machine Intelligence, Intelligent Sensors, Advanced signal Processing, Soft Computing, Advance Image Processing, Pattern Recognition, VLSI, Reconfigurable adaptive systems, Embedded Systems, Data Mining, Computer vision, Statistical machine learning, Security	29	16
2	Dr. Mrs R D RAUT	PhD Electronics	Associate Prof	F	Wireless Communication, Embedded Systems, Soft computing, Medical Electronics	28	06
3	K.D.Chinchhede	B.E., M.E.	Assistant Professor	M	M/C Intelligence, Embedded Systems, DSP, Speech Processing, Neural Network, Biomedical Signal Processing, Financial marketing, Risk Analysis , Time Series Analysis, etc .	20	Nil
4	Dr. Mrs. S. N.Kale	M.Sc. M.E. Ph.D	Assistant Professor	F	Neural Network, Machine Intelligence, Pattern recognition, digital image processing, VLSI	14	05
5	D.R. Solanke	M.Sc.	Assistant Professor	M	Embedded System Design	12	Nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:  
Nil

13. Percentage of classes taken by temporary faculty- programme wise information:

S. N.	Year	No. of CHB	% of classes taken
1	2014-15	05	35.99
2	2013-14	05	35.99
3	2012-13	05	35.99
4	2011-12	05	35.99
5	2010-11	04	33.33

14. Programme-wise Student Teacher Ratio (*include only permanent staff*) :

S. N.	Year	Student Teacher Ratio
1	2014-15	10.6 : 1
2	2013-14	9.8 : 1
3	2012-13	10 : 1
4	2011-12	9.2 : 1
5	2010-11	9.8 : 1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

S. N.	Name of the Post	No. of Sanctioned Posts	No. of Filled Posts	No. of Vacant Posts
1	Laboratory Technician	01	01	--
2.	Laboratory Attendant	02	02	--

16. Research thrust areas as recognized by major funding agencies:

- Image Processing
- AI in Pattern Recognition, Prediction and Regression
- Machine Intelligence: A Soft- Computing Approach
- Advance digital signal processing and Embedded System
- Pattern Recognition, Analysis and Machine Intelligence
- Computational Intelligence
- Bio-medical Signal Processing
- Intelligent/Smart Sensors
- Learning Systems

17. **Number of faculty with ongoing projects** from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Nil

18. Inter-institutional collaborative projects and associated grants sanctioned:  
Nil
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants sanctioned:  
Nil
20. Research facility / centre :  
Details of Facilities and Major Equipments for Research (more than 1 Lac) available in the Department:

Our laboratories are well equipped with instruments like oscilloscopes, storage oscilloscope, In-circuit emulators for microprocessor based product design, PCB design software, LABVIEW simulator, Xilinx's ISE simulation software, Mentor graphics simulator, VLSI S/W, Microwave test benches, Optical fibre trainer kits, MATLAB software with Tool boxes, microcontroller kits, microprocessor kits, robot with software, EPROM programmer, IC tester, function generators, etc.

Apart from the University library, the department has its own departmental library consisting of 504 books. Besides traditional resources, our University library is also equipped with INTERNET facilities and E- journals, E-magazines and E-books. Our faculty members take interest in providing students good library facilities and encouraging them for research work. Audio-visual facilities are also extended to the students if required.

Our university has subscribed for IEEE online publications, which is very beneficial for our students as well as teachers. In addition, print copies of the research journals like IEEE transactions on Neural Networks, Fuzzy logic, Signal Processing, Computers are available in central library, which are used by the faculty members of the department as well as the researchers.

Major Equipments available in the Department:

AFG 3022B 25 MHZ Dual Channel, Tektronix Programmable Arbitrary Function Generator
VLSI Design Hardware & Software
Xilinx Software
Labview Research License Software
DSP Development Board
Microwave Test Bench
eBeam Equipment
Tektronix Make 2 Channel Digital Storage Oscilloscope
Triple Power Supply
0-30V/2 Amp Variable 5V Fixed Multi Channel
Language Lab. Software
MATLAB Software with Toolboxes

21. Special research laboratories sponsored by / created by industry or corporate bodies  
Nil

22. Details of Publications:

22.1 **Research Articles/Publication:**

S. N.	Name of Authors	Title of Paper	Name of the Journal and Vol. No., Year, Page No.	Status National/ International	ISSN/ ISBN No of Journal	Impact Factor	h- Index	Citation Index	Listed in International Database
1	Dandare S. N. and Dudul S. V.	Multiple Fault Detection in an Automobile Engine Using Single Sensor System	International Journal of Computer Science and Mobile Computing, Vol.3 Issue.5, May- 2014, pp. 635-647	International	ISSN 2320-088X	2.417	7.0 (SCOPUS) 11.0 (Google Scholar)		Google Scholar
2	Dandare S. N. and Dudul S. V.	Multiple Fault Detection in a Four Stroke Engine Using Single Sensor System	International Journal of Computer Science and Mobile Computing, Vol.3 Issue.5, May- 2014, pp. 648-658	International	ISSN 2320-088X	2.417	7.0 (SCOPUS) 11.0 (Google Scholar)		Google Scholar
3	Dandare S. N. and Dudul S. V.	Classification of Multiple Fault in an Automobile Engine Using Statistical and ANN Based Classifiers	International Journal of Computer Science and Mobile Computing, Vol.3 Issue.5, May- 2014, pp. 659-668	International	ISSN 2320-088X	2.417	7.0 (SCOPUS) 11.0 (Google Scholar)		Google Scholar
4	Raut R. D.& Borkhade G.	Support Vector Machine Neural Network based Optimal Binary Classifier for Diabetic Retinopathy	International Journal of Innovative Research in Computer and Communication Engineering, Vol. 3, Issue 1, Jan 2015, pp.136-140	International	ISSN (Print): 2320-9798	4.447			Scopus, Proquest, Index Int Copernicus
5	Raut R. D.& Nandekar B.	Performance evaluation of modern sophisticated parking management	International Journal of Innovative Research in Computer and Communication	International	ISSN (Print): 2320-9798	3.5			DOAJ, Getcited, Scopus, Proquest, Scirus

		system with space modelling	Engineering Vol. 2, Issue 11, November 2014, pp.6535-6542						
6	Raut R. D.& Vineet Goyal	Design and development of bus failure detection model in intelligent public transport system	Journal of the Instrument Society of India. Sept. 14, vol. 44, No. (03), , pp. 164-165	National	ISSN: 0970-9983				Oldest reputed, peer reviewed
7	Raut R. D.& Sanjeev Srivastava	Enhancement of channel capacity performance in MIMO technology using spatial multiplexing	International Journal of Research and Industrial Application (IJERIA), Volume 7, Issue III, August 2014, pp. 1-12	International	ISSN 0974-1518,	0.435			EBSEC O(USA), ISI, CAS(USA)
8	Raut R. D. & Borkhade G	Decision Support System for Eye Diseases using Neural Network Approach: A Review	International Journal of Recent Trends in Engineering and Technology, vol. 11, June 2014, pp.365-370	International	ISSN 2158-5563				EBSEC O(USA), ACEEE (USA)
9	Raut R. D.& Sanjeev Srivastava	Enhancement Of CSI Performance Using Diversity Techniques	International Journal of Electrical and Electronics Engineering, PP 57-61, March 2014,	International	eISSN: 2278-1676, p-ISSN: 2320-3331	1.452			ArXIV database, American National Engg Database, Crossref, NASA
10	Raut R. D.& Raut A. D.	Optimal Classification of Soybean Crop Diseases using Neural Network Approach	International Journal of Electrical and Electronics Engineering, PP 37-40, March 2014,	International	eISSN: 2278-1676, p-ISSN: 2320-3331	1.452			ArXIV database, American national engg database, crossref, NASA
11	Raut R. D.& Kulkarni S.	Finger Vein Recognition	International Journal of Electrical and Electronics Engineering, PP 32-36, March 2014,	International	eISSN: 2278-1676, p-ISSN: 2320-3331	1.452			ArXIV database, American national engg database

									e, crossref, NASA
12	Raut R. D. & Vineet Goyal	Forecasting of Vehicle Travel Time Prediction For Jaipur-Delhi Route Using FTLR Neural Network Model With Gamma Memory	International Journal of Electrical and Electronics Engineering, PP 27-31, March 2014,	International	eISSN: 2278-1676, p-ISSN: 2320-3331	1.452			ArXIV database, American national engg database, crossref, NASA
13	Raut R. D. & Bhande S	Intelligent Decision Support System for Parkinson Diseases using Soft Computing	International Journal of Electrical and Electronics Engineering, PP 17-22, March 2014,	International	eISSN: 2278-1676, p-ISSN: 2320-3331	1.452			ArXIV database, American national engg database, crossref, NASA
14	D.R.Solanke <sup>1</sup> K.D. Chinchkhede Dr. A.B.Manwar	“Development of Low Cost Integrated Discrete Controller for Winter Garden Ambiance Control”	International Journal of Informative & Futuristic Research, Volume 2, Issue3, November 2014, pp.no. 618-624	International	ISSN: 2347-1697	3.059			
15	P. A. Saudagar D. S. Dhote, D. R. Solanke	“An Expert Controller for Greenhouse Climate Control”	SPEED Journal of Research in Electronics, Volume: 1 Issue: 1, June 2014	national					
16	Dandare S. N. and Dudul S. V.	“Multiple Fault Detection in typical Automobile Engines: a Soft Computing Approach”	International Journal, WSEAS TRANSACTIONS ON SIGNAL PROCESSING, Issue 3, Volume 9, July 2013, pages 158-166,	International	Print ISSN: 1790-5052, E-ISSN: 2224-3488	0.554	7.0 (SCOPUS) 11.0 (Google Scholar)		SCOPUS
17	Nizar Ali Charaniya, Sanjay V. Dudul	ADAPTIVE AND REGRESSIVE MODEL FOR RAINFALL PREDICTION	International Journal of Advanced Research in Engineering and Technology (IJARET), Volume 4, Issue 7, November - December 2013,	International	ISSN 0976 - 6480 (Print), ISSN 0976 - 6499	5.8376	7.0 (SCOPUS) 11.0 (Google Scholar)		Google Scholar

			pp. 183-191		(Online)				
18	Dandare S. N. and Dudul S. V.	Detection & Isolation of Automobile Engines' Faults Using State-of-the-Art Signal Processing Techniques	International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE), Volume 3, Issue 6, June 2013, pages 390-396	International	ISSN: 2277-128X	2.5	7.0 (SCOPUS) 11.0 (Google Scholar)		
19	Dandare S. N. and Dudul S. V.	Model Based Approach for Fault Detection and Isolation in a Four Stroke Engine Using an Acoustic Signal	International Journal of Current Engineering and Technology, Vol.3, No.4 (October 2013), pages 1342-1347	International	ISSN: 2277 – 4106	2.05	7.0 (SCOPUS) 11.0 (Google Scholar)		
20	Raut R. D. & Nandekar B	Improved Car Parking With Space Modelling	International Journal of Electrical and Electronics Engineering, PP 67-71, January 2014,	International	eISSN: 2278-1676, p-ISSN: 2320-3331	1.452			ArXIV database, American national engg database, crossref, NASA
21	Raut R. D. & Sanjeev Srivastava	On Enhancing the Performance of Capacity of Ad Hoc Wireless Networks using Directional Antennas	International Journal of Mobile And Adhoc Network, Volume 03, Issue 04, Nov 2013, pp. 233-238	International	eISSN: 2231-6825, p-ISSN: 2249-202X	3.56			Google Scholar, ProQuest
22	Raut R. D. & Bhande S	Parkinson Diagnosis using Neural Network: A Survey	International Journal of Innovative Research in Science, Engineering & Technology, Volume 02, Issue 09, September 2013, pp. 4843-4846	International	ISSN: 2319-8753	1.538			Google Scholar
23	Raut R. D. & Vineet Goyal	Route diversion detection system for	International Journal of Emerging Trends & Technology in	International	ISSN 2278-6856,	2.524			Google Scholar, ISI, UK, Cite



		public bus transport using WSN	Computer Science, Vol. 2, Issue 3, May-June 2013, pp 1-11						seer
24	Raut R. D.& Vineet Goyal	Selection Criteria of WSN for IPTS Planning and Deployment in Developing Countries	International Journal of Engg. Research & Industrial Applications, Vol. 6, No. II, May 2013, pp 1-11,	International	ISSN 0974-1518	0.3125			Google Scholar, CAS, EBSCO, ISI,
25	Raut R. D.& Raut A. D	Intelligent public transport prediction system using wireless sensor network	International Journal of Computer Science and Application, Vol. 6, No.2, April 2013, pp. 197-201	International	ISSN : 0974-1011	0.35			Google Scholar
26	Raut R. D.& Sanjeev Srivastava	Study and Analysis of the Capacity of Ad-hoc Wireless Network using Mobility and Delay	International Journal of Computer Science and Applications, Vol. 6, No.2, April 2013, pp. 258-262	International	ISSN : 0974-1011	0.35			Google Scholar, Cite seer
27	Raut R. D.& Mendre W	Neural Network based Decision Support System for the Diagnosis of Thyroid Diseases	International Journal of Computer Science and Application Vol. 6, No.2, April 2013, pp. 102-106 Google Scholar	International	ISSN: 0974-1011	0.35			Google Scholar
28	Raut R. D.& Kulkarni S	Authentication using correlated biometrics traits,	International Journal of Computer Science and Application Vol. 6, No.2, April 2013, pp. 113-116	International	ISSN : 0974-1011	0.35	7		Google Scholar
29	Mrs. S. N. Kale & Dr. S.V. Dudul	Comparison of performance of ANN to classify the type of Erythematous-Squamous Disease	International Journal of Computer Science and Applications (IJCSA)	International	ISSN: 0974-1011		7	1	Google Scholar
30	P. A. Kharat and S. V. Dudul	Daubechies Wavelet Neural Network Classifier for the Diagnosis	WSEAS Transactions on Biology and Biomedicine, vol. 9 (4), pp. 103-113, 2012	International	ISSN: 1109-9518		6.0 SCOPUS		SCOPUS

		of Epilepsy”							
31	N. A. Charaniya and S. V. Dudul	Time Lag recurrent Neural Network model for Rainfall prediction using El Niño indices	International Journal of Scientific and Research Publications, Volume 3, Issue 1, January 2013, pp. 1-5.	International	ISSN 2250-3153, (ISBN: 973-93-80872-33-2)		6.0 SCOPUS		
32	Dandare S. N. and Dudul S. V.	Novel technique for multiple fault detection in an Automobile Engine Using Sound Signal	International Journal of Advanced Research in Computer Science and Electronics Engineering (IJARCSEE), Vol . 1, Issue 6, August 2012, pages 122-129.	International	ISSN: 277-9043		6.0 SCOPUS	1	
33	P. A. Kharat and S. V. Dudul	Epilepsy diagnosis based on generalized feed forward neural network	Interdisciplinary Sciences-Computational Life Science, Springer, September 2012, Volume 4, Issue 3, pp 209-214	International	ISSN: 1913-2751, (DOI - 10.1007/s12539-012-0129-6)		6.0 SCOPUS		Google Scholar
34	Dandare S. N. and Dudul S. V.	Artificial Neural Network Based Fault Detection in a Four Stroke Engine Using Acoustic Signal	International Journal of Electronic Communication and Computer Engineering, Volume 3, Issue 5, pages 992-996, Sept-2012	International	ISSN (Online): 2249-071X, ISSN (Print): 2278-4209	1.1094	6.0 SCOPUS		
35	N. A. Charaniya and S. V. Dudul	Design of Neural Network Models for Daily Rainfall Prediction	Journal of Computer Application (Volume 61–No.14, January 2013 , pp. 23-27.	International	ISSN: 0975 – 8887		6.0 SCOPUS		
36	Dandare S. N. and Dudul S. V.	Statistical and Artificial Neural Network Based Analysis of Faults in an Automobile	International Journal of Engineering and Innovative Technology (IJEIT) Volume 2, Issue February 2013, pages 65-	International	, ISSN: 2277-3754 ISO 9001: 2008 Certif		6.0 SCOPUS		

		Engine	71		ied				
37	Raut R. D.& Vineet Goyal	Route diversion detection system for public bus transport using WSN	International Journal of Emerging Trends & Technology in Computer Science, Vol. 2, Issue 3, May-June 2013, pp 1-11	Internati onal	ISSN 2278-6856,	2.524			Google Scholar, ISI, UK, Cite seer
38	Raut R. D.& Vineet Goyal	Selection Criteria of WSN for IPTS Planning and Deployment in Developing Countries	International Journal of Engg. Research & Industrial Applications, Vol. 6, No. II, May 2013, pp 1-11,	Internati onal	ISSN 0974-1518	0.3125			Google Scholar, CAS, EBSEC O, ISI,
39	Raut R. D.& Raut A. D	Intelligent public transport prediction system using wireless sensor network	International Journal of Computer Science and Application, Vol. 6, No.2, April 2013, pp. 197-201	Internati onal	ISSN : 0974-1011	0.35			Google Scholar
40	Raut R. D.& Sanjeev Srivastava	Study and Analysis of the Capacity of Ad-hoc Wireless Network using Mobility and Delay	International Journal of Computer Science and Applications, Vol. 6, No.2, April 2013, pp. 258-262	Internati onal	ISSN : 0974-1011	0.35			Google Scholar, Cite seer
41	Raut R. D.& Mendre W	Neural Network based Decision Support System for the Diagnosis of Thyroid Diseases	International Journal of Computer Science and Application Vol. 6, No.2, April 2013, pp. 102-106 Google Scholar	Internati onal	ISSN: 0974-1011	0.35			Google Scholar
42	Raut R. D.& Kulkarni S	Authentication using correlated biometrics traits	International Journal of Computer Science and Application Vol. 6, No.2, April 2013, pp. 113-116	Internati onal	ISSN : 0974-1011	0.35			Google Scholar
43	Raut R. D.& Vineet Goyal	Low Cost Communicatio n Link for Intelligent Public Transport System with	International Jour nal of Communication and Networking System, Volume01, Issue 01, January-June	Internati onal	ISSN: 2278-2427				CROSS ref, comput er science director y,

		Dynamic Protocol	2012, pp. 57-63,						scribd
44	Raut R. D.& Vineet Goyal	Design and Implementation of Adaptive Public Transport System with Low Cost Wireless Link and Specialized Protocol	International Journal of Computer Science and Communication, Vol. 3, No.1, January-June 2012 pp. 121-124	International	ISSN: 0973-7391	1.4			Google Scholar, Cite Seer, ISI Thomson
45	P. A. Saudagar D. S. Dhote D. R. Solanke	"Micro controller based Intelligent Temperature Controller for Greenhouse "	International Journal of Engineering and Science, Vol. 1, Issue 11, December 2012, pp.no. 40-44	International	ISBN : 2319-6483, ISSN: 2278-4721				
46	Ghate V. N. and Dudul S. V.	Cascade Neural-Network-Based Fault Classifier for Three -Phase Induction Motor	IEEE Transactions on Industrial Electronics, Vol. 58, No. 5, May 2011, pp. 1555-1563.	International	ISSN: 0278-0046	6.5 in 2012	6.0 SCOPUS	56	SCOPUS, Thomson Reuter Journal Citation Report
47	Sanjay Kelo and Sanjay Dudul	A wavelet Elman neural network for short-term electrical load prediction under the influence of temperature	Elsevier International Journal of Electrical Power and Energy Systems, SciVerse, Science Direct (Elsevier), Volume 43, 2012, pp. 1063-1071	International	ISSN: 0142-0615	3.432 in 2012 5-Year Impact Factor: 3.111	6.0 SCOPUS	12	SCOPUS, Thomson Reuter Journal Citation Report
48	Charniya N.N. and Dudul S.V.	Classification of material type and its surface properties using digital signal processing techniques and neural networks	Elsevier (Science Direct) International Journal of Applied Soft Computing, 11(2011), pp. 1108-1116	International	ISSN No.: 1568-4946	2.679 in 2013 5-Year Impact Factor: 2.970	6.0 SCOPUS	3	SCOPUS, Thomson Reuter Journal Citation Report
49	Kelo S. M. and Dudul S. V.	Short-Term Maharashtra State Electrical Power Load Prediction with Special Emphasis on	Elsevier (Science Direct) International Journal (Science Direct) on Expert Systems With Applications	International	ISSN: 0957-4174	1.965 in 2013 5-Year Impact Factor:	6.0 SCOPUS	10	SCOPUS, Thomson Reuter Journal Citation Report

		Seasonal Changes Using a Novel Focused Time Lagged Recurrent Neural Network Based on Time Delay Neural Network Model	ESWA-D-09-01173, 38(2011), pp. 1554-1564.			2.254			
50	Charniya N. N. and Dudul S. V.	Intelligent Sensor System for Discrimination of Material Type using Neural Networks	Elsevier International Journal of Applied Soft Computing, January 2012, Volume 12, Issue 1, pp. 543-552	International	ISSN No.: 1568-4946	2.679 in 2013 5-Year Impact Factor: 2.970	6.0 SCOPUS	1	SCOPUS, Thomson Reuter Journal Citation Report
51	Kharat P. A. and Dudul S. V.	Effects of Input Dimensionality Reduction on the Performance of Epilepsy Diagnosis Based on Neural Network	International Journal of Machine Intelligence (Bioinfo Publication), Volume 3, Issue 5, 2011, pp-396-402	International	ISSN: 0975-2927 & E-ISSN: 0975-9166.	7.09 in 2012 Index Copernicus Value	6.0 SCOPUS		Peer reviewed
52	Dandare S. N. and Dudul S. V.	Support Vector Machine Based Multiple Fault Detection in an Automobile Engine Using Sound Signal	Journal of Electronic and Electrical Engineering, Volume 3, Issue 1, 2012, pages 59-63	International	ISSN: 0976-8106 & E-ISSN: 0976-8114	6.84 in 2012 Index Copernicus Value	6.0 SCOPUS	7	Google Scholar
53	Raut R. D.	Low Leakage Current CMOS SRAM	National Journal of Instrument society of India, Vol. 41, Issue (3), September 2011 pp. 152-154	National	ISSN: 0970-9983	0.523			Peer reviewed
54	Raut R. D.	Leakage power Minimization in Deep Submicron	National Journal Of SCI TECH Research, Vol. 2, Issue (2), July 2011 pp. 12-17	National	ISSN: 0974-9780				Peer reviewed
55	Raut R. D.	Improved write margin for 90 NM SOI 7T SRAM	International Journal of Machine Intelligence and Applications, Vol. 2, Issue (1), Jan-June 2011, ,	International	ISSN: 0976-6227				Peer reviewed

			pp. 5-10						
56	Raut R. D.	Leakage Current Minimization in Deep Submicron Conventional Single Cell SRAM, , pp. 1-4	International Journal of Machine Intelligence and Applications, Vol. 2, Issue (1), Jan-June 2011,	International	ISSN: 0976-6227				Peer reviewed
57	Raut R. D., Akashe S. & Sharma S	A Low Voltage and Process Variation Tolerant SRAM Cell in 45-Nm CMOS	International Journal of VLSI Design, Vol. 2, Issue (1), Jan-June 2011, Pp. 91-96	International	ISSN: 2229-3167,	0.4			Peer reviewed
58	Mrs. S. N. Kale& S.V. Dudul	Determination of the type of Erythomato-Squamous Disease using Intelligent Classifier,	International Journal of Global Technology Initiatives F6-F13	International	ISSN 2277-6591				Peer reviewed
59	Mrs. S. N. Kale& S.V. Dudul	Nonlinear regression of the transfer characteristics of electronic devices: A Neurocomputing Approach	International Journal of Computer Applications (IJCA)	International	ISSN 0975-8887	0.82			
60	Mrs. S. N. Kale&S.V. Dudul	Intelligent classifier to determine the type of Erythemato-Squamous Disease. pp. 53-58	International Journal of Artificial Intelligence & Computational Research (IJAI CR), 4(1), 2012,	International	ISSN: 0975-3974				peer-reviewed
61	Mrs. S. N. Kale&S.V. Dudul	Classification of satellite images using ANN	International journal of Machine Intelligence pp.414-420	International	ISSN :0975 - 2927	Document h index: 6.0 SCOPUS			Google Scholar
62	K.D. Chinchkhede G. S. Yadav S.R Hirekhan D.R Solanke	“On the Implementation of FIR Filter with Various Windows for Enhancement of ECG signal”	International Journal of Engineering Science and Technology, Vol. 3 No. 3 March 2011,pp.no. 2031	International	ISSN : 0975-5462				
63	G.S. Yadav K.D.Chinchk	“Study of R-Peak	International Journal of	International	EISSN				

	hede S.R.Hirekhan D.R.Solanke	Recognition For Heart Rate Variability”	Advanced Engineering Technology, Vol.II,Issue II, April 2011,pp.no. 345- 351		0976- 3945				
64	Charniya N. N. and Dudul S. V.	A Simple Low Cost System for thickness measurement of metallic plates using Laser mouse navigation sensor	IEEE Transactions on Instrumentation and Measurement, Vol. 59, No. 10, October 2010, pp. 2700-2705.	Internati onal	ISSN: 0018- 9456	1.710 in 2012	6.0 SCOP US	2	SCOPUS, Thomson Reuter Journal Citation Report
65	Ghate V. N. and Dudul S. V.	Optimal MLP Neural Network Classifier for Fault Detection of Three Phase Induction Motor	Elsevier (Science Direct) International Journal of Expert Systems with Applications,37 (2010), pp. 3468- 3481	Internati onal	ISSN: 0957- 4174	1.965 in 2013 5-Year Impact Factor: 2.254	6.0 SCOP US	40	SCOPUS, Thomson Reuter Journal Citation Report
66	V.N. Ghate and S.V. Dudul	Design of optimal MLP and RBF neural network classifier for fault diagnosis of three phase induction motor	International Journal of Advanced Mechatronic Systems, Vol. 2, No. 3, 2010 pp.204-216	Internati onal	ISSN (Online): 1756- 8420 - ISSN (Print) : 1756- 8412	1.47	6.0 SCOP US	3	Google Scholar
67	S. N. Dandare and S. V. Dudul	Consistency Analysis of MLP & SVM for Air Filter Fault Detection in an Automobile Engine using Sound Signal	International Journal of Computer Information Systems, Vol. 2, No. 3, March 2011, pp. 64-69.	Internati onal	ISSN: 2229- 5208		6.0 SCOP US	5	Google Scholar
68	Naikwad S. N. and Dudul S. V.	Novel FTLR Neural Network Model with Gamma memory filter for identification of a typical magnetic stirrer	Indian Journal of Science and Technology (IJSST),Vol. 3, No. 4 (April 2010), pp. 393- 397.	National	ISSN: 0974- 6846		6.0 SCOP US		
69	Raut R. D. & Dudul S. V.	Intelligent Diagnosis of Heart Diseases using Neural	International Journal of Computer applications,	Internati onal	ISSN 0975- 8887				EBSCO (USA), proquest

		Network Approach,	(IJCA), February-March 2010, vol.1, issue 2, pp. 97-102,						t, CSA, NASA, OAlster data base
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## 22.2 Books Written/ Edited:

Nil

## 22.3 Monographs/ Chapters in Book/s Written/Edited:

Nil

## 22.4 Publications in Conference/Seminar Proceedings:

S. N.	Name of Authors	Title of Paper	Name of the Conference/ Seminar/ Workshop	Status National/ International	ISSN/IS BN No (if any)	Name of Organizing Agency	Duration and Date	Volume and Page No. of Proceeding
1	Dhawale V. R., Tidke J. A. And Dudul S. V.	Development of efficient algorithm for classification of pollen grains using computational intelligence approach	Indian Science Congress, Science and Technology for Human Development University of Mumbai	National		Indian Science Congress	3-7 January, 2015	Proc of 102 Indian Science Congress, section of Information & Communication Science & Technology (including Computer Science) 93-94
2	Raut R. D.& Badone Preeti	A Novel approach for content based image retrieval based on optimized feature vector. Proceeding	IETE Icon RFW-2014,	International		HKBK College of Engg., Bangalore	08-10 may 2014.	
3	Raut R. D.& Badone Preeti	Efficient image retrieval with feature extraction based on multi image query	<sup>2nd</sup> International Conference on advances in computing, communication &	International		Mauritius	23-29 May 2014	pg no



			Intelligence,					
4	Prathamesh Phadake and Mrs. S. N. Kale	Comparison and Analysis of Various Speech Enhancement Techniques	7 <sup>th</sup> IETE International Conference RFW-2014,	International		HKBK College of Engg, Bangalore	8-10 May 2014,	
	Prathamesh Phadake and Mrs. S. N. Kale	Modified Approach for Speech Enhancement Techniques	2nd International Conference at Conference Hall, Calodyne Sur Mer Hotel, Mauritius	International			23rd to 29th May 2014.	
5	Ms. M. M. Punase and Mrs. S. N. Kale	Distributed Face Tracking and Recognition in Camera Networks	2nd International Conference at Conference Hall, Calodyne Sur Mer Hotel, Mauritius	International			23rd to 29th May 2014	
6	Mrs. Swati Bhisikar & Mrs. S. N. Kale	Boundary detection of Hand images using edge based approach	NCETACT-15 Conference	National			9th, 10th Jan. 2015	Pg 83-86
7	Dhawale V. R., Tidke J. A. and Dudul S. V.	Neural Network based Classification of Pollen Grains	International Conference on Advances in Computing, Communications and Informatics, (ICACCI), 2013	International	ISBN: 978-1-4799-2432-5, NSPEC Accession Number : 13861269, DOI: 10.1109/ICACCI.2013.6637150, Publisher:	IEEE	(22-25 August 2013, Mysore),	pp. 79-84

					IEEE			
8	Raut R. D.	Characterizing the capacity of wireless Ad hoc networks	Third International Conference on Advanced computing & Communication Technology	International		IEEE	12-13 April 2013	pg no 272-275
9	Raut R. D. & Sanjeev Srivastava	Study & Analysis of impact of Mobility on the performance of Ad-hoc Wireless networks	International Conference on Smart System	International	ISBN NO: 978-93-82163-88-6	Hyderabad	07-08 Oct 2013	pp.01-05
10	Raut R. D. & Mendre W	Intelligent diagnosis of Thyroid diseases using NN approach. Proceeding	International Conference on Smart System	International	ISBN NO: 978-93-82163-88-6	Hyderabad	07-08 Oct 2013	pg no 34-37
11	Raut R. D. & Raut A. D. &	Control model of Adaptive Headlight System. Proceeding	IETE Cynosure, International Conference on computer, Electrical and electronics Engg	International		BATU, Lonere	Dec 2013	pg no 01-04
12	Raut R. D. & Kulkarni S	Biometric Authentication using Kekre's Wavelet Transform	International Conference (IEEE) on Electronic system, signal processing and computing Technology	International			Jan 2014	Proceeding pg no 99-104
13	Dhawale V. R., Tidke J. A. and Dudul S. V.	Reliable Classification of Pollen SEM Images using Walsh-Hadamard	National Conference on Recent Initiative towards Green	National	ISBN: 978-81-922256-9-2	SPEED	8-9 February 2013	2013, pp. 267-278

		Transform based Features and Neural Network Approach	Electronics (NCRIGE), 2013					
14	Kharat P. A. and Dudul S. V.	Epilepsy Diagnosis Based on Generalized Feed Forward Neural Network”,	Conference on Computational and Systems Biology. (ICCSB 2012)	International	ISSN: 1913-2751 (print version), ISSN: 1867-1462 (e-version)	Springer	October 14-16, 2012. Shanghai, China,	Interdisciplinary Sciences: Computational Life Sciences, 2012 (4) pp. 1-6
15	Charaniya N. A. and Dudul S. V.	Focused Time Delay Neural Network Model for Rainfall Prediction Using Indian Ocean Dipole Index	Fourth International Conference on Computational Intelligence and Communication Networks (CICN) 2012, Mathura	International	Print ISBN: 978-1-4673-2981-1, INSPEC Accession No: 13171622, Digital Object Identifier: 10.1109/CICN.2012.116	IEEE	Mathura, 3-5 November 2012,	pp. 851-855
16	Dandare S. N. and Dudul S. V.	Artificial Neural Network Based Fault Detection in an Automobile Engine Using Sound Signal	ICECT 2012 – 2012 4 <sup>th</sup> International Conference on Electronics Computer Technology – ICECT 2012 at Kanyakumari,	International	ISBN: 978-1-4673-849-5	IEEE	6 – 8 April 2012.	pp. 479-483
17	Kale S. N. and Dudul S. V.	Nonlinear Regression of the transfer characteristics of electronic devices: a Neuro Computing	MPGI National Multi Conference 2012 (MPGINMC – 2012)	National	ISSN: 0975-8887		7-8 April, 2012	pp. 22-26

		Approach						
18	Raut R. D., Harne	Fusion based fingerprint Recognition	NCIGE	National	ISBN 978-81- 922256- 9-2	BB Sc College, Amravati	8 <sup>th</sup> -9 <sup>th</sup> Feb 2013	pg no 469- 472
19	Raut R. D.& Kadu G M	Liver Diseases Diagnosis using artificial intelligence system :A surve	NCIGE	National	ISBN 978-81- 922256- 9-2	BB Sc College, Amravati	8 <sup>th</sup> -9 <sup>th</sup> Feb 2013	pg no 484- 487
20	Mrs.Ujwala Belokar, Dr.S.A.Ladh ake, Mrs. S. N.Kale	2.45 GHz Gilbert Mixer using 45nm CMOS Technology	IEEE Business, Engineering & Industrial Applications Colloquium	Internati onal	978-1- 4673- 0426-9	IEEE Business, Engineerin g &Industrial Application s Colloquiu m(BEIAc)		pp.140-144
21	Mrs. S. N. Kale & S.V. Dudul	Satellite images Classification using MLP NN, pp 322	Recent Initiatives towards Green Electronics,	National	ISBN 978-81- 922256- 9-2	PRMIT &R, Badnera	8-9 Feb 2013	
22	Shri Gabhane,Mr s. S. N.Kale	Nonlinear Regression of characteristics of GUNN diode using MLPNN	National conference on Allied Trends of Engg. For Engineering of Technologic al aspects, Techno Manthan 2012	National		College of Engg. & Tech, Dhamanga on Rly.	2 <sup>nd</sup> March 2012	
23	D.R. Solanke, P.A. Saudagar, K.D.Chinch khede G.A. Raut	Using Reconfigurabl e Hardware Design For Automatic Irrigation Control	National conference on Recent Initiatives on Green Electronics,	National		ISSN 978- 81-922256- 9-2	8 <sup>th</sup> ,9 <sup>th</sup> Feb-2013,	Vol. I pp.no.343-
24	P. A. Saudagar D. S. Dhote D. R. Solanke	An Expert Controller For Greenhouse Climate Control	National conference on Recent Initiatives on Green Electronics,	National	ISSN 978-81- 922256- 9-2	PG DT Of Electronics, Brijlal Biyani Science Collage, Amravati.	8 <sup>th</sup> ,9 <sup>th</sup> Feb-2013,	Vol. I pp.no.343-

						SPEED. DST		
25	D R Solanke, P A Saudagar A B Manwar	“Design And Development Of Direct Digital Controller For GHCC”	National conference on Recent Initiatives on Green Electronics,	National	ISSN 978-81- 922256- 9-2	PG Deptt. Of Electronics, Brijlal Biyani Science Collage, Amravati. SPEED. DST	8 <sup>th</sup> ,9 <sup>th</sup> Feb-2013,	Vol. I pp.no.343-
26	S. D Pachpande A.B. Manware R. D. Bhoyar D. R. Solanke	“Green Computing: An Eco- Friendly Computing Approach By Optimized Use Of Electronic Resources”	National conference on Recent Initiatives on Green Electronics,	National	ISSN 978-81- 922256- 9-2	PG Deptt. Of Electronics, Brijlal Biyani Science Collage, Amravati. SPEED. DST	8 <sup>th</sup> ,9 <sup>th</sup> Feb-2013,	Vol. I pp.no.343-
27	P. A. Saudagar D. S. Dhote D. R. Solanke	“Extending Daylight Artificially Inside The Greenhouse”	National conference on Recent Initiatives on Green Electronics,	National	ISSN 978-81- 922256- 9-2	PG Deptt. Of Electronics, Brijlal Biyani Science Collage, Amravati. SPEED. DST	8 <sup>th</sup> ,9 <sup>th</sup> Feb-2013,	Vol. I pp.no.343-
28	Charaniya N. A. and Dudul S. V.	Committee of artificial neural networks for monthly rainfall prediction using wavelet transform	International Conference on Business, Engineering and Industrial Applications , (ICBEIA), Kuala Lumpur, Malaysia, 2011	Internati onal	Print ISBN: 978-1- 4577- 1279-1, INSPE C , pp. 125- 129, Accessi on No.: 121925 81, Digital Object Identifie r : 10.1109 /ICBEI A.2011.	IEEE	2011, 5-7 June 2011	pp. 125- 129

					5994225			
29	Charaniya N. A. and Dudul S. V.	Neural Network Based rainfall prediction using local meteorological parameters	International Conference on Computational Intelligence and Communication Networks 2011, Gwalior	International	ISBN: 13:978-0-7695-4587-5	IEEE	Gwalior, 7-9 October 2011	pp. 345-348
30	Kharat P. A. and Dudul S. V.	Clinical Decision Support System Based on Jordan/Elman Neural Networks	'Recent Advances in Intelligent Computational Systems' (RAICS-2011) Trivandrum, India	International	IEEE Catalog No. CFP113 7M-ART, ISBN No. 978-1-4244-9477-4,	IEEE	22-24 Sept. 2011	Pages 255-259
31	G.S. Yadav K.D.Chinchkhede S.R.Hirekhan D.R.Solanke	"Noise Removal of ECG Signal Using Fir Filter"	International Conference on Innovative Science & Engineering Technology	International	ISBN : 978-81-906377-5-6	V.V.P. Engineering College, Rajkot	April 2011	Vol.I pp.no.143

### 23. Details of **patents**:

S. N.	Year	Name(s) of the Faculty Member	Type of Patent (National/International)	Status (Filed/Awarded)
1	2014-15	S. V. Dudul and P. A. Kharat Intelligent Diagnosis of Epilepsy using a hybrid three level wavelet decomposition and neural network	National 609/MUM/2015	Filed
2	2011-12	S. V. Dudul and S. M. Kelo A Committee of Coif 3 wavelet Recurrent Neural Networks for One-day-ahead Electrical Power Load Demand Prediction	National 1133/MUM/2011 06/01/2012 Journal No.01/2012,	Filed, Published and now under examination

			Classification: H02J13/00, G05B13/02	
3	2010-11	N. N. Charniya and S. V. Dudul Laser Mouse Navigation Sensor System for Thickness Measurement	National, 1287/MUM/2010, 18/06/2010 Journal No. 25/2010, Classification: G01B11/06	Filed, Published and now under examination
4	2010-11	V. N. Ghate and Dudul S. V.  RBF-MLP Cascade Neural Network Classifier for Fault Detection of Three-Phase Induction Motor	National 124/MUM/2010 09/04/2010 Journal No. 15/2010 Classification: G05B23/02	Filed, Published and now under examination

24. Areas of consultancy and income generated:

Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:

Nil

26. Faculty serving on

a) National committees b) International committees c) Editorial Boards d) any other (please specify):

S. N.	Year	Name of the Faculty	National Committees/ International Committees/ Editorial Boards/ Any Other (specify)	Organization	Acted as Member / Chairman/ Secretary/Ot hers
1	2014-15	S.V.Dudul	Editorial board of International Journals	International Journal of Computer Applications in Engineering, Technology and Sciences ISSN: 0974-3596 ;  International Journal of Emerging Technologies and Applications in Engineering, Technology and Sciences ISSN: 0974-3588  International Journal of Computer Science and Applications ISSN 0974-1003	Member

2	2013-14	Dudul S. V.	Reviewer of International Journals	IEEE Transactions, Elsevier Science Direct Journals, WSEAS Transactions	As a reviewer
3	2012-13	Dudul S. V.	Reviewer of International Journals	IEEE Transactions, Elsevier Science Direct Journals, WSEAS Transactions	As a reviewer
4	2011-12	Dudul S. V.	Reviewer of International Journals	IEEE Transactions, Elsevier Science Direct Journals, WSEAS Transactions	As a reviewer
5	2010-11	Dudul S. V.	WSEAS working committee on computers	WSEAS (World Scientific and Engineering Academy and Society)	Member

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

➤ Faculties are motivated to attend Refresher/ Orientation/ Workshops/ Specialized Training Programmes/ Industrial Interaction to achieve excellence in teaching and research.

28. Student projects:

- Percentage of students who have done in-house projects including inter-departmental projects: 100 %
- Percentage of students doing projects in collaboration with other universities/ industry / institute:

Nil

29. Awards / Recognitions received at the National and International level by

- Faculty
- Doctoral / Post Doctoral Fellows
- Students

S. N.	Year	Name of the Faculty <sup>1</sup> /Doctoral <sup>2</sup> / post Doctoral Fellow <sup>3</sup> /Student <sup>4</sup>	Award / Recognition	Conferring Organization	Level (National/ International)
	2013-14	Dr. Mrs. R. D. Raut	Fellow	Institution of Engineers (India)	National
		Dr. Mrs. R. D. Raut	Member	Instruments Society of India	National
		Dr. Mrs. S. N. Kale	Fellow	Institution of Engineers (India)	National
	2010-11	Dr. S. V. Dudul	Fellow	Institution of Engineers (India)	National
		Dr. S. V. Dudul	Chartered Engineer	Institution of Engineers (India)	National
		Dr. S. V. Dudul	Fellow	Institution of	National



				Electronics and Telecommunications Engineers	
		Dr.S. V. Dudul	Member	Computer Society of India	National
		Dr. S. V. Dudul	Member	Instruments Society of India	National

30. Conferences/Seminars/Workshops organized by Department:  
Nil

31. Code of ethics for research followed by the departments :

- The outcome of the research has to benefit the society in increasing its comfort, progress and development without affecting or polluting the environment.
- Wherever possible, eco-friendly (environment-friendly) solutions are prescribed and developed further.

32. Student profile programme-wise:

Year	Admitted to First Year of the Course			Pass Percentage of Students	
	Boys	Girls	Total	Boys	Girls
2014-15	16	11	27	--	--
2013-14	7	23	30	28.57	21.79
2012-13	13	15	28	15.38	33.33
2011-12	11	12	23	27.27	58.33
2010-11	13	11	24	15.38	9.09

33. Diversity of students

Name of the Programme	Year	Percentage of students from the same university	Percentage of students from other universities within the State	Percentage of students from Universities outside the State	Percentage of students from other countries
M.Sc. (Applied Electronic)	2014-15	92.59	7.41	0	0
	2013-14	96.67	3.33	0	0
	2012-13	96.43	3.57	0	0
	2011-12	95.65	4.35	0	0
	2010-11	100	0	0	0

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

- Two students have cleared NET and SET examinations during 2012 to 2014:

S. N.	Name of Student	Examination qualified	Year
1	Parvez A. Saudagar	NET	June 2012

## 35. Student progression:

	Student progression	Percentage against enrolled
	UG to PG	NA
	PG to M.Phil.	Nil
	PG to Ph.D.	0.008%
	Ph.D. to Post-Doctoral	Nil
	Employed	
	Campus selection	Nil
	Other than campus recruitment	41%
	Entrepreneurs	0.008

## 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	80 %
from other universities within the State	20 %
from universities from other States from	Nil
universities outside the country	Nil

## 37. Number and Name of the faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

- Following two faculty members have been awarded Ph.D. in Electronics Engineering:
- Mrs. R.D.Raut (13<sup>th</sup> May 2010)
  - Mrs. S. N.Kale ((13<sup>th</sup> May 2010)

## 38. Present details of departmental infrastructural facilities with regard to :

- Library – 504 books
- Internet facilities for staff and students- Available in laboratories
- Total number of class rooms - 02
- Class rooms with ICT facility - 01
- Students' laboratories – 04
- Research laboratories- 01

## 39. List of doctoral, post-doctoral students and Research Associates :

- a) from the host institution/university:

S. N.	Name	Doctoral/post doctoral / Research Associate	Duration of Fellowship
	P .A. Saudagar	Doctoral	Maulana Abul Kalam Azad fellowship: 2/1/2012 to 2014 (Two Yrs.)

- b) from other institutions/universities:  
Nil
40. Number of post graduate students getting financial assistance from the university.  
Nil
41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. :  
No
42. Does the department obtain feedback from
- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?  
➤ Yes,  
The department obtains a feedback from the faculty on teaching-learning-evaluation. The issues raised by the faculty members are addressed at appropriate level for effective solution and satisfaction of the concerned faculty member.
  - Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?  
➤ Yes, the department strives to solve the issues/problems mentioned by the students in their feedback. Accordingly, the corrective steps are taken at appropriate level. For instance, in case of difficulties encountered in understanding of a particular subject, the concerned faculty member is instructed to improve upon the teaching methodology.
  - Alumni and employers on the programmes offered and how does the department utilize the feedback?  
➤ The Department has not formally obtained feedback from the employers. However, informal advice and suggestions given by the employers with a view to improvise a programme are considered seriously and implemented to the best of our ability.  
The Department obtains feedback from its alumni. This feedback is utilized to improvise and re-structure the programme, inclusion of new demanding subjects, omission of irrelevant and obsolete subjects, etc., so that employability of the students would increase.
43. List the **distinguished alumni** of the department with their designation and address (maximum 10)
- 1) Prof. S.B.Nair  
Professor and Head, Department of  
Computer Science and Engineering  
Indian Institute of Technology, Guwahati  
Assam 781039

- 2) Shri Pravin Khaddakar  
BI and DW Solutions Architect  
Oracle Corporation UK  
Local Address: London, United Kingdom
  - 3) Prof V.M.Thakare  
Professor & Head  
Department of Computer Science  
Sant Gadge Baba Amravati University, Amravati 444602
  - 4) Prashant Gulalkari  
Vice President Business Development  
Persistent Systems Limited  
Pune Area, India
  - 5) Prafulla Wadaskar  
Sr. Software Engineer at Marvell India Pvt Ltd  
Pune Area, India Computer Software
  - 6) Dr. Vijay M. Wadhai  
Principal,  
SAE, Kondhwa, Pune  
S. No. 40/4A, Near octroi Post,  
Kondhwa – Saswad Road, Pune – 411048
  - 7) Anil B. Palaskar  
Manager (Electronics) at Airports Authority of India, Pune
  - 8) Ashish kulkarni  
Branch manager at Sciencetech Technologies Pvt. Ltd,  
Mumbai
  - 9) Aruni kumar  
Production support lead at Northern trust company,  
Chicago, Illinois information technology and services  
Cognizant technology Solutions
  - 10) Manoj Badase  
Programmer Analyst  
Syntel Ltd. Pune  
India
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.
1. Mr. Sachin Ghatol ,Sap Cosultant, Florida ,USA- Lecture on Six Sigma on 18/3/2011
  2. Prof. N.W. Kale, PRMIT&R,Badnera ,lecture on Energy Conservation on 15/9/ 2012
  3. Dr.Manisha Kale,associate professor, Dept Home Science, Lecture on Concentration and Nutrition on 13/10/2014
  4. Shri P.A. Saudagar, Asstt. Professor,JB Science college,Wardha,Lecture on NET/SET preparation 14 Sept 2013

45. List the teaching methods adopted by the faculty for different programmes.
- Conventional Class room teaching with chalk & black board
  - Power Point Presentation
  - Educational videos
  - Open source e-learning modules
  - Online open access Multimedia educational courseware
  - Multimedia system, CDs etc.
  - Interactive Teaching Methodology
  - Question answer method
  - Brainstorming on a selected topic of the subject
  - Seminar presentation on advance topics not included in the prescribed syllabus but related to the subject
  - Encouraging students for analysis and synthesis with respect to Problem solving
  - Special tutorials for numerical problems solving
  - Identification of some topic for self-study by students with a view to enhance their learning ability
  - Teaching with the aid of computer simulation environment
  - Conducting quiz, seminar competition among students to generate interest
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
- Internal Class tests, surprise tests and open-book tests are conducted periodically for proper evaluation of the performance of students. Feedback from the students is also used for verification and modification if needed. Furthermore, meetings with class representatives are organized periodically for ascertaining the results of learning. In addition, all faculty members are monitoring the progress of individual student, so that necessary remedial measures could be adopted along with progressive follow-up
47. Highlight the participation of students and faculty in extension activities.
- All the students and faculty participate in extension activity organised by the department every year.  
Students explain energy conservation with help of posters.  
Faculty explain the theory and demonstrate LED lamp fabrication.  
Students help the trainee students in PCB making and fabrication of LED lamps.
48. Give details of “beyond syllabus scholarly activities” of the department.
- Wall magazine is displayed where research articles are displayed.
  - Department library contains research magazines.
  - Students participate in technical workshops in in-house as well as organised by other institutes.
  - Technical visits are organised every year.
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- The department has contributed in development of the following in view of the application as well as generating new algorithms, methodologies and processes
    1. Intelligent system for Fault detection of Three phase Induction Motors
    2. Intelligent sensor for measurement of thickness
    3. Novel system for prediction of one day ahead electrical power load demand prediction
    4. Novel system for diagnosis of epilepsy from EEG signals
    5. Development of efficient Pollen classification algorithm using computational intelligence

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

**Strengths:**

Publications in highly reputed peer-reviewed and indexed International Journals like IEEE Transactions and Elsevier Science Direct International Journals; Indexing by SCOPUS and Thomson Reuter Journals Citation Report for Most of the publications; Four patents (Indian) have been filed, SCOPUS document h index for one of the teachers in the department is 7.0; ability to apply knowledge of Artificial Intelligence with a view to solve any challenging problem in engineering and technology (e.g. System identification and design, Classification, Decision Support System, Pattern Analysis and Pattern Recognition, Time series Prediction, Clustering, Nonlinear regression, etc); regularly invited by Chief Editors of IEEE Transactions (Pattern Analysis and Machine Intelligence, Instrumentation and Measurements, Neural Networks and Learning Systems) and Elsevier International Journals (Applied Soft Computing, Expert Systems and Applications, Neurocomputing, Neural Networks) for reviewing research articles submitted

**Weaknesses:**

No consultancy, no sponsored research projects in the department

**Opportunities:**

Collaborative, inter-disciplinary/multi-disciplinary research work for solving real-world problems of the society; submission of major research projects to funding agencies such as UGC, DST, etc

**Challenges:**

Striving for the possibility of consultancy services by the department in and around industrially backward region of Amravati

52. **Future plans** of the department.
- It has been planned to start M. Tech. Signal processing programme (Faculty of Engineering and Technology) in the department after obtaining necessary approval from the AICTE or appropriate competent authorities.

## Evaluative Report of the Department

1. Name of the Department : **Business Administration and Management**
2. Year of establishment : 1984
3. Is the Department part of a School/Faculty of the university?  
NA
4. Names of programmes offered : PG  
(UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., Diploma, P.G. Diploma, Certificate Courses, Advance Diploma etc.):

Level of the Programme	Name of the Programme	Duration	Intake Capacity	Faculty
Ph. D.	Management <ul style="list-style-type: none"> <li>▪ Financial Management</li> <li>▪ Global Finance</li> <li>▪ Marketing Management</li> <li>▪ Services Marketing</li> <li>▪ Human Resource Management</li> <li>▪ Organizational Behaviour</li> <li>▪ Production Management</li> <li>▪ Operations Management</li> </ul> Commerce <ul style="list-style-type: none"> <li>▪ Accounting and Statistics</li> <li>▪ Business Economics</li> <li>▪ Commerce</li> <li>▪ Business Management</li> </ul> Social Sciences <ul style="list-style-type: none"> <li>▪ Economics</li> </ul>		08 08	Commerce/ Management/ Social Sciences
P.G.	Master of Business Administration <ul style="list-style-type: none"> <li>▪ Financial Management</li> <li>▪ Global Finance</li> <li>▪ Marketing Management</li> <li>▪ Services Marketing</li> <li>▪ Human Resource Management</li> <li>▪ Organizational Behaviour</li> <li>▪ Production Management</li> <li>▪ Operations Management</li> </ul>	Two Year s	60	Commerce/ Management

5. Interdisciplinary programmes and departments involved  
Nil

6. Courses in collaboration with other universities, industries, foreign institutions, etc.  
Nil

7. Details of programmes discontinued, if any, with reasons  
Nil

8. Examination System:

➤ Semester Pattern examination system is for MBA programme. The University examination is unique, fifty percent is case base and application base. It contains Case and case lets including conceptual. The internal assessment is a yearlong continuous process with various parameters.

- Choice Based Credit System:

9. Participation of the department in the courses offered by other departments  
Yes. As per CBCS.

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/Others (specify)):

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	-	1
Associate Professor	2	1	1
Assistant Professor	4	2	1
Other (Specify)			

11. **Faculty profile** with name, qualification, designation, area of specialization, experience and research under guidance:

S. N.	Name	Qualification	Designation	Gender (M/F)	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 years
1	Santosh Sadar	M.Com M. A. M.Phil, Ph.D	Professor	Male	Financial Management	20	8
2	Dipak Chacharkar	M.B.A, Ph.D.	Associate Professor	Male	Marketing Management	18	8
3	Sachin Gaikwad	M.B.A.	Assistant Professor	Male	Human Resource Management	15	NIL



12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

Nil

13. Percentage of classes taken by temporary faculty- programme wise information:

S. N.	Year	No. of CHB	% of classes taken
1	2014-15	17	72.87
2	2013-14	15	72.87
3	2012-13	15	72.87
4	2011-12	12	72.87
5	2010-11	16	60.46

14. Programme-wise Student Teacher Ratio (*include only permanent staff*) :

S. N.	Year	Student Teacher Ratio
1	2014-15	20 : 1
2	2013-14	20 : 1
3	2012-13	20 : 1
4	2011-12	20 : 1
5	2010-11	15 : 1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

S. N.	Name of the Post	No. of Sanctioned Posts	No. of Filled Posts	No. of Vacant Posts
-	-	-	-	-

➤ The University has developed Central Administrative Service Unit (CASU) and all administrative work has to be done by this unit. Apart from this, support staff services are provided to the Department by the University for Routine Work.

16. Research thrust areas as recognized by major funding agencies:

- Consumer Education and Protection – University Grants Commission
- Child workers in Hotel and Catering Industry – Indian Council of Social Science Research
- Marketing Management – Ministry of Consumer Affairs, GoI
- Job Oriented Commerce Higher Education – University Grants Commission
- Modernization in Technology – All India Council for Technical Education

17. **Number of faculty with ongoing projects** from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

S. N.	Title of Project	Funding Agency	Total Grants Sanctioned	Status National/International	Duration & Year of Sanction	Ongoing/Completed
D. Y. Chacharkar						
1	'Critical Study of Menace of Imitated Brands'.	Govt. of India, Ministry of Consumer Affairs, Food and Public Distribution, Department of Consumer Affairs, New Delhi	3,85,000	National	One Year (2010-11)	Completed

18. **Inter-institutional collaborative projects and associated grants sanctioned:**

S. N.	Title of Project	Funding Agency	Total Grants sanctioned	Status	Name of the Collaborating Institute	Date of implementation & duration
S. B. Sadar						
1	Recruitment and Selection of Staff	The Amravati Zilla Parishad Shikshak Sahakari Bank Ltd.	50000	Completed	The Amravati Zilla Parishad Shikshak Sahakari Bank Ltd.	Aug. 2014
S. B. Sadar						
1	AbAno sAbAl, Professional Beautician – Avenue for Self employment and Employment in Vidarbha, Designing of survey, preparation of questionnaire and preparing report on Opportunities for self employment and employment as professional beautician	Varhad Vikas Bahu Uddeshiya and Shikshan Prasarak Mandal, Hivarkhed	10000	Completed	Varhad Vikas Bahu Uddeshiya and Shikshan Prasarak Mandal, Hivarkhed	Sept. 2010

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants sanctioned:

Nil

20. Research facility / centre :

Details of Facilities and Major Equipments for Research (more than 1 Lac) available in the Department:

Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies

Nil

22. Details of Publications:

**22.1 Research Articles/Publication :**

S. N.	Title of Paper	Name of the Journal and Vol. No., Year, Page No.	Status National/ International	ISSN/ISBN No of Journal	Impact Factor	h-Index	Citation Index	Listed in International Database
S B Sadar								
1	Expectation Management in Higher Education: Achieving a win-win Situation	SPM – JAR Journal of Academic Research, yr 2012-13, p.67-72,	International	2277 - 3908	Yes			
S B Sadar								
02	Economic Strengthening of India via Microfinance	Role of Women in Indian Economy, Dr. G. M. Bhatt, V. L. Media Solutions, yr 2012-13, p.166-176	National	978-93-80820-37-8				
D Y Chacharkar								
03	A Toolkit for Beverages Market'	'PMR-Pravara Management Review', 2278-0165 (Online) Vol 11 No. 1, Jan-June 2012, pp. 14-19	National	975-7201 (Print)				
04	An Insight in Marketing Strategies of Soft Drink Industry Leader 'Coca Cola' (With Special Reference to Maaza)"	Bizz...Ness' Vol I , Issue.1, July 2012 pp. 94-110	National	2277 – 4823				

D Y Chacharkar								
05	Title 'A War Against Brand Attacks.'	'Emerging Perspectives in Consumer Welfare- Twenty Five Years of the Consumer Protection Act', yr 2011-12, pp. 126-135.	National	81-86641-59-9				
06	'Fake Products Menace: A Case Study'	'Consumer Protection in India - Policies and Case Studies' 13:978-81-8069-874-3, yr 2011-12, pp. 280-292.	National	81-86641-59-9				
S B Sadar								
07	Elimination of System of Child Workers: An Effective Measure for Sustainable Development of India	Mumukshu Journal of Humanities Vol. 3, Number 3, June 2011, p.148-164	International					
08	e-CRM Data Modeling Using Adaptive Neuro Fuzzy Model	International Journal of Business and Information technology 2047-0363 Vol. 1, No.1, June 2011, p. 120-136	International	2047-0363				
09	Creativity and Innovation for Enterprising Entrepreneurship	International Journal of Marketing and Technology 2249-1058 Vol.3, Issue 3, August 2011, p. 33-57	International	2249-1058				
10	Strategic Investment Planning for Indian Power Sector	Journal of IES Institute of Business Management 0975-5268 Vol. 1, No. 1, Jan-Jun 2011, p. 23-26	International	0975-5268				
11	Multicultural Management in Multinationals – A Pool for Proficiency in Global Business	International Journal of Engineering and Management Sciences 2229-600X Vol.2 (3), 2011, p. 139-142	International	2229-600X				
12	Data mining to enhance E-Loyalty in E-Commerce Using Neuro Fuzzy Clustering	International Journal of Advances in Management Technology and Engineering Sciences 2249-7455 Vol.1, Issue 2 (1),	International	2249-7455				

		November 2011						
13	Web Document Clustering Adaptive Neuro Fuzzy Model	Advances Computer Engineering and Architecture 2248-9452 Vol. 1, No. 2, December 2011	International	2248-9452				
S. B. Sadar								
14	Child Worker in Hotels: Perceptions and Perspectives	Online International Journal of Business Management and Economic Research, March 2011	International	2229-6247				
15	Knowledge Management: Key factor of Success for Organization	International Journal of Emerging Technologies and Applications in Engineering Technology and Sciences (IJ-ETA-ETS), January 2011-June 2011, p.13-19.	International	0974-3588				
16	Electronic Customer Relationship Management (e-CRM) from Adaptive Neuro Fuzzy Prospective	International Journal of Advanced Engineering and Application Steps India (IJAEA), Vol. Issue. January 2011, p.1-7.	International	0975-7783				
17	Adaptive Neuro Fuzzy Clustering Approach to Personalization in e-CRM	JK Journal of Management and Technology, Vol. Issue. March 2011, p.						
18	Children Working in Hotels	International Journal of Business Economics and Management Research, January 2011, p.56-77	International	2229-4848				
19	e-CRM – In the Insurance Industry using Adaptive Neuro Fuzzy Model	Global Journal of Finance Management, Research India Publication, Vol. 2, No. 1 (2010) pp 147-158	International	0975-6477				
20	e-CRM and Adaptive Neuro Fuzzy Model	Journal of Insurance and Risk Management, Birla Institute of Management Technology, Greater Noida, India, Vol. VIII, Issue 16, June 2010, pp 41-54.		0972-7620				

## 22.2 Books Written/ Edited:

Nil

## 22.3 Monographs/ Chapters in Book/s Written/Edited:

S N	Name of Authors	Title of Book	Title of Chapter added	Name of Publisher	ISSN/ SBN No.	Page No.	Contributed As (Editor/ Author)
1	D. Y. Chacharkar	Brand Imitation	Brand Imitation Counterfeiting and Consumers'	Centre for Consumer Studies, Indian Institute of Public Administration, New Delhi	81-86641-68-8 (yr 2014-15)	p. 1-81	Author
2	S. B. Sadar	Economic Strengthening of India via Microfinance	Role of Women in Indian Economy	Dr. G. M. Bhatt V.L.Media Solutions	978-93-80820-37-8 (yr 2012-13)	p.166-176	Author

## 22.4 Publications in Conference/Seminar Proceedings:

SN	Title of Paper	Name of the Conference/Seminar/ Workshop	Status National/ International	ISSN/ ISBN	Name of Organizing Agency	Duration and Date	Volume and Page No. of Proceedings
S B Sadar							
01	Formulation of Research Problem for Research in Behavioural Sciences	Multidisciplinary Research	International	976-81-92339-3-07	Department of Business Administration and Management, SGBAU and Takshasheela Mahavidhyalaya, Amravati	October 16-17, 2013	P.334-337
02	Services and Performance of Insurance Sector in India in Post IRDA Period	Service Sector India	National	978-93-82588-25-2	Department of Business Administration and Management, SGBAU and LRT Commerce College, Akola	Yr 2013-14	p.131-134
03	Soft Skills for Making Yourself	Honing Language Skills	National	978-93-	Department of Business	Yr 2013-14	p.3-5

	Employable			82588-27-6	Administration and Management, SGBAU and LRT Commerce College, Akola		
04	Future of e-Banking in India	Emerging Trends in E-Commerce	International		Department of Commerce, University of Madras, Chennai	March 16-17, 2011	
05	Banking Sector in India via Information Technology: A Paradigmshift	Information Technology and Business in Our Society	National		Dr. H.N. Sinha Arts and Commerce College, Patur, Dist. Akola	February 17, 2011	p. A-1.A-3
06	Dimensions of Human Resource Management in Retailing	Emerging Trends in Indian Retail Management on	National	978-93-80697-62-8	Sydenham College of Commerce and Economics, Mumbai	February 10-11, 2011	p. 208-209
07	Inclusive Growth: Perspective and Challenges	Inclusive Growth	National		Government Institute of Science and Humanities, Amravati	January 28-29, 2011	p. 12-15

23. Details of patents:

Nil

24. Areas of **consultancy** and income generated:

S N	Year	Name (s) of the Faculty Member	Area of Consultancy	Income Generated with Receipt Numbers
1	2014-15	S. B. Sadar	Human Resource Management	50000
2	2013-14	S. B. Sadar	Human Resource Development	96000
3	2010-11	S. B. Sadar	Product Launching	10000

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:

Nil

26. Faculty serving on  
a) National committees b) International committees c) Editorial Boards d) any other (please specify):

S. N.	Year	Name of the Faculty	National Committees/ International Committees/ Editorial Boards/ Any Other (specify)	Organization	Acted as Member / Chairman/ Secretary/Oth ers (specify)
1	2014-15	S. B.Sadar	Editorial Boards SPM-JAR Journal	S. P. College, Chandrapur	Member
2	2013-14	S. B.Sadar	Editorial Boards SPM-JAR Journal	S. P. College, Chandrapur	Member

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

➤ Faculties are motivated to attend Refresher/ Orientation/ Workshops/ Specialized Training Programmes/ Industrial Interaction to achieve excellence in teaching and research.

28. Student projects:

- **Percentage** of students who have done in-house projects including inter-departmental projects :
  - It is hundred percent, as students of MBA II year have to carry out Dissertation as part of their assessment , hence to undertake live projects in relation to business entities. Similarly MBA I year students have to undergone 45 days summer Internship Programme with industry/business after their second semester.
- **Percentage** of students doing projects in collaboration with other universities / industry / institute :
  - It is hundred percent, as students of MBA II year have to carry out Dissertation as part of their assessment , hence to undertake live projects in relation to business entities. Similarly MBA I year students have to undergone 45 days summer Internship Programme with industry/business after their second semester.

29. Awards / Recognitions received at the National and International level by

- Faculty
- Doctoral / Post Doctoral Fellows
- Students

Nil



30. **Conferences/Seminars/Workshops organized by Department:**

S N	Name of the Conference/Seminar/Workshop	Status National/ International	Name of Chairman/ Organizing Secretary/ Convenor	Funding Agency with Funds	Collaborators (if any)	Duration, Date and Venue
1	Conference on Multidisciplinary Research	International	S. B. Sadar	UGC	Takshasheela Mahavidhyalaya	October 16- 17, 2013
2	Conference on Service Sector in India	National	S. B. Sadar	UGC	LRT Commerce College, Akola	January 27, 2014
3	Conference on Honing Language Skills	National	S. B. Sadar	UGC	LRT Commerce College, Akola	January 28, 2014
4	Quality Improvement Programme for Business Management Teachers Pedagogy to Andragogy: MBA Programme for Excellence	National	S. B. Sadar	No		December 30, 2013 to January 3, 2014
5	Programme on Making Dissertation Relevant of MBA Programme for Qualitative Research and Better Employment Opportunities for Master of Business Administration Students	National	S. B. Sadar	No		February 15, 2014
6	Programme on Qualitative standardization of Dissertation in Master of Business Administration Programme for Business Management Teachers	National	S. B. Sadar	No		February 14, 2014

31. **Code of ethics for research followed by the departments :**

- Priority to Government Sector on no charge basis
- Priority to needy section of the society e.g. farmers, domestic workers, child workers etc. on no charge basis
- Emphasis on regional economy.

32. **Student profile programme-wise:**

Year	Admitted to First Year of the Course			Pass Percentage of Students	
	Boys	Girls	Total	Boys	Girls
2014-15	35	24	59	-	-
2013-14	40	19	59	20	47.36
2012-13	36	24	60	36.11	37.50
2011-12	32	28	60	34.37	25
2010-11	28	32	60	82.14	87.5

## 33. Diversity of students

## Master of Business Administration Programme

Year	% of Students from the same university	% of students from other universities within the State	% of students From universities outside the State	% of Students from Other countries
2014-15	86.44	13.56	0	0
2013-14	84.75	15.25	0	0
2012-13	86.67	8.33	5	0
2011-12	73.33	21.67	5	0
2010-11	75	13.33	11.67	0

## 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

➤ No. of Students Net Qualified : 06

## 35. Student progression:

Student progression		Percentage against enrolled				
UG to PG		NA				
PG to M.Phil.		NA				
PG to Ph.D.		NA				
Ph.D. to Post-Doctoral		NA				
Employed		2010-11	2011-12	2012-13	2013-14	2014-15
<input type="checkbox"/>	Campus selection	21.05 (12)	38.33 (23)	38.33 (23)	20.33 (12)	08.88 (04)
<input type="checkbox"/>	Other than campus recruitment	45.61 (26)	31.66 (19)	90.00 (54)	76.27 (45)	66.67 (30)
<input type="checkbox"/>	Entrepreneur	17.54 (10)	30.00 (18)	10.00 (06)	15.25 (09)	15.55 (07)

## 36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	33.33
from other universities within the State	66.67
from universities from other States from	---
universities outside the country	---

## 37. Number and Name of the faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

Nil

38. Present details of departmental infrastructural facilities with regard to :
  - a) Library : 600 plus books on about 400 titles
  - b) Internet facilities for staff and students : Internet, Wi-Fi facility
  - c) Total number of class rooms : Six
  - d) Class rooms with ICT facility : Six
  - e) Students' laboratories : Computer Laboratory, Soft Skills Laboratory
  - f) Research laboratories : Research and Development Cell
39. List of doctoral, post-doctoral students and Research Associates :
  - a) from the host institution/university:  
Nil
  - b) from other institutions/universities:  
Nil
40. Number of post graduate students getting financial assistance from the university.  
Nil
41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.  
No
42. Does the department obtain feedback from
  - i. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
    - On the routine basis department gathers feedback from regular as well as visiting faculties on matters related to teaching learning education. As business management is going through rapid changes the feedback is used to drive state-of-art curriculum as well as modern teaching methods like use of case studies, group discussion and extensive use of AV equipments. The objective is to expedite learning among students.
  - ii. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
    - Practical teaching methods are emphasis making aware students of latest development in the management field. Students are consulted and their views are incorporated in syllabus, extracurricular activities like seminars, visits, etc.
  - iii. Alumni and employers on the programmes offered and how does the department utilize the feedback?
    - MBA department backbone is the Alumni. Department regularly arranges Alumni meets and often invite successful Alumni's to motivate the students. Prominent employees are regularly invited to the department to brief students on changing employment scenarios emerging skill required and necessary approach is obtaining job.

43. List the distinguished alumni of the department with their designation and address (maximum 10)

- 1 Kiran Deshmukh, Entrepreneur, USA
- 2 Jay Bokey, Professional, United Kingdom
- 3 Shriniwas Tapadiya, Mittal Steel, South Africa
- 4 Atul Bhardwaj, BPCL, Mumbai
- 5 Ajeet Singh, Hawkins, Raipur
- 6 Kamlesh Daga, Plasti Surge Ltd.
- 7 Virendra Ganediwal, Modtek, Ltd
- 8 Ranjeet Band, Aspa band and Sons
- 9 Rajendra Kadu, Mahalakshmee Seeds Ltd.
- 10 Neetin Raut, Sanpack Industries Ltd.

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

➤ Student Enrichment Programs are regularly conducted to impart necessary knowledge to the student on an average 20 such program are conducted during each seminar. Be topic include-

1. Changing global business environment
2. Soft skills and personality development
3. Successful HR strategies
4. How to develop research acumen
5. Corporate social responsibility and its importance in India
6. Corporate governance- challenges and opportunities
7. Opportunities in Indian banking sector
8. Foreign direct investment- a need of time
9. Time and stress management
10. Improving EQ & IQ
11. Work life balance
12. Effectively using Microsoft office, project and access
13. Career opportunities in marketing
14. Entrepreneurship as carrier choice
15. Agribusiness management
16. Hoe to improve self confidence and speak English
17. Introduction of E-commerce opportunities
18. Inter personal skills development
19. How to be a successful MBA
20. Introduction to international marketing

45. List the teaching methods adopted by the faculty for different programmes.

- Teaching methods
- Case study
  - Group discursion
  - Site visit
  - Real site situation analysis
  - Discursion from leading internet blogs in US /EU

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
- Department is continuously engaging student in various activities. The regular feedback is taken after each program and shortcomings are conveyed to the person in charge. The learning of student is monitored via special assignment which combine practical and educational syllabus. Such assignments are granted by department faculty's external experts.
47. Highlight the participation of students and faculty in extension activities.
- Extension activities are an internal part of department activities. A schedule plan is prepared for every year and activities include, tree plantation, Swachh Bharat Abhiyan, teaching for students nearby village and inviting entrepreneurship lessons to needy. Extension activities create awareness among students as well as faculties toward their responsibility to the society and nature as a whole.
48. Give details of "beyond syllabus scholarly activities" of the department.
- Beyond syllabus scholar activity, include case writing activity/ competition and research paper practice sessions. Students are giving secondary data and are required to produce case/ caselets in a group of 5 each. The similar method is followed for research paper [although in its primary]. The objective has is to judge the analytical ability of the students and their perception on current issues. Business plan competition and student to write business plan for small entrepreneurs. Real life cases with detail budgeting, planning and finding are considered.
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.
- Nil
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- Amravati is categorized the backward district of western vidharbha. The department continuously strives to generate new knowledge keeping in mind the stakeholders. Over the past years students by engaging in programs/ activities has created awareness about various government schemes in nearby villages. Exercise included explaining beneficiary's merchandise of government schemes and process of availing the same. In certain cases student have work through district industrial center [DIC] to help villages/ entrepreneurs in working a business plan, budget and other planning approach of the business. Department has recently trained farmer in the district in skill development farmers. There program was conducted through CAIM [convergence of agriculture interventions in Maharashtra]. Promotion of khadi is another initiative where student have contribute their efforts. Our understanding of socio-economic canvas has helped consumer related companies such as finance, bank, etc. to chalk out there effective marketing strategies.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

**Strengths:**

1. Well established department with privet track record of excellence in teaching research and placements.
2. Strategic location at the cross roads of urban and rural boundaries
3. 100% intake every year
4. Continuous enhancement of quality
5. Well established alumni across India and the word.

**Weaknesses:**

1. Structured syllabus [ as compared to other leading B. schools in India ],
2. Inadequate full time regular faculty,
3. Limited infrastructure [ reams AV room, multimedia lab, broadband connectivity for carrying out lecture] and,
4. Department is located in industrially backwards district.

**Opportunities:**

1. To tackle rural India's problems
2. Construct extensive research in rural areas
3. Creating rural entrepreneurs for making in India comparing
4. Teacher student bond
5. To start rural business incubation center

**Challenges:**

1. Bringing transformation in rural student
2. Enhancing their English compatibility
3. Funding of rural entrepreneurship project
4. Enhancing adoption of socio economic research by government and policy makers
5. Attracting talent

52. Future plans of the department.

➤ **Future plan**

1. Develop a case bank related to problem in agriculture, employment generation, gender participation, sustainable development in Amravati.
2. Rural Entrepreneurship Incubation Center
3. Gender Entrepreneurship, Innovation and Incubation Center
4. To serve as a nodal agency for Business Plan and other business related activities DIC Amravati
5. To setup an Innovation Center is Best Practices in Agribusiness Management for Amravati Div.
6. Assist Lab to Land initiatives from management angle in achieving sustainable development is agriculture.
7. To emerge as Rural Skill Development Center.

## Evaluative Report of the Department

1. Name of the Department : **Computer Science**
2. Year of establishment : 1986
3. Is the Department part of a School/Faculty of the university?  
NA
4. Names of programmes offered : PG  
(UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., Diploma, P.G. Diploma, Certificate Courses, Advance Diploma etc.):

Level of the Programme	Name of the Programme	Duration	Intake capacity	Faculty
PG	M.Sc.(Comp Science)	2 Years	20	Science
PG	M.C.A.	3 Years	60	Engg & Tech
PG	PGDCS	1 Year	30	Engg & Tech
PG	PGDEM	1 Years	30	Science
PG	ME (CSIT)	2 Years	30	Engg & Tech

5. Interdisciplinary programmes and departments involved  
Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc.  
Nil
7. Details of programmes discontinued, if any, with reasons  
Nil
8. Examination System:
  - Semester Pattern
  - Choice Based Credit System
9. Participation of the department in the courses offered by other departments  
➤ Yes. As per CBCS.

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/Others (specify)):

Post	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	1
Associate Professor	2	2	4
Assistant Professor	8	7	5
Other (Specify)	--	--	--

11. **Faculty profile** with name, qualification, designation, area of specialization, experience and research under guidance:

S. N.	Name	Qualification	Designation	Gender (M/F)	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 yrs
1	Dr.V.M.Thakare	M.E.,Ph.D.	Prof & Head	M	Robotics & AI, CA, IT	26	07
2	Dr.A.B.Manwar	M.Sc.,Ph.D.	Asso.Prof	M	Web Technology	20	--
3	Dr.M.Atiq	M.E.,Ph.D.	Asso. Prof	M		22	08
4	Dr.S.R.Kalmegh	M.Sc.,Ph.D.	Asso. Prof	M		20	--
5	Dr.S.S.Sherekar	M.Sc.,Ph.D.	Asso. Prof	F		20	08
6	R.D.Bhoyar	M.Sc.	Asst. Prof	M	Web Mining	07	--
7	S.D.Pachpande	M.Sc.	Asst. Prof	M	Computer Network	13	--
8	A.S.Jaiswal	M.Sc.	Asst. Prof	F		05	
9	Y.M.Kurwade	B.E.	Asst. Prof	M		05	
10	R.N.Khobragade	M.E.	Asst. Prof	M		03	

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

Nil

13. Percentage of classes taken by temporary faculty- programme wise information:

S. N.	Year	No. of CHB	% of classes taken
1	2014-15	18	24
2	2013-14	15	25
3	2012-13	14	24
4	2011-12	16	19
5	2010-11	13	20



14. Programme-wise Student Teacher Ratio (*include only permanent staff*) :

S. N.	Year	Student Teacher Ratio
1	2014-15	31:1
2	2013-14	31:1
3	2012-13	31:1
4	2011-12	26:1
5	2010-11	26:1

## 15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

S. N.	Name of the Post	No. of Sanctioned Posts	No. of Filled Posts	No. of Vacant Posts
1.	Lab Technician	01	01	Nil
2.	Lab Attendant	01	01	Nil

## 16. Research thrust areas as recognized by major funding agencies:

- Robotics
- AI, Comp Arch
- System Software
- Image processing, Editing
- Computer Vision
- Web Computing
- Mobile Computing
- Embedded System
- Character Recognition
- Web Mining, Data Mining, Big Data Mining
- Cloud Computing, Mobile Cloud
- WCC
- CN

17. **Number of faculty with ongoing projects** from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

S. N.	Name of Faculty (PI/Co-PI)	Title of Project	Funding Agency	Total Grants Sanctioned	Status National/International	Duration	Ongoing /Completed
1	Dr. M. Atique	Design Implementation and evaluation of Scheduling Algorithms	UGC	5.79L	National	3 Years (2012-13)	Ongoing

## 18. Inter-institutional collaborative projects and associated grants sanctioned:

Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants sanctioned:

Nil

20. Research facility / centre :  
Details of Facilities and Major Equipments for Research (more than 1 Lac) available in the Department:

- Servers : 05
- Computers/nodes : 100
- Softwares specialised : 10

21. Special research laboratories sponsored by / created by industry or corporate bodies

Nil

22. Details of Publications:

**22.1 Research Articles/Publication :**

S. N.	Name of Authors	Title of Paper	Name of the Journal and Vol. No., Year, Page No.	Status National/ International	ISSN/IS BN No of Journal	Impact Factor	h-Index	Citation Index (if any)	Listed in International Database
1	Mrs A S Jaiswal 2 Dr VM Thakare	Performance Based Analysis of Cloudlet Architectures in Mobile Cloud Computing	International Journal Of Computer Application, yr 2014-15	International	ISBN 978-93-5196-218-2	0.715			
2	D.R. Solanke, K.D. Chinchhede, A.B. Manwar	Development of Low Cost Integrated Discrete Controller for Winter Garden Ambiance Control.	International Journal of Informative & Futuristic Research, Vol. 2, Issue 3, Nov. 2014. Page 618-624	International	2347-1697	3.059			
3	Dr.V.M. Thakare & Dr.S.S. Sherekar	"A Novel Scheme for Jamming Attack Prevention in computer Networks"	International Journal of Electronics, communication & Soft Computing Science and Engineering, Special Issues,	International	ISSN: 2277-9477	4.526			Google proquest, Index Copurnicus, DOAJ, Open J-Gate,

			PP.14-17, yr 2014-15						
4	Dr.V.M. Thakare & Dr.S.S. Sherekar	“A Novel Approach to minimize Flooding In MANET Using Symmetric and Asymmetric Paths”,	International Journal of Electronics, communication & Soft Computing Science and Engineering, yr 2014-15	International	ISSN: 2277-9477	4.526			Google proquest, Index Copernicus, DOAJ, Open J-Gate,
5	Dr.V.M. Thakare & Dr.S.S. Sherekar	“Critical Study of Location Dependent Based Query Processing In Mobile Environment”	International Journal of Electronics, communication & Soft Computing Science and Engineering, yr 2014-15	International	ISSN: 2277-9477	4.526			Google proquest, Index Copernicus, DOAJ, Citefactor, Open J- Gate,
6	Dr.V.M. Thakare & Dr.S.S. Sherekar	“A Novel Framework Of Dynamic Learning Based Intrusion Detection Approach In MANET”	IEEE Explorer accepted, yr 2014-15	International					
7	Dr.V.M. Thakare & Dr.S.S. Sherekar	Detection and Counter measures of phishing attacks	International journal of Pure and Applied research in Engg and Tech. IJPRET, yr 2014-15	International	ISSN: 2319-507X	4.22		Vol 2 (9), pp 299-306	DOAJ, DRJI, IJSRA, Google scholar, index copernicus MENDELEY
8	Prashant Sinalkar, Hemant Mahalle, Avinash Manwar	Multivalued dependencies and fifth normal form of relational databases	International journal of pure and applied research in engineering and technology, Volume 2 (9), Feb 2014 Page 662-665	International	2319-507X	0.621			
9	Dr.K.M. Dhole, Dr.A.B. Manwar,	Smart Grid Approach to improve Power Utilization in	International Journal of Advanced Research in	International	2277-128X	2.080			

	Dr.Vinay Chavan	Cloud Computing Environment	Computer Science and Software Engineering, Volume 4, Issue 4, April 2014 Page 793-796						
10	Dr.V.M. Thakare & Dr.S.S.S herekar	“Clustered Based Intrusion Detection Techniques in Network Environment” As a guide	International Journal of Scientific & Engineering Research, September-2013	Internati onal	ISSN 2229-5518	3.2			Index Copurnic us,
11	Dr.V.M. Thakare & Dr.S.S. Sherekar	“Study of MCC Security Against Cyber Attacks”	International Journal of Advance Research in Computer Science, 2014	Internati onal	ISSN 0976-5697	3.74			
12	Dr.V.M. Thakare & Dr.S.S. Sherekar	“Performance Evaluation of PCA Filter In Clustered Based Intrusion Detection System”	IEEE Xplore, yr 2014-15	Internati onal	Accessi on Number : 14117537				
13	Dr.V.M. Thakare	“Critical Analysis of Anomaly Intrusion Detection Techniques in MANET”	International Journal of Advance Research in Computer Science (IJARCS),vol 3,No.3, pp 789-793, May-Jun 2012.	Internati onal	ISSN: 0976-5697	5.42			
14	Dr.V.M. Thakare	“Advances in Face Detection Techniques in Video”, (As a guide)	IEEE Explore, IEEE Computer Society Dec 2012.						
15	Dr.V.M. Thakare	“Mobile Multimedia System Approach for Development of Mobile Applications & Services with Data	International Journal of Computer Sc. & Applications,V ol. 6,No. 2, Apr 2013	Internati onal	ISSN:0974-1011				

		Visualisation”							
16	Dr.V.M. Thakare	“Technical Analysis of Intrusion Detection in Routing Protocol for Mobile Ad Hoc Network”	International Journal of Computer Sc. & Applications, Vol. 6, No. 2, Apr 2013	International	ISSN:0974-1011				
17	Dr.V.M. Thakare	“Comparative Analysis of Data Mining Tools & Techniques for Evaluating performance of Database System”	International Journal of Computer Sc. & Applications, Vol. 6, No. 2, Apr 2013	International	ISSN:0974-1011				
18	Dr.V.M. Thakare	“Interaction of Mobile Agents and Web Services”	International Journal of Computer Sc. & Applications, Vol. 6, No. 2, Apr 2013	International	ISSN:0974-1011				
19	Dr.V.M. Thakare	“Comparative Study of Query Processing Architectures in Mobile Environment”	International Journal of Computer Sc. & Applications, Vol. 6, No. 2, Apr 2013	International	ISSN:0974-1011				
20	Dr.V.M. Thakare	“Analytical Evaluation of Multi clue Face Retrieval Approach” (As a Guide)	International Journal of Computer Sc. & Applications, Vol. 6, No. 2, Apr 2013	International	ISSN:0974-1011				
21	Dr. H.S. Mahalle, A.B. Manwar, Dr. Vinay Chavan	Implementation of Educational Cloud in Education Sector	International Journal of Advanced Research in Computer Science and Software Engineering Volume 2, Issue 12, December 2012 Page 233-237	International	2277 128X				
22	Dr. S. S. Sherekar	“Critical Analysis of	International Journal of	International	ISSN:0976-	5.42			EBSCO

		Anomaly Intrusion Detection Techniques in MANET” (As a Guide)	Advance Research in Computer Science (IJARCS), vol 3, No.3, pp 789-793, May-Jun 2012.	nal	5697				HOST, GENA MICS, M Library, Index Copernicus
23	Dr. S. S. Sherekar	“Advances in Face Detection Techniques in Video”,	IEEE Explore, IEEE Computer Society Dec 2012.	Inter national					
24	Dr. S. S. Sherekar	“Mobile Multimedia System Approach for Development of Mobile Applications & Services with Data Visualisation”	International Journal of Computer Sc. & Applications, Vol. 6, No. 2, Apr 2013	Inter national	ISSN:0 974-1011				DOAJ, Scribed, Citeseer, getCited, Open J-Gate, Google scholar
25	Dr. S. S. Sherekar	“Performance Analysis of Naïve Bayes and J48 Classification Algorithm for Data Classification”	International Journal of Computer Sc. & Applications, Vol. 6, No. 2, Apr 2013	Inter national	ISSN:0 974-1011				DOAJ, Scribed, Citeseer, getCited, Open J-Gate, Google scholar
26	Dr. S. S. Sherekar	“Technical Analysis of Intrusion Detection in Routing Protocol for Mobile Ad Hoc Network”	International Journal of Computer Sc. & Applications, Vol. 6, No. 2, Apr 2013	Inter national	ISSN:0 974-1011				DOAJ, Scribed, Citeseer, getCited, Open J-Gate, Google scholar
27	Dr. S. S. Sherekar	“Comparative Analysis of Data Mining Tools & Techniques for Evaluating performance of Database System”	International Journal of Computer Sc. & Applications, Vol. 6, No. 2, Apr 2013	Inter national	ISSN:0 974-1011				DOAJ, Scribed, Citeseer, getCited, Open J-Gate, Google scholar
28	Dr. S. S. Sherekar	“Interaction of Mobile Agents	International Journal of	Inter natio	ISSN:0 974-				DOAJ, Scribed,

		and Web Services”	Computer Sc. & Applications, Vol. 6, No. 2, Apr 2013	nal	1011				Citeseer, getCited, Open J-Gate, Google scholar
29	Dr. S.S. Sherekar	“Comparative Study of Query Processing Architectures in Mobile Environment”	International Journal of Computer Sc. & Applications, Vol. 6, No. 2, Apr 2013	Inter national	ISSN:0 974-1011				DOAJ, Scribed, Citeseer, getCited, Open J-Gate, Google scholar
30	Dr. S.S. Sherekar	“Analytical Evaluation of Multi clue Face Retrieval Approach”	International Journal of Computer Sc. & Applications, Vol. 6, No. 2, Apr 2013	Inter national	ISSN:0 974-1011				DOAJ, Scribed, Citeseer, getCited, Open J-Gate, Google scholar
31	Dr. V.M. Thakare	“Trends and Prospective of the Dynamic Resource Management Using Adaptive Techniques in Distributed Systems” pp 68-77	International Journal of Computer Science & Telecommunication, vol.2, Issue 7, UK. Oct-2011.	Internati onal	ISSN-2047-3338				indexed in ARXIV
32	Dr. V.M. Thakare	“Performance Analysis of Routing in Resource Management for Distributed System” , pp. 19-22.	ICN-11. Sept.-2011.		ISBN-978-81-921740-0-6				
33	Dr. V.M. Thakare	“Memory Management Techniques with Performance Improvement Factors in Distributed Systems”, pp 20-27.	ICACM- Jan-2012.		978-81-921768-0-2.				
34	Dr. V.M. Thakare	“Analysis Of Security Aspects	Int. Journal of Comp. Sc.		2231-3117				indexed by ASAP

		For Dynamic Resource Management In Distributed Systems”, pp 1-12	Engg. & IT, vol 1(5), pp 1-12, Dec- 2011.						
35	Dr.V.M. Thakare	“Technical Computation and Communication Delay in Distributed System” pp 30-32	International Journal of Computer Applications, New York, pp 30-32, Dec.2011.		ISSN-0975-8887				Indexed by DOAJ, Citeseer, Google Scholar
36	Dr.V.M. Thakare	“Load Balancing-The Essential Factor in Communication Network of Distributed System” pp 74-77	International Journal of Computer Applications, New York, pp 74-77, Jan 2012.		ISSN-0975-8887				Indexed by DOAJ, Citeseer, Google Scholar
37	Dr.V.M. Thakare	“Analysis of Information Visualization Techniques for Abstract data on Mobile Devices” pp 31-38,	International Journals of Computer Science and Application IJCSA, Vol. 4 ,No.1,pp 31-38, April-May 2011.		ISSN-0974-1003				
38	Dr.V.M. Thakare	“Structural design and techniques of client-server fo 3D visualization on mobile devices”	ICACM- Jan 2012.		ISBN No. 978-81-921768-0-2,				
39	Dr.V.M. Thakare	Mobile based tools and techniques for 3D visualization”	International Journal of Computer Applications, New York, Dec.2011.		ISSN-0975-8887				Indexed by DOAJ, Citeseer, Google Scholar
40	Dr.V.M. Thakare	“Technical Analysis of Remote 3D Visualization on Mobile Devices” pp 99-118.	International Journal of Computer Science and Information Technology (IJCSIT), AIRCC, vol 3, no. 6, pp 99-		ISSN-0975-4660				indexed by ARXIV & ASAP



			118, Dec. 2011.						
41	Dr.V.M. Thakare	“Compression Techniques for Remote Visualization on Mobile Platforms, pp 37-41.	Int. Journal of Computer Applications, New York, Jan. 2012.		ISSN-0975-8887				
42	Dr.V.M. Thakare	, “Towards Retrieval of Human Face from video database: A Novel Framework”,	Int. Journal of Information Systems & communication, vol. 3, issue1, pp 154-157, Jan 2012.		ISSN:0976-8742	4.57			
43	Dr.V.M. Thakare	“Empirical Analysis of Human Face Retrieval from Video Database”	ICACM- Jan-2012		ISBN No. 978-81-921768-0-2				
44	Dr.V.M. Thakare	“Methodology for Human Face Retrieval from Video Sequences Based on Holistic Approach”, pp 47-51.	Int. Journal of Computer Applications, New York, pp 47-51, Jan 2012.		ISSN-0975-8887				Indexed by DOAJ, Citeseer, Google Scholar
45	Dr.V.M. Thakare	“Exploring Competitive Intelligence by Extracting Frequent pattern of Data Mining in Mobile Computing Environment” pp 118-122	International Journal of Computer Applications, New York, pp 118-122, Jan 2012.		ISSN-0975-8887				Indexed by DOAJ, Citeseer, Google Scholar
46	Dr.V.M. Thakare	“Data Mining Approaches For Network Intrusion Detection System”	International Journal of Computer Technology and Electronics Engineering (IJCTEE), vol. 2, issue 1, pg. no. 41-44, Dec. 2011.		ISSN-2249-6343				indexed
47	Dr.V.M. Thakare	“An Interactive Approach for Local and Remote	International Journal of Computer	Internati onal	ISSN-0975-8887				Indexed by DOAJ,

		3D Visualization on Mobile Devices”	Applications, New York, pp 48-53, Apr. 2012.						Citeseer, Google Scholar
48	Dr.V.M. Thakare	“Study Of Location Prediction Techniques For Mobile Devices In Wireless Network”	International Journal of Computer Applications, New York, pp 78-80, Apr. 2012.	International	ISSN-0975-8887				Indexed by DOAJ, Citeseer, Google Scholar
49	Dr.V.M. Thakare	“Study of Intrusion Detection Techniques In MANET”	International Journal of Computer Applications, New York, pp 81-85, Apr. 2012.	International	ISSN-0975-8887				Indexed by DOAJ, Citeseer, Google Scholar
50	Dr.V.M. Thakare	“Measures used for Performance Analysis of Scheduling and Routing in Distributed Systems”	International Journal of Computer Applications, New York, pp 116-119, Apr. 2012.	International	ISSN-0975-8887 ISSN: 0974-3596	0.4			Indexed by DOAJ, Citeseer, Google Scholar
51	Dr.V.M. Thakare	“A Novel Algorithm for Automatic Human Face Retrieval in Video”	International Journal of Computer Applications, New York, pp 339-343, Apr. 2012.	International	ISSN-0975-8887 ISSN-2249-894X	0.341			Indexed by DOAJ, Citeseer, Google Scholar
52	A.B. Manwar, H.S. Mahalle, K.D. Chinchk hede, Dr. Vinay Chavan	A vector space model for Information Retrieval: A MatLab Approach	Indian Journal of Computer Science and Engineering. Vol. 3 No. 2 Apr-May 2012 Page 222-229	National	0976-5166				
53	H.S.Mah alle, A.B.Man war, Dr.Vinay Chavan	Grid data mining using k-means algorithm.	A peer-reviewed International Journal ‘Contemporary Research in	International	2231-2137				

			India'. Page 299-301						
54	H.S. Mahalle, A.B. Manwar, Dr.Vinay Chavan	IPv6-Addressing grid interoperability perspective for Patients in medical field.	Advances in Computational Research, Vol. 4, Iss. 1, 2012 Page 113-116	International	0975-3273				
55	Dr.S.S. Sherekar	"Trends and Perspective of the Dynamic Resource Management Using Adaptive Techniques in Distributed Systems" pp 68-77	International Journal of Computer Science & Telecommunication, vol.2, Issue 7, UK. Oct-2011.	International	ISSN-2047-3338				Index copernicus, CiteFactor, DOAJ, Google scholar, ProQuest, Research Gate, GIF
56	Dr.S.S. Sherekar	"Performance Analysis of Routing in Resource Management for Distributed System", pp. 19-22.	ICN-11. Sept.-2011.	International	ISBN-978-81-921740-0-6				
57	Dr.S.S. Sherekar	"Memory Management Techniques with Performance Improvement Factors in Distributed Systems", pp 20-27.	ICACM- Jan-2012.	International	978-81-921768-0-2.				
58	Dr.S.S. Sherekar	"Analysis Of Security Aspects For Dynamic Resource Management In Distributed Systems", pp 1-12	Int. Journal of Comp. Sc. Engg. & IT, vol 1(5), pp 1-12, Dec- 2011.	International	2231-3117				Google scholar beta, citeseer, scribed, Proquest, Get Cited, .DOC, Stock
59	Dr.S.S. Sherekar	"Technical Computation and Communication Delay in	International Journal of Computer Applications,	International	ISSN-0975-8887				Google scholar beta, Proquest,

		Distributed System” pp 30-32.	New York, pp 30-32, Dec.2011.						EBSCO, Informatics, NASA ads, Citeseer
60	Dr.S.S. Sherekar	“Load Balancing-The Essential Factor in Communication Network of Distributed System” pp 74-77	International Journal of Computer Applications, New York, pp 74-77, Jan 2012.	International	ISSN-0975-8887				Indexed by DOAJ, Citeseer, Google Scholar
61	Dr.S.S. Sherekar	“Analysis of Information Visualization Techniques for Abstract data on Mobile Devices” pp 31-38,	International Journals of Computer Science and Application IJCSA, Vol. 4 ,No.1,pp 31-38, April-May 2011.	International	,ISSN-0974-1003				DOAJ, Scribd, Citeseer, getCited, Open J-Gate, Google scholar
62	Dr.S.S. Sherekar	“Structural design and techniques of client-server for 3D visualization on mobile devices”	ICACM- Jan 2012.	International	ISBN No. 978-81-921768-0-2,				
63	Dr.S.S. Sherekar	Mobile based tools and techniques for 3D visualization”	International Journal of Computer Applications, New York, Dec.2011.	International	ISSN-0975-8887	0.4522			Google scholar beta, Proquest, EBSCO, Informatics, NASA ads,
64	Dr.S.S. Sherekar	“Technical Analysis of Remote 3D Visualization on Mobile Devices”	International Journal of Computer Science and Information Technology (IJCSIT), AIRCC, vol 3, no. 6, pp 99-118, Dec. 2011.	International	ISSN-0975-4660	2.93			DOAJ, Google scholar beta, Index copernicus, open J-Gate, Cabell Publishing Inc.
65	Dr.S.S.	“Compression	Int. Journal of	International	ISSN-	0.4522			Google

	Sherekar	Techniques for Remote Visualization on Mobile Platforms, pp 37-41.	Computer Applications, New York, Jan. 2012.	onal	0975-8887				scholar beta, Proquest, EBSCO, Informatics, NASA ads,
66	Dr.S.S. Sherekar	, “Towards Retrieval of Human Face from video database: A Novel Framework”,	Int. Journal of Information Systems & communication, vol. 3, issue1, pp 154-157, Jan 2012.	Internati onal	ISSN:0976-8742	4.57			Ulrich directory, Academic Resource s, Index Copurnic us,
67	Dr.S.S. Sherekar	“Empirical Analysis of Human Face Retrieval from Video Database”	ICACM- Jan-2012	Internati onal	ISBN No. 978-81-921768-0-2				peer reviewed
68	Dr.S.S. Sherekar	“Methodology for Human Face Retrieval from Video Sequences Based on Holistic Approach”, pp 47-51.	Int. Journal of Computer Applications, New York, pp 47-51, Jan 2012.	Internati onal	ISSN-0975-8887	0.4522			Google scholar beta, Proquest, EBSCO, Informatics, NASA ads,
69	Dr.S.S. Sherekar	“Exploring Competitive Intelligence by Extracting Frequent pattern of Data Mining in Mobile Computing Environment” pp 118-122	International Journal of Computer Applications, New York, pp 118-122, Jan 2012.	Internati onal	ISSN-0975-8887	0.4522			Google scholar beta, Proquest, EBSCO, Informatics, NASA ads,
70	Dr.S.S. Sherekar	“Data Mining Approaches For Network Intrusion Detection System”	International Journal of Computer Technology and Electronics Engineering (IJCTEE), vol. 2, issue 1, pg. no. 41-44, Dec. 2011.	Internati onal	ISSN-2249-6343				UK Index, Google, Yahoo, Entire Web, Amphibi a, Tower search

71	Dr.S.S. Sherekar	“An Interactive Approach for Local and Remote 3D Visualization on Mobile Devices”	International Journal of Computer Applications, New York, pp 48-53, Apr. 2012.	International	ISSN-0975-8887	0.4522			Google scholar beta, Proquest, EBSCO, Informatics, NASA ads,
72	Dr.S.S. Sherekar	Study Of Location Prediction Techniques For Mobile Devices In Wireless Network	International Journal of Computer Applications, New York, pp 78-80, Apr. 2012.	International	ISSN-0975-8887	0.4522			Google scholar beta, Proquest, EBSCO, Informatics, NASA ads,
73	Dr.S.S. Sherekar	Study of Intrusion Detection Techniques In MANET	International Journal of Computer Applications, New York, pp 81-85, Apr. 2012.	International	ISSN-0975-8887	0.4522			Google scholar beta, Proquest, EBSCO, Informatics, NASA ads,
74	Dr.S.S. Sherekar	“Measures used for Performance Analysis of Scheduling and Routing in Distributed Systems”	International Journal of Computer Applications, New York, pp 116-119, Apr. 2012.	International	ISSN-0975-8887	0.4522			Google scholar beta, Proquest, EBSCO, Informatics, NASA ads,
75	Dr.S.S. Sherekar	“Study of Biometric Data Processing by Hadoop”	International Journal of Computer Applications, New York, pp 178-183, Apr. 2012.	International	ISSN-0975-8887	0.4522			Google scholar beta, Proquest, EBSCO, Informatics, NASA ads,
76	Dr.S.S. Sherekar	“A Novel Method of Implementation of Private Cloud using Eucalyptus”	International Journal of Computer Applications, New York, pp 314-317, Apr. 2012.	International	ISSN-0975-8887	0.4522			Google scholar beta, Proquest, EBSCO, Informatics,

									NASA ads,
77	Dr.S.S. Sherekar	“A Novel Algorithm for Automatic Human Face Retrieval in Video”	International Journal of Computer Applications, New York, pp 339-343, Apr. 2012.	International	ISSN-0975-8887	0.4522			Google scholar beta, Proquest, EBSCO, Informatics, NASA ads,
78	Dr.V.M. Thakare	“Attacks & countermeasures on digital watermarks: classification, implications & benchmarks”, pg. no. 59-66	IJCSA Yr 2010-11	International	ISSN No. 0974-1003				
79	Dr.V.M. Thakare	“Critical analysis of dynamic resource management for distributed system”, pg. no. 196-204	IJ-CA-ETS Yr 2010-11	International	ISSN No. 0974-3596				
80	Dr.V.M. Thakare	“Analysis of information visualization techniques for abstract data on mobile devices”, pg. no. 32-39	IJCSA Yr 2010-11	International	ISSN No. 0974-1003				
81	Dr.V.M. Thakare	Computing the most significant solution from Pareto front obtained in multi objective EA	International forum of Advanced computer Science & Application	International	ISSN 2156-3570				
82	Dr.V.M. Thakare	An Approach fir Scheduling & Maintenance of materialized view in DWH	AES journal in Engineering, Management & Science Yr 2010-11	International	ISSN 975-6698				
83	Dr.V.M. Thakare	Congestion Control: Myths & Truths	International journal of Computer Application in Engineering, Technology & Science, Yr	International	ISSN 0974-3596				

			2010-11						
84	Dr.V.M. Thakare	Multicast Congestion Control: A Survey	International journal of Engineering technology & Application in Engineering, Technology & Science, Yr 2010-11	International	ISSN 0974-3588				
85	Dr.V.M. Thakare	Congestion Control in high speed ATM Network	International journal of Computer Science & Application , Yr 2010-11	International	ISSN 974-1003				
86	Dr.V.M. Thakare	Congestion Management Scheme: one scheme for many	International journal of Computer Science & Application, Yr 2010-11	International	ISSN 974-1003				
87	Dr.V.M. Thakare	Materialised View Selection Approach using Tree based methodology	International journal of Engineering Science & technology, Yr 2010-11	International	ISSN 2156-3570				
88	Dr.V.M. Thakare	An Efficient Materialised View Selection Approach for query processing in database management	International journal of Computer Science & Network section, Yr 2010-11	International	ISSN 2156-3570				
89	Dr.S.S. Sherekar	“Attacks & countermeasures on digital watermarks: classification, implications & benchmarks” , pg. no. 59-66	IJCSA	International	ISSN No. 0974-1003				DOAJ, Scinded, Citeseer , getCited , Open J-Gate, Google scholar
90	Dr.S.S. Sherekar	“Critical analysis of dynamic resource management for	IJ-CA-ETS	International	ISSN No. 0974-3596	GIF= 1.9908			



		distributed system”, pg. no. 196-204				SIF= 3.248			
91	Dr.S.S. Sherekar	“Analysis of information visualization techniques for abstract data on mobile devices”, pg. no. 32-39	IJCSA	International	ISSN No. 0974-1003				DOAJ, Scribd, Citeseer, getCited, Open J-Gate, Google scholar

**22.2 Books Written/ Edited:**

Nil

**22.3 Monographs/ Chapters in Book/s Written/Edited:**

Nil

**22.4 Publications in Conference/Seminar Proceedings:**

S. N.	Name of Authors	Title of Paper	Name of the Conference/Seminar/Workshop	Status National/ International	ISSN/ ISBN No (if any)	Name of Organizing Agency	Duration and Date	Volume and Page No. of Proceedings
1	Mrs A S Jaiswal	Analysis of Performance Related Issues Of Cloudlet in Mobile Computing.	2 <sup>nd</sup> International Conference on “Emerging Trends in Computer Science ,Comm. & IT” CSCIT 2015	International	ISBN 978-81-923487-1-1	Yeshwant Mahavidyalaya, Deptt of CS &IT	3 days, Feb 9-11, 2015	Pg 246-250, vol:
2.	S.R. Kalmegh	“Effective Evaluation of Classification of Indigenous News Using Decision Table and OneR Algorithm”	International Journal of Advanced Information Science and Technology (IJAIST)	International	ISSN: 2319-2682, Vol.26, No.26, (June 2014)			
3.	S.R. Kalmegh	“Categorical Identification of Indian News Using J48 and Ridor Algorithm”	International Refereed Journal of Engineering and Science (IRJES)	International	ISSN (Online) 2319-183X, (Print)			

					2319-1821, Volume 3, Issue 6 (June 2014)			
4	S.R. Kalmegh	Successful Assessment of Categorization of Indian News Using JRip and NNge Algorithm Sushilkumar. R. Kalmegh	International Journal of Emerging Technology and Advanced Engineering. (ISSN 2250-2459) (An ISO 9001:2008 Certified Journal) Volume 4, Issue 12, pp 395-402	International			Dec 2014	
5	Dr.S.R. Kalmegh	Effective Evaluation of Classification of Indian News Using Various Data Mining Algorithm Sushilkumar Rameshpant Kalmegh	IJISSET - International Journal of Innovative Science, Engineering & Technology, (ISSN 2348-7968) Vol. 1 Issue 9 pp 541-553	International			Nov 2014	
6	Dr.S.S. Sherekar	“Critical Analysis of Adaptive Video Streaming Over Cloud”	International Conf on CSCIT 2015“ Emerging Trends In Computer Sci, Comm. & IT	International	ISBN: 978-81-923487-1-1	Dept. Of Comp. Sci& IT YashvantMaha. Nanded	9-11 Feb. 2015	
7	Dr.S.S. Sherekar	“Performance Evaluation Of Query Processing Optimization Tech. In Mobile Environment”	International Conf on CSCIT 2015“ Emerging Trends In Computer Sci, Comm. & IT	International	ISBN: 978-81-923487-1-1	Dept. Of Comp. Sci& IT YashvantMaha. Nanded	9-11 Feb. 2015	
9	Dr.S.S. Sherekar	“ Analysis Of Performance related issues of Cloudlet in Mobile Cloud Computing”	International Conf on CSCIT 2015“ Emerging Trends In Computer Sci, Comm. & IT	International	ISBN: 978-81-923487-1-1	Dept. Of Comp. Sci& IT YashvantMaha. Nanded	9-11 Feb. 2015	

10	Dr. S.R. Kalmegh	“Semantic e-Learning Methods : A Review”	3 <sup>rd</sup> International Conference on Electrical, Computer, Electronics and Biomedical Engineering (ICECEBE’ 2013), 26-27 January 2013, Hong Kong (China).	International				
11	Dr. S.R. Kalmegh	“Semantic Search Algorithms based on Page Rank and Ontology : A Review”	3 <sup>rd</sup> International Conference on Electrical, Computer, Electronics and Biomedical Engineering (ICECEBE’ 2013), 26-27 January 2013, Hong Kong (China).	International				
12	Dr. S.R. Kalmegh	“Comparative Analysis of Some Method For Semantic E-Learning”	National Conference on Recent Initiatives towards Green Electronics (NCRIGE-2013), 8-9 February 2013, Post Graduate Department of Electronics, Brijlal Biyani Science College, Amravati (Maharashtra).	National				
13	S.D. Pachpande, A.B.Manwar, R.D.Bhoyar, D.R.Solanke	GREEN COMPUTING: AN ECO-FRIENDLY COMPUTING APPROACH BY OPTIMIZED USE OF ELECTRONIC RESOURCES	National Conference on Recent Initiatives towards Green Electronics – 2013	National	ISBN 978-81-922256-9-2	Brijlal Biyani Science College, Amravati.	8-9 Feb 2013	Pages 480-483
14	Dr.S.S. Sherekar	“Detection And	International Conference On	International		IBSS (Gode Engineering	March 29-	

		Countermeasures of Phishing Attack”	Emerging Trends & Research in Engineering & Technology, IBSS (Gode Engineering College), Amravati.			College), Amravati.	30, 2014	
15	Dr.S.S. Sherekar	“Mobile Cloud Computing Based Forensic Analysis For Network Security Management System”	National Conference On Recent Advances In Electronics And Computer Science (NCRAECS – 2014), Nagpur. January 23-24, 2014	National		Shivaji Science college, Nagpur	January 23-24, 2014	
16	Dr.S.S. Sherekar	“Analysis of Multimedia Data Bases Security Techniques in Cloud Computing”	National Conference On Recent Advances in Electronics and Computer Science, Nagpur.	National		Shivaji Science college, Nagpur	January 23-24, 2014	
17	Dr.S.S. Sherekar	Real-Time opportunistic Scheduling for Residential Demand Response Using Price-Based Demand Response Management	7 <sup>th</sup> IETE IConRFW-2014 to held at HKBK College of Engg., Bangalore, Karnataka.	International		HKBK College of Engg., Bangalore, Karnataka.	8-10 May 2014	
18	Dr.S.S. Sherekar	“Enhancement of Data Integrity by Cluster auditing in cloud computing”	7 <sup>th</sup> IETE IConRFW-2014 to held at HKBK College of Engg., Bangalore, Karnataka. 8-10 May 2014.	International		HKBK College of Engg., Bangalore, Karnataka.	8-10 May 2014	
19	Dr.S.S. Sherekar	Novel Approach of	7 <sup>th</sup> IETE IConRFW-	International		HKBK College of	8-10 May	

		clustering Using Agglomerative & TKNN Algorithm for Email Data Classification	2014 to held at HKBK College of Engg., Bangalore, Karnataka.			Engg., Bangalore, Karnataka.	y2014	
20	Dr.S.S. Sherekar	An Efficient method for XML/SQL Query Processing based on Nested set Approach with twig join Algorithm	7 <sup>th</sup> IETE IConRFW- 2014 to held at HKBK College of Engg., Bangalore, Karnataka.	Internati onal		HKBK College of Engg., Bangalore, Karnataka.	8- 10Ma y2014	
21	Dr.S.S. Sherekar	“Enhancement of Image Segmentation by Hybrid approach based on C-means Clustering Technique”	7 <sup>th</sup> IETE Conference on Radio Frequency & Wireless (IConRFW-14), HKBK College of Engg., Bangalore	Internati onal		HKBK College of Engg., Bangalore	8- 10Ma y2014	
22	Dr.S.S. Sherekar	“Efficient Methodology for preventing Jamming Attacks in Computer Networks”	7 <sup>th</sup> IETE Conference on Radio Frequency & Wireless (IConRFW-14), HKBK College of Engg., Bangalore	Internati onal		HKBK College of Engg., Bangalore	8- 10Ma y2014	
23	Dr.S.S. Sherekar	“Mobile agents behavior and mobility with design pattern”	National Conference On Recent Advances in Electronics and Computer Science, Nagpur.	national		Shivaji Science college, Nagpur	Janua ry 23- 24, 2014	
24	Dr.V.M. Thakare	“Machine Learning Approaches for Detecting Intrusions in Network System”	National Conf. JDEIT, Yavatmal Nov-2012	National		JDEIT, Yavatmal		
25	Dr.V.M. Thakare	Novel 3D Visualisation Techniques for	National conf. on Innovative Paradigms in	National		S B Jain Institute of Technology,		

		Image Data on Mobile Devices	Engg. & Technology-2013			Management & Research		
26	Dr.V.M. Thakare	“Security in Routing Protocol for Mobile Ad Hoc Network”,	National conf. on Innovative Paradigms in Engg. & Technology-2013	National		S B Jain Institute of Technology, Management & Research		
27	Dr.V.M. Thakare	“Real Time Data Monitoring with Data Visualization on Mobile Devices”,	National conf. on Innovative Paradigms in Engg. & Technology-2013	National		S B Jain Institute of Technology, Management & Research		
28	Dr.V.M. Thakare	“Face Tracking Techniques using Features based Approach”	National conf. on Innovative Paradigms in Engg. & Technology-2013	National		S B Jain Institute of Technology, Management & Research		
29	Dr.V.M. Thakare	“Temporal Data Mining for Mobile Agent Behavior”	National conf. on Innovative Paradigms in Engg. & Technology-2013	National		S B Jain Institute of Technology, Management & Research		
30	Dr.V.M. Thakare	“Mobile Multimedia System Approach for Development of Mobile Applications & Services with Data Visualisation”	National Conf. on Advances in Computing & Networking(NC AICN-2013)	National		PRMITR, Badnera.		
31	Dr.V.M. Thakare	“Technical Analysis of Intrusion Detection in Routing Protocol for Mobile Ad Hoc Network”	National Conf. on Advances in Computing & Networking(NC AICN-2013)	National		PRMITR, Badnera.		
32	Dr.V.M. Thakare	“Interaction of Mobile Agents and Web Services”	National Conf. on Advances in Computing & Networking(NC AICN-2013)	National		PRMITR, Badnera.		
33	Dr.V.M.	Comparative	National Conf.	National		PRMITR,		

	Thakare	Study of Query Processing Architectures in Mobile Environment	on Advances in Computing & Networking(NC AICN-2013)			Badnera.		
34	Dr.V.M. Thakare	“Analytical Evaluation of Multi clue Face Retrieval Approach”	National Conf. on Advances in Computing & Networking(NC AICN-2013)	National		PRMITR, Badnera.		
35	Dr.V.M. Thakare	“Efficient, Generalized forensic framework for Extracting & Documentation of Evidence from Android Device.”	National conf. on Innovative Paradigms in Engg. & Technology-2013	National		S B Jain Institute of Technology, Management & Research		
36	Dr.V.M. Thakare	“The Survey of Metrics on Software quality Assurance & Reuse.”	National conf. on Innovative Paradigms in Engg. & Technology-2013	National		S B Jain Institute of Technology, Management & Research		
37	Dr.V.M. Thakare	“HCI Using Speech Hand Gesture”.	National conf. on Innovative Paradigms in Engg. & Technology-2013	National		S B Jain Institute of Technology, Management & Research		
38	H.S.Mahalle , Hemant Deshmukh, A.B.Manwar	SMART GRID IN DATA CLOUD CENTRES	National conference on recent initiatives towards green electronics-2013	National	978-81-922256-9-2	Brijlal Biyani Science College, Amravati	8,9 Feb 2013	PAGE 232-234
39	S.D. Pachpande, A.B.Manwar , R.D.Bhoyar, D.R.Solanke	Green Computing: An eco-friendly computing approach by optimized use of electronic resources	National conference on recent initiatives towards green electronics-2013	National	978-81-922256-9-2	Brijlal Biyani Science College, Amravati	8,9 Feb 2013	Page 480-483
40	D.R.Solanke , K.D.Chinchkhede, A.B.Manwar	DESIGN AND DEVELOPMENT OF DIRECT DIGITAL CONTROLLER FOR GHCC	National conference on recent initiatives towards green electronics-2013	National	978-81-922256-9-2	Brijlal Biyani Science College, Amravati	8,9 Feb 2013	

41	Dr.S.S. Sherekar	“Approaches of Mobile Computing Based Data Mining”	International Conf “IBSS-IETRET 2013”	International	“IBSS-IETRET 2013”		30-31 April 2013	pp. 712-720
42	Dr.V.M. Thakare	“Security Threats in Mobile Ad Hoc Network”	Proceedings of National Conference on Innovations & Trends in Computer and Communication Engg. (ITCCE-12) at MET, Nasik, pp 69-74, Feb 2012.	National				
43	Dr.V.M. Thakare	“Node Pocket Mining for Location Management in Mobile Computing and wireless Environment”	Proceedings of National Conference on Innovations & Trends in Computer and Communication Engg. (ITCCE-12) at MET, Nasik, pp 79-82, Feb 2012.	National				
44	Dr.V.M. Thakare	“Wireless Approach for 3D Visualisation on Mobile Devices”	Proceedings of National Conference on Innovations & Trends in Computer and Communication Engg. (ITCCE-12) at MET, Nasik, pp 89-92, Feb 2012	National				
45	Dr.V.M. Thakare	“Holistic (PCA)-template Based Face retrieval from Video Sequences”	Proceedings of National Conference on Innovations & Trends in Computer and Communication Engg. (ITCCE-12) at MET, Nasik, pp 113-117, Feb 2012	National				



46	Dr.V.M. Thakare	“Analysis of Scheduling Techniques in Distributed Systems”	Proceedings of National Conference on Innovations & Trends in Computer and Communication Engg. (ITCCE-12) at MET, Nasik, pp 135-139, Feb 2012	National				
47	Dr.V.M. Thakare	“Intelligent mobile device Location Management using Data Mining in Mobile Computing”	Proceedings of International Conf. on Emerging Research and Application, pp 227-234, ICERA-2012, GCE Jalgaon, 1-2 Mar -2012	International				
48	Dr.S.S. Sherekar	“Security Threats in Mobile Ad Hoc Network”	Proceedings of National Conference on Innovations & Trends in Computer and Communication Engg. (ITCCE-12) at MET, Nasik,	National	MET, Bhujbal Knowledge city, Nasik.		23-25 Feb 2012.	pp 69-74
49	Dr.S.S. Sherekar	“Node Pocket Mining for Location Management in Mobile Computing and wireless Environment”	Proceedings of National Conference on Innovations & Trends in Computer and Communication Engg. (ITCCE-12) at MET, Nasik,	National	MET, Bhujbal Knowledge city, Nasik.		23-25 Feb 2012.	pp 79-82
50	Dr.S.S. Sherekar	“Wireless Approach for 3D Visualisation on Mobile Devices”	Proceedings of National Conference on Innovations & Trends in Computer and Communication Engg. (ITCCE-12) at MET, Nasik,	National	MET, Bhujbal Knowledge city, Nasik.		23-25 Feb 2012	pp 89-92

51	Dr.S.S. Sherekar	“Holistic (PCA)-template Based Face retrieval from Video Sequences”	Proceedings of National Conference on Innovations & Trends in Computer and Communication Engg. (ITCCE-12) at MET, Nasik,	National	MET, Bhujba l Knowl edge city, Nasik.		23-25 Feb 2012	pp 113- 117
52	Dr.S.S. Sherekar	“Analysis of Scheduling Techniques in Distributed Systems”	Proceedings of National Conference on Innovations & Trends in Computer and Communication Engg. (ITCCE-12) at MET, Nasik,	National	MET, Bhujba l Knowl edge city, Nasik.		23-25 Feb 2012	pp 135- 139
53	Dr.S.S. Sherekar	“Intelligent mobile device Location Management using Data Mining in Mobile Computing”	Proceedings of International Conf. on Emerging Research and Application, ICERA-2012, GCE Jalgaon.	Internati onal	GCE, Jalgao n.		1-2 Mar - 2012	pp 227- 234
54	Dr.V.M. Thakare	“An Embedded Watermark Technique Approach in Audio with Present Practices & Future Trends for copyright Protection” pg no. 190-194	National Conference at Udgir	National				
55	Dr.V.M. Thakare	Papers Reviewed for International Conference	ICETET-10	Internati onal				
56	Dr.V.M. Thakare	Illumination Invariant Pre-processing Approach for the face recognition	ICCE710 13-14 Nov 2010 Jodhpur Institute of Engg. & Technology IEEE Chapter					

57	Dr.V.M. Thakare	A Comparative Study of Simulation Techniques for Analysing the performance of memory in multi processor Computer Architecture	ICOST 2011 13-15 Jan International Conference on Sunrise Technology at Dhule India	International				
58	Dr.V.M. Thakare	Simulator of Memory Parameters using multi processor parallel computer Architecture. Simulator MSIM	ICOST 2011 13-15 Jan International Conference on Sunrise Technology at Dhule India	International				
59	Dr.V.M. Thakare	“An Embedded Watermark Technique Approach in Audio with Present Practices & Future Trends for copyright Protection” pg no. 190-194	National Conf on Emerging Trends in Biological & Information Siences”, Udgir	National		Deptt of Computer Science & Biotech., Swami Vivekand Mahavidyal aya, Udgir		
60	Dr.V.M. Thakare	“Watermark Detection Techniques for resolving Rightful Ownerships of Digital Images”	National Conf on Emerging Trends in Computer Science & Information Technology”	National		Deptt of Computer Science & Engineering, Gwalior Engg. College,Gwalior		
61	Dr.V.M. Thakare	“Towards Retrieval of Human Face from video database: A Novel Framework” International conference	International Conference on Next Generation Communication and computing Systems	International		Institution of Engineers, Technocrats and Academicia ns Network		
62	Dr.V.M. Thakare	“Holistic (PCA)-template Based	National Conference on Innovations &	National		MET's Institution of Engineering,		

		Face retrieval from Video Sequences”	Trends in Computer and Communication Engg. (ITCCE-12) at MET, Nasik			Nasik		
63	Dr.S.S. Sherekar	“An Embedded Watermark Technique Approach in Audio with Present Practices & Future Trends for copyright Protection” pg	National Conference at Udgir	National		Swami Vivekanand Mahavidyalay, Udgir	4-5 March 2011	pg no. 190-194

## 23. Details of patents:

S. N.	Year	Name (s) of the Faculty Member	Type of Patent (National/International)	Status (Filed/Awarded)
1	2014-15	Dr.V.M.Thakare	National	Filed (3)

24. Areas of **consultancy** and income generated:

Nil

## 25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:

Nil

## 26. Faculty serving on

a) National committees b) International committees c) Editorial Boards d) any other (please specify):

- Dr. V M Thakare: National committees, Editorial Boards.

## 27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

➤ Faculties are motivated to attend Refresher/ Orientation/ Workshops/ Specialized Training Programmes/ Industrial Interaction to achieve excellence in teaching and research.

## 28. Student projects:

- Percentage of students who have done in-house projects including inter-departmental projects:
- Percentage of students doing projects in collaboration with other universities/ industry / institute:

S. N.	Year	% of Student on In-house Projects	% of Student on other than In-house Projects
1	2014-15	--	100%
2	2013-14	--	100%
3	2012-13	8.33%	91.77%
4	2011-12	--	100%
5	2010-11	--	100%

29. Awards / Recognitions received at the National and International level by

- Faculty
- Doctoral / Post Doctoral Fellows
- Students

S. N.	Year	Name of the Faculty <sup>1</sup> /Doctoral <sup>2</sup> / post Doctoral Fellow <sup>3</sup> /Student <sup>4</sup>	Award / Recognition	Conferring Organization	Level (National/International)
1	2013-14	Dr. V M thakare	Research Excellence Award	International Conference ICCCCCA-14 at Mauritius organised by ABS & ACI on 26 <sup>th</sup> May 2014	International

30. Conferences/Seminars/Workshops organized by Department:

S. N.	Name of the Conference/Seminar/ Workshop	Status National / International	Name of Chairman/Organizing Secretary/ Convenor	Funding Agency with Funds	Collaborators	Duration, Date and Venue
1	Microsoft App Fest	National	Dr. V. M. Thakare (Convenor)	Microsoft Inc.	Microsoft Inc.	26 Feb 2013

31. Code of ethics for research followed by the departments :

- a. Honesty and sincerity towards completion of research
- b. Equitable distribution of knowledge among the researchers.

## 32. Student profile programme-wise:

## M.Sc.(Computer Science)

Year	Admitted to First Year of the Course			Pass Percentage of Students	
	Boys	Girls	Total	Boys	Girls
2014-15	6	14	20	--	--
2013-14	4	16	20	75	81.25
2012-13	5	17	22	60	70.58
2011-12	6	13	19	50	76.52
2010-11	4	15	19	25	56

## MCA

Year	Admitted to First Year of the Course			Pass Percentage of Students	
	Boys	Girls	Total	Boys	Girls
2014-15	12	27	39	--	--
2013-14	14	37	51	78.57	83.78
2012-13	37	22	59	45.95	68.18
2011-12	37	23	60	59.46	95.65
2010-11	31	29	60	87.10	82.76

## ME

Year	Admitted to First Year of the Course			Pass Percentage of Students	
	Boys	Girls	Total	Boys	Girls
2014-15	11	19	30	--	--
2013-14	12	18	30	42.86	57.14
2012-13	12	18	30	8.33	5.55

## PGDCS

Year	Admitted to First Year of the Course			Pass Percentage of Students	
	Boys	Girls	Total	Boys	Girls
2014-15	2	0	2	--	--
2013-14	1	3	4	0	0
2012-13	16	14	30	50	78.57
2011-12	9	21	30	22.22	66.67
2010-11	10	20	30	50	35

## PGDEM

Year	Admitted to First Year of the Course			Pass Percentage of Students	
	Boys	Girls	Total	Boys	Girls
2014-15	2	0	2	--	--
2013-14	0	2	2	--	--
2012-13	3	0	3	--	--
2011-12	1	2	3	--	--
2010-11	1	2	3	--	--

## 33. Diversity of students

Name of the Programme	Year	Percentage of students from the same university	Percentage of students from other universities within the State	Percentage of students from Universities outside the State	Percentage of students from other countries
M.Sc. (Computer Science)	2014-15	80	20	0	0
	2013-14	90	10	0	0
	2012-13	100	0	0	0
	2011-12	89.47	10.53	0	0
	2010-11	94.74	5.26	0	0

Name of the Programme	Year	Percentage of students from the same university	Percentage of students from other universities within the State	Percentage of students from Universities outside the State	Percentage of students from other countries
MCA	2014-15	89.74	10.26	0	0
	2013-14	86.27	13.73	0	0
	2012-13	84.75	13.56	1.69	0
	2011-12	75	20	5	0
	2010-11	83.33	15	1.67	0

Name of the Programme	Year	Percentage of students from the same university	Percentage of students from other universities within the State	Percentage of students from Universities outside the State	Percentage of students from other countries
ME	2014-15	76.67	23.33	0	0
	2013-14	83.33	16.63	0	0
	2012-13	93.33	6.67	0	0

Name of the Programme	Year	Percentage of students from the same university	Percentage of students from other universities within the State	Percentage of students from Universities outside the State	Percentage of students from other countries
PGDCS	2014-15	60	20	20	0
	2013-14	75	25	0	0
	2012-13	100	0	0	0
	2011-12	100	0	0	0
	2010-11	93.33	6.67	0	0

Name of the Programme	Year	Percentage of students from the same university	Percentage of students from other universities within the State	Percentage of students from Universities outside the State	Percentage of students from other countries
PGDEM	2014-15	100	0	0	0
	2013-14	100	0	0	0
	2012-13	100	0	0	0
	2011-12	100	0	0	0
	2010-11	100	0	0	0

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

M.Sc.- SET/NET Qualified	-	06
MCA- SET/NET Qualified	-	02
M.Sc.- GATE Qualified	-	01
MCA – GATE Qualified	-	01

35. Student progression:

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	NA
PG to Ph.D.	5%
Ph.D. to Post-Doctoral	--
Employed	
Campus selection :	
2011-12 - 14	
2012-13 - 08	
2013-14 - 05	
Other than campus recruitment	
More than 90% from remaning	
Entrepreneurs –	about 5%



## 36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	80%
from other universities within the State	20%
from universities from other States from	0%
universities outside the country	0%

## 37. Number and Name of the faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

S. N.	Name of the Faculty	Year of Ph.D. Award
1	Dr.A.B.Manwar	2013
2	Dr.M.Atique	2009
3	Dr.S.R.Kalmegh	2015
4	Dr.S.S.Sherekar	2011

## 38. Present details of departmental infrastructural facilities with regard to :

- Library : 01( Departmental Library)
- Internet facilities for staff and students : All the Computers are connected with the Leased Line for the accessing the Internet.(Wired & Wireless)
- Total number of class rooms : 06
- Class rooms with ICT facility : 01
- Students' laboratories : 04
- Research laboratories : 01

## 39. List of doctoral, post-doctoral students and Research Associates :

## a) from the host institution/university

S. N.	Name	Doctoral/post-doctoral / Research Associate	Duration of Fellowship
			-
1	Dr. Mrs. S. S. Sherekar	Doctoral Research	-
2	Mr. M. P. Dhore	Doctoral Research	-
3	Mr. S. R. Kalmegh	Doctoral Research	-
4	Mr. Zafar Sheikh	Doctoral Research	-

\*- Registered fellows 4 for Two Years

\*- Registered for Department Research Laboratory More than 70

\*-Registered for UGC Lab 70 .

\*- No of Recognised Guide in department 40.

\*- Subjects – Computer Science, Computer Engg & Tech, Information Technology.

## b. from other institutions/universities

Nil

40. Number of post graduate students getting financial assistance from the university.  
Nil
41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.  
➤ YES, Through BOS, Faculty, Academic Council.
42. Does the department obtain feedback from
- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?  
Yes
  - Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?  
Yes
  - Alumni and employers on the programmes offered and how does the department utilize the feedback?  
Yes
43. List the **distinguished alumni** of the department with their designation and address

S. N.	Name	Designation	Address
1.	Ku. A.S.Vighe	Analyst	Syntel India Pvt. Ltd.,Pune
2.	S.S.Deshmukh	Analyst	Whirlpool India, Pune
3.	R.V.Chandak	Programmer	Symbol Informatics , Bangalore
4.	Ku.Jaya Tirupati	Programmer	American Express (I) pvt. Ltd, Gurgaon
5.	Mir Kasim Ali	Programmer	Persistent Systems, Pune
6.	Mr.S.Burri	Programmer	TCS,Pune
7.	Mr.A.V.Khandare	Programmer	Infonex Pvt. Ltd, Pune
8.	Mr.A.D.Nagdive	Programmer	Ace Infobahn , Nagpur
9.	Mr.Ashish A. Abraham	Programmer	Wipro Technologies , Bangalore
10.	Mr.S.R.Mohod	Programmer	TCS, Pune

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

S. N.	special lectures / workshops / seminar	Date
1.	One Day Workshop on Windows 8 and AppFest	26-02-13
2.	Technical Activities Computer Network Demo Software Demo Poster Presentation Other Competition	Sept 2014
3.	NS2(Network Services)	26-27 Sept, 2014

4.	“Saksham”- On behalf of GCOE, Amt under NMEICT Faculty development programme.	1 to 10 April 2014
5.	Expert Lecture Series By Microsoft	02-09-13
6.	Establishment of IEEE Student Branch	15 <sup>th</sup> May 2014
7.	HR Meet	19 <sup>th</sup> Feb 2014

45. List the teaching methods adopted by the faculty for different programmes.
- With the traditional Chalk & Talk method various different ICT Tools & technologies are used while teaching such as
- Power point Presentation
  - Open Book Test
  - Surprise Test
  - Assignment
  - Presentation Using Multimedia
  - Video Lectures from NPTEL.
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
- Through
- Skill Development Program
  - Personality Development Program
  - Technical Workshop
  - Aptitude Test
  - Open Book Test, Surprise Test , Class Test , Unit Test , Common Test
  - Seminars
  - Industrial Projects.
47. Highlight the participation of students and faculty in extension activities.
- Department conducting activities like “Tree Plantation” Every year within the university Campus area.
  - Department also participate in the activities like “Shramdan”.
  - NSS
  - Student Welfare Activities
48. Give details of “beyond syllabus scholarly activities” of the department.
- Department has a wall magazine which gives the details regarding the current technical developments in the filed of Computer Sciecne.
  - Guest lectures are organised which covers the latest updates in the technology.
  - Department conducting activities like “Tree Plantation” Every year within the university Campus area.
  - Department also participate in the activities like “Shramdan”.
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. :

No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Through UGC/AICTE Scheme (MODROB/ Innovative Scheme)
- Research Workshops and Seminars
- Doctoral Level Research
- Project / MiniProject / Industrial Projects
- Current Seminars by Students and External Experts ( Academics and Industry)
- New Knowledge is generated by using the Wall Magazine
- Workshops are conducted which cover the new technologies.
- Guest Lectures of the resource persons are frequently organised.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

**Strength :**

Reasonably good research track record,  
Sincere and devoted faculty,  
Skill Development vocational programs  
Extension Activities

**Weaknesses:**

- Inadequate infrastructure to meet out the growing needs of the teaching – learning,
- Inadequate Departmental library resources,
- Lack of modern amenities,

**Opportunities:**

The Department is running professional courses and in the era of computerization students have lot of opportunities in the academics, Industries, Skill Developments, Entrepreneurships development as well as research field.

- Good Placement
- Good Entrepreneurship Development
- Good exposure to Industrial Activities
- Good Exposure to Current projects & Seminar
- Research Involvement

**Challenges:**

Although it is a department running professional courses the main challenge is to cope up with the pace of technology which is rapidly changing.

52. **Future plans** of the department.

- Development of Special Research Laboratory.
- Extension of Existing Building
- Construction of New Class Rooms and Laboratories
- Availing Post Doctoral Research

## Evaluative Report of the Department

1. Name of the Department : **Physical Education**
2. Year of establishment : 1986
3. Is the Department part of a School/Faculty of the university?  
NA
4. Names of programmes offered : PG  
(UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., Diploma, P.G. Diploma, Certificate Courses, Advance Diploma etc.):

Level of the Programme	Name of the Programme	Duration	Intake capacity	Faculty
PG	M.P.Ed.	2 years	30	Education

5. Interdisciplinary programmes and departments involved  
Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc.  
Nil
7. Details of programmes discontinued, if any, with reasons  
NA
8. Examination System:
  - Semester Pattern
9. Participation of the department in the courses offered by other departments  
No
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/Others (specify)):

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	-	-
Associate Professor	1	-	-
Assistant Professor	2	2	2
Other (Specify)			

11. **Faculty profile** with name, qualification, designation, area of specialization, experience and research under guidance:

S. N.	Name	Qualification	Designation	Gender (M/F)	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 years
1	Dr. S. N. Behera	M.P.Ed., Ph.D.	Asstt. Prof.	M	Sports Medicine	29	12
2	Dr. T. S. Raut	M.P.Ed., Ph.D.	Asstt. Prof.	F	Sports Medicine	10	10

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:  
Nil

13. Percentage of classes taken by temporary faculty- programme wise information:

S. N.	Year	No. of CHB	% of classes taken
1	2014-15	6	55
2	2013-14	6	55
3	2012-13	6	55
4	2011-12	6	55
5	2010-11	6	55

14. Programme-wise Student Teacher Ratio (*include only permanent staff*) :

S. N.	Year	Student Teacher Ratio
1	2014-15	5
2	2013-14	4
3	2012-13	4
4	2011-12	4
5	2010-11	4

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

S. N.	Name of the Post	No. of Sanctioned Posts	No. of Filled Posts	No. of Vacant Posts
Nil				

16. Research thrust areas as recognized by major funding agencies:  
Nil
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:  
Nil
18. Inter-institutional collaborative projects and associated grants sanctioned:  
Nil
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants sanctioned:  
Nil
20. Research facility / centre :  
Details of Facilities and Major Equipments for Research (more than 1 Lac) available in the Department:  
Nil
21. Special research laboratories sponsored by / created by industry or corporate bodies  
Nil

22. Details of Publications:

22.1 Research Articles/Publication :

S. N.	Name of Authors	Title of Paper	Name of the Journal and Vol. No., Year, Page No.	Status National/ International	ISSN/IS BN No of Journal	Im pa ct Fa ct or	h- In de x	Cit atio n Ind ex	Listed in Interna tional Databa se
1.	Dr. S. N. Behera	"Relationship of anthropometric characteristics and kinematic variables with spiking of volleyball players"	Golden Research Thoughts, yr 2013-14		ISSN no.2231-5063.				
2.	Dr. T.S. Raut	Assessment of Visual Impact on Motor Performance of Spectilised Children.	International Educational E- Journal, yr 2013-14	Internati onal	ISSN 2277-2456				
3.	Dr. T.S. Raut	A study of Teaching Aptitude and Intelligence	Online International Interdisciplinary	Internati onal	ISSN 2349-9598				

		between various Professional Teaching Training courses.	Research Journal, Jan 2014, Vol. IV						
4	Dr. S. N. Behera	“Relationship of Anthropometric Characteristics and Kinematics Variables with Spiking of Volleyball Players”.	Journal of Education and Practice, May-2013, Vol. 4 No. 10,	International	ISSN-2222-1735				
5.	Dr. T.S. Raut	Relationship of Selected variables of physical fitness with gait characteristics of Sprinters	Osmania Journal of Physical Education, July 2012, Vol No.6, (Page no.80-85)	National	ISSN 0974-7109				
6.	Dr. T.S. Raut	Relationship between Skill performance and selected motor fitness variables of tribal women handball players	Indian Streams Research Journal, August 2012, Vol. 2 Issue VII, ( Page no. 25-28)	National	ISSN 2230-7850				
7.	Dr. T.S. Raut	A Comparative Study Of Finger Dexterity Of Students Studying In Various Professional Colleges Of Amravati University.	Journal Of Sports Glimpses, 2013, No.1, Vol. 01	National	ISSN 2278-5027				
8.	Dr. T.S. Raut	A Study Of Sports Participation of Various Type of Game Players	Furturistic Trends In Physical Education, 2013	National	ISBN 978-93-80144-63-4				
9.	Dr. S. N. Behera	“e-Learning in Physical Education” “Global Trends in Physical Education and Sports”.	Friends Publication, New Delhi-INDIA, 2012, Vol. 2 No. 6	International	ISBN-978-81-7216-334-1				
10.	Dr. S. N. Behera	“Causes Of Diminishing State And Status Of Research In Physical Education And Sports In Maharashtra-India”.	The 22nd Pan-Asian Congress of Sports and Physical Education, 2011-12	International	ISBN 978-1-84626-107-7.				
11.	Dr. T.S. Raut	Evaluation of Implementation of Psychomotor Development.	Research Link, Issue-91, Oct’2011, Vol.10, Page no.146-1482.	National	ISSN0973-1628				
12.	Dr. T.S. Raut	Effect of minor games on Physical fitness of school	Sportica, Dec-2011, Vol-2, Page no.1-4	National	ISSN 0977-0279				



		going children.							
13.	Dr. T.S. Raut	Comparative study of level of aspiration of girls and boys players of various age groups.	(Research Link, Issue-98, May'2012), Vol. XI(3), Page no.134-135	National	ISSN0973-1628				
14.	Dr. T.S. Raut	A Comparative study of finger dexterity of students studying in various professional colleges of Amravati University.	Journal of Sports Glimpses, May 2012, No.01 Vol-01, {page no.23-26}	National	ISSN 2278-5027				
15.	Dr. T.S. Raut	Comparative study of Biorhythms with various physical fitness component.	(Research Link, Issue-100, July 2012, Vol. XI(5), (Page no.120-122)	National	ISSN0973-1628				
16.	Dr. T.S. Raut	How fit you are at the age of 35: an evaluation of functional capacity.	Shodh Samiksha Aur Mulyankan, March 2010, Vol. 3 No. 5,	National	0974-2832				
17.	Dr. T.S. Raut	A Relative study of Somatotype of kabbadi players and their physical fitness.	Osmania journal of Physical Education, Jan'2011, Vol.5, Page no. 65-68	National	ISSN 0974-7109				

## 22.2 Books Written/ Edited:

Nil

## 22.3 Monographs/ Chapters in Book/s Written/Edited:

Nil

## 22.4 Publications in Conference/Seminar Proceedings:

S. N.	Name of Authors	Title of Paper	Name of the Conference/ Seminar/Workshop	Status National/ International	ISSN/ ISBN No (if any)	Name of Organizing Agency	Duration and Date	Volume and Page No. of Proceedings
1.	Dr. S. N. Behera	"Importance of Recreation And India Chapter Of World Recreation Educational Association In The Hi-Tech Indian Society".	2nd National Conference on "Physical Education"	National		Physical Education Foundation of India, New Delhi	29.08.2014	

2.	Dr. S. N. Behera	“Revival And Preservation Of Traditional Games And Sports Of India A High Concern And Need Of The Hour”.	24 <sup>th</sup> Pan Asian Sports and Physical Education Conference (PASPEC)	International		Visva Bharati, Shantiniketan	7-9 February, 2014	
3.	Dr. S. N. Behera	“Attitude Of Veteran Traditional Players Towards Preservation And Promotion Of Traditional Games, Recreation And Leisure Sports Of India”.	25 <sup>th</sup> Pan Asian Sports and Physical Education Conference (PASPEC)	International		Osmania University, Hyderabad	8-10 August, 2014	
4	Dr. S. N. Behera	“Health and Fitness: A Way of Life”.	1st National Conference on “Physical Education”	National		Physical Education Foundation of India, New Delhi	29.08. 2013	
5.	Dr. S. N. Behera	“Traditional Games, Current Recreation and Leisure Sports Culture of India-An Overview”	International Congress on Leisure Sports and Recreation	International		Beijing Normal University, Zhuhai, China.	10-13 January, 2013	
6.	Dr. S. N. Behera	Five Countries International Workshop on Leisure Sports and Recreation.	Leisure Sports and Recreation.	International		WREA at Seoul, Korea	20-24 June, 2013	
7.	Dr. T.S. Raut	System Approach of Management In Sports And Physical Education	National Conference on Physical Education	National	New Delhi ISBN -978-81-927686-0-1	IGIPE, New Delhi	29 <sup>th</sup> Aug 2013	40-43
8.	Dr. T.S. Raut	Use of Computer Technology to Enhance Research in Various Dimension of Physical Education	International Interdisciplinary Conference On Research in Behavioural Sci. The Road Ahead 2013	International	ISBN 976-81-923393-07	MBA Department, S.G.B. Amravati University	2 Days 2013	21-24

9.	Dr. S. N. Behera	“Legal Responsibilities Of The Person In-Charges For Inter-Collegiate Tournaments With Reference To FISU-AIU-Eligibility Criteria” and Chaired a Session.	“Legal Aspects of Health-Fitness, Sports Injuries and Its Management”	National		LMM Arts, Commerce and Science College, Chandur, Amravati	18.09.2012	
10.	Dr. S. N. Behera	“Contribution of Allied Sciences for Improvement of Sports Performance with Reference To Sports Psychology”.	“Role of Sports Medicine and Allied Sciences for the Promotion of Sports”	National		organized by MU College of Commerce, Pune	8-10 October, 2012	
11	Dr. S. N. Behera	“Online Assessment Of Knowledge Of Information And Communication Technology Of M.P.Ed. Students”.	Physical Education, Recreation and Yogic Sciences	International		BHU, Varanasi	19-21 January 2012	
12	Dr. S. N. Behera	“Standardization Of Online Assessment Of Information And Communication Technology Of M.P.Ed. Students”	Global Innovations, Strategies, Policies In Physical Education, and Sports Sciences	International		Gurukul Kangri University, Haridwar	24-26 February 2012	
13	Dr. S. N. Behera	“Ethics in Sports for Good Human Resource Development”.	“Redefining Educational Objectives For Human Resource Development: A Futuristic Analysis”	International		Victoria College of Education, Bhopal	01.12.2012	
14	Dr. T.S. Raut	Attitude of different communities towards women sports participation.	Legal Aspect of health fitness Sports injuries and its management	National	ISBN 978-81-09640-7-4	LMM Artsm Commerce and Sci. College, Chandur Railway	18 Sep 2012	197-198

15	Dr. T.S. Raut	The best self defense technique is making girls and women physically & mentally strong	Importance of Marshal Arts in Today's Era	National	ISBN 978-81-23312-8-7	B.B. Arts, N.B. Sci. College, Digras.	27 Sep 2012	149-151
16	Dr. S.N Behera	“Global Trends in Challenges and Opportunities in e-Learning in Physical Education”.	“Global Trends in Physical Education and Sports”	National		S.K.R. College of Phy. Edu., Kharar, Mohali, Punjab	25-26 January, 2011	
17	Dr. S.N Behera	“Application of Different Statistical Techniques For Research in Sports Psychology”.	21st National Conference of Sports Psychology	National		Acharya Nagarjun University	7-9 February, 2011	
18	Dr. S.N Behera	“Assessment of Musculo-Skeletal Fitness—A Computerised Approach”	“Physical Fitness and Holistic Life”	National		P.N. Mahavidyalaya, Pusa	22 <sup>nd</sup> January 2011	
19.	Dr. S.N Behera	“Causes Of Diminishing State And Status Of Research In Physical Education And Sports In Maharashtra-India”.	22 <sup>nd</sup> International Conference of Pan-Asian Congress of Sports & Physical Education	International		Department of Sport Sciences, Tsinghua University, Beijing, China	July 22-24, 2011	
20.	Dr. T.S. Raut	Develop personality of sportsman through yoga.	state level inter-disciplinary conference.	National	ISBN 978-81-09640-8-1	state level inter-disciplinary conference.	6 March 2012.	268-269
21.	Dr. T.S. Raut	Women rights in equality sports.	Human rights; implication and complication.	International	ISSN 978-81-89839-56-7	international interdisciplinary conference on 'Human rights; implication and complication.	16&17 March 2012.	A-110-111
22.	Dr. T.S. Raut	Empowerment of women employees through Health & fitness	Current trends in education, physical education and sports	National	ISBN 0977-0277	Current trends in education, physical education and sports	13 March 2011	775-778

23.	Dr. T.S. Raut	Indian women participation in sports.	'Women empowerment'.	International	ISBN 978-81-22414-02	Two day international interdisciplinary conference on 'Women empowerment'.	25&26 Nov' 2011.	93-95.
24.	Dr. T.S. Raut	Attitude of different communities towards women sports participation.	Legal Aspect of health fitness Sports injuries and its management	National	ISBN 978-81-09640-7-4	Legal Aspect of health fitness Sports injuries and its management	18 Sep 2012	197-198
25.	Dr. T.S. Raut	The best self defense technique is making girls and women physically & mentally strong	Importance of Marshal Arts in Today's Era	National	ISBN 978-81-23312-8-7	Importance of Marshal Arts in Today's Era	27 Sep 2012	149-151
26.	Dr. T.S. Raut	A study of pre & post comparative anxiety level of basketball players at various level of competition	National conference of sports psychology on	International	ISBN 978-81-25323-0-1	Ambedkar College, Nagpur	12-13 Dec 2012	18-20

23. Details of Patents :

Nil

24. Areas of consultancy and income generated:

Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

S. N.	Year	Name of the Faculty	Name of the Laboratory / Institute / Industry visited	Status (National/International)	Duration
	2013-14	Dr. S. N. Behera	WREA-South Korea	International	Six days

26. Faculty serving on  
 a) National committees b) International committees c) Editorial Boards d) any other (please specify)

S. N.	Year	Name of the Faculty	National Committees/ International Committees/	Organization	Acted as Member / Chairman/ Secretary/
1	2014-15	Dr. S. N. Behera	NAAC Peer Team	NAAC	Member Coordinator
2	2013-14				
3	2012-13				
4	2011-12				
5	2010-11				

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

➤ Faculties are motivated to attend Refresher/ Orientation/ Workshops/ Specialized Training Programmes/ Industrial Interaction to achieve excellence in teaching and research.

28. Student projects :

- Percentage of students who have done in-house projects including inter-departmental projects :
- Percentage of students doing projects in collaboration with other universities / industry / institute :

Nil

29. Awards / Recognitions received at the National and International level by

- Faculty
- Doctoral / Post Doctoral Fellows
- Students

Nil

30. **Conferences/Seminars/Workshops organized by Department:**

Sr. No.	Name of the Conference/Seminar/ Workshop	Status National/ International	Name of Chairman/Organizing Secretary/ Convenor	Funding Agency with Funds (if any)	Collaborators (if any)	Duration, Date and Venue
1.	“Videographic Technique On Sports Motion Analysis”	National Workshop	Dr. S. N. Behera			3-5 March 2014 by PG Dept. of Physical Education Amravati Univ., Amravati.
2.	“Leadership Training and Job Opportunities In Recreational Sports At Global Level”	International Conference	Dr. S. N. Behera			21-22 March 2014 by PG Dept. of Physical Education Amravati University, Amravati.

3.	“Research In Recreational Activities, Leisure and Traditional Sports”	International Conference	Dr. S. N. Behera			25-26 March, 2013 by PG Dept. of Physical Education Amravati University, Amravati
4.	“Modernization of Research In Physical Education and Sports”	National Conference	Dr. S. N. Behera			PG Dept. of Physical Education Amravati University, Amravati during 08-09 March, 2010

31. Code of ethics for research followed by the departments :

- Honesty and Hard Work.
- Dedication towards purity in research.

32. Student profile programme-wise:

Year	Admitted to First Year of the Course			Pass Percentage of Students	
	Boys	Girls	Total	Boys	Girls
2014-15	10	12	22	--	--
2013-14	22	8	30	23.81	76.19
2012-13	26	4	30	86.36	13.64
2011-12	24	3	27	64.29	35.71
2010-11	20	5	25	90.48	9.52

33. Diversity of students

Name of the Programme	Year	Percentage of students from the same university	Percentage of students from other universities within the State	Percentage of students from Universities outside the State	Percentage of students from other countries
M.P.Ed.	2014-15	58.62	37.93	3.45	0
	2013-14	66.67	26.67	6.67	0
	2012-13	73.33	26.67	0	0
	2011-12	85.19	7.41	7.41	0
	2010-11	88	8	4	0

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

NII

35. Student progression:

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	16.67
PG to Ph.D.	6.66

Ph.D. to Post-Doctoral	00
Employed	
<input type="checkbox"/> Campus selection	---
<input type="checkbox"/> Other than campus recruitment	---
Entrepreneurs	---

36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	100
from other universities within the State	0
from universities from other States from	0
universities outside the country	0

37. Number and Name of the faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

Nil

38. Present details of departmental infrastructural facilities with regard to :

- Library : Not Available
- Internet facilities for staff and students : Present
- Total number of class rooms : 0
- Class rooms with ICT facility : 0
- Students' laboratories : 04
- Research laboratories: 0

39. List of doctoral, post-doctoral students and Research Associates :

- from the host institution/university  
Nil
- from other institutions/universities  
Nil

40. Number of post graduate students getting financial assistance from the university.  
Nil

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.  
No

42. Does the department obtain feedback from

- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?  
➤ By accepting the suggestions.
- Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?  
➤ By accepting the suggestions.



- iii. Alumni and employers on the programmes offered and how does the department utilize the feedback?

➤ By accepting the suggestions.

43. List the **distinguished alumni** of the department with their designation and address (maximum 10)

S. N.	Name	Designation and address
1	Dr. R.M. Kadam	Asso. Professor, Art, Sc. and Comm. College, Darawa-Yavatmal
2	Dr. Rakesh Gupta	Asso. Professor, IGIPESS, New Delhi
3	Sh. Fuzail Ahmed	Teaching Asstt., Aligh Muslim University, Aligarh
4	Dr. Manoj Kumar Prajapati	Principal, H.N. Mishra College of Education, Kanpur, UP
5	Dr. R.M. Ramteke	Principal, Darda College of Phy. Ed., Yavatmal.
6	Dr. Jugal Kishore	Asstt. Professor, Art College, Noida, UP.
7	Mrs. Anita Malge	Director of Sports, Govt. Xaviers College, Mumbai.
8	Dr. Maod. Akbar Ganaie	Asstt. Professor Govt. College, Srinagar, J & K.
9	Dr. Ajay Gulhane	Principal, Yuva Shakti College of Phy. Ed. Amravati
10	Dr. Akash More	Director of Sports, Yuva Shakti College of Arts and Science, Amravati

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

S. N.	Name of Activity	Date
1	National Conference On “Modernization of Research In Physical Education and Sports”.	08-09 March, 2010
2	International Conference On “Research In Recreational Activities, Leisure and Traditional Sports”.	25-26 March, 2013
3	National Workshop On “Videographic Technique On Sports Motion Analysis”	3-5 March 2014
4	International Conference On “Leadership Training and Job Opportunities In Recreational Sports At Global Level”	21-22 March 2014
5	Annual Seminar	Every Year in March.

45. List the teaching methods adopted by the faculty for different programmes.  
➤ Lecture Method, Demonstration Method, Project Method with ICT.
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?  
➤ By periodical evaluation.
47. Highlight the participation of students and faculty in extension activities.  
➤ Conducts Health and Fitness Programme every year in the month of January.
48. Give details of “beyond syllabus scholarly activities” of the department.  
➤ Conducts regular free coaching for NET and SET and also conducts examination on every Saturday at 7:00 to 8:00 hours.
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.  
Nil.
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.  
Nil
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths	Weaknesses, Opportunities and Challenges
Good Outdoor facilities.	Inadequate physical infrastructure
Well qualified staff.	Inadequate staff
Advanced Computers.	
Green Campus	
Student Centred Department	

52. **Future plans** of the department.
- Construction of additional class rooms.
  - Construction of Seminar Hall.
  - Establishment of Research Laboratory.
  - Construction of Water Tank for Maintenance of Grounds.

## Evaluative Report of the Department

1. Name of the Department : **Library & Information Science**
2. Year of establishment : 1987
3. Is the Department part of a School/Faculty of the university?  
NA
4. Names of programmes offered : PG  
(UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., Diploma, P.G. Diploma, Certificate Courses, Advance Diploma etc.):

Level of the Programme	Name of the Programme	Duration	Intake capacity	Faculty
UG	BLISc.	1 Year	30	Social Sciences
PG	MLISc.	1 Year	20	Social Sciences

5. Interdisciplinary programmes and departments involved  
NA
6. Courses in collaboration with other universities, industries, foreign institutions, etc.  
NA
7. Details of programmes discontinued, if any, with reasons  
NA
8. Examination System: Annual
9. Participation of the department in the courses offered by other departments  
No
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/Others (specify)):

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	-	-	-
Associate Professor	1	1	1
Assistant Professor	1	1	1
Other (Specify)	-	-	-

11. Faculty **profile** with name, qualification, designation, area of specialization, experience and research under guidance:

Year	Name	Qualification	Designation	Gender (M/F)	Specialization	No. of Years of Experience	No. of Ph.D. / M.Phil. students guided for the last 5 years
2010-15	Dr. V. P. Gudadhe	MLISc. Ph.D.	Associate Professor	F	Users study, Information technology application in Libraries	18	10
	Dr. R. D. Sarode	BSc. MLISc. SET, Ph.D.	Assistant Professor	M	IT, Library Management	10	–

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:  
Nil

13. Percentage of classes taken by temporary faculty- programme wise information:

S. N.	Year	No. of CHB	% of classes taken
1	2014-15	10	55.88
2	2013-14	10	55.88
3	2012-13	10	55.88
4	2011-12	10	61.76
5	2010-11	10	61.76

14. Programme-wise Student Teacher Ratio (*include only permanent staff*) :

S. N.	Year	Student Teacher Ratio
1	2014-15	20:1
2	2013-14	18:1
3	2012-13	20:1
4	2011-12	17:1
5	2010-11	20:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

Nil

16. Research thrust areas as recognized by major funding agencies:

➤ Library Management and Administration, Information Technology, Information Security, Data Techniques, DBMS, Data Mining etc.

17. **Number of faculty with ongoing projects** from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

S. N.	Name of Faculty (PI/Co-PI)	Title of Project	Funding Agency	Total Grants Sanctioned	Status National /International	Duration & Year of Sanction	Ongoing /Completed
1	Dr. Vaishali Gudadhe	Sources of Information for the backward and underdeveloped Tribal area of Melghat, Maharashtra	UGC	7,15,316/-	National	1/12/2011 to 31/01/2013 (Extension till 31/7/2013 (2011-12))	Completed
2	Dr. Ravindra D. Sarode	A study of the leadership behaviour of college librarians in Amravati district affiliated to Sant Gadge Baba Amravati University: in the context of Organizational Development	UGC	117500/-	National	18 Months (2012-13)	Completed

18. Inter-institutional collaborative projects and associated grants sanctioned :  
Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR,

AICTE, etc.; total grants sanctioned. :

Nil

20. Research facility/centre:

Details of Facilities and Major Equipments for Research (more than 1 Lac) available in the Department:

Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies

Nil

22. Details of Publications:

### 22.1 Research Articles/Publication :

S. N.	Name of Authors	Title of Paper	Name of the Journal and Vol. No., Year, Page No.	Status National / International	ISSN/ SBN No of Journal	Impact Factor	h-Index	Citation Index	Listed in International Database
<b>2014-15</b>									
1	DR. R. D. SARODE	Managing and Establishing E-resources in E-learning environment	Navjyot International Interdisciplinary Research Journal Vol-3 Issue-IV 2014 pp. 54-58	International	ISSN 2277-8063				
<b>2013-14</b>									
1	Dr. V. P. GUDAD HE	Application of WINISIS for Automation of Circulation System: A Practical Approach	E-Library Science Research Journal Vol.1, Issue.6/April. 2013	International	ISSN : 2319-8435	-	-	-	-
		Sources of Information of Agricultural and allied services for the underdeveloped and backward Tribal Area of Melghat, Maharashtra. pp.54-63.	Research Directions International Recognition Research Journal Vol 1(4), Oct 2013	International	ISSN: 2319-1899	-	-	-	-
		Sources of Information for Rural development in a Tribal area of Maharashtra	Journal of Research, Extension and Development A Peer Reviewed Journal An Interdisciplinary Monthly National Journal	National	ISSN: 2319-1899	-	-	-	-

			Vol 2 (2) October 2013. P. 102-107						
		Use and User Perception of E-Resources in SRC Ayurvedic Mahavidyalaya, Chikhli: A Study.	International Journal of Digital Library Services Vol 3 (4) Oct-Dec 2013. Page No. 47-58.	International	ISSN:- 2250-1142	-	-	-	-
		Application of Bradford's Law of Scattering to the Literature of Library & Information Science: A Study of Doctoral Theses Citations Submitted to the Universities of Maharashtra, India.	Library Philosophy and Practice (International e-Journal). 15 December 2013. Paper 1054.	International	ISSN:1 522-0222	-	-	-	-
		Use and User Perception of Ayurvedic Electronic Resources by Faculty Members: An Analytical Study	International Journal of Digital Library Services. Vol 4 (1) Jan-March 2014. Page No. 1-13	International	ISSN:2 250-1142	-	-	-	-
2	DR. R. D. SARODE	Marketing of Library Services in Modern Information Environment: Today's Need	New Interdisciplinary National Research Journal, Vol. 2 Issue: 2, pp. 34-38,	National	ISSN 2279-0349	-	-	-	-
<b>2012-13</b>									
1	Dr. V. P. GUDAD HE	Indigenous Knowledge Web Resources in India with Special Reference to Ayurvedic Resources Page No. 1-11	International Journal of Digital Library Services Vol 2(3), July-September, 2012	International	ISSN:2 250-1142	-	-	-	-
		Role of Information & Communication Technology in User's Satisfaction of Sant Gadge Baba Amravati Univ. Library, Amravati Page No. 153-157	Research Link(An International Journal)-105 Vol XI(10) December, 2012.	International	ISSN:0 973-1628	-	-	-	-
		Open Source Software Institution Repository: A Study with special reference to DSPACE Users in India Page No. 45-50	International Journal of Information Library & Society Vol2(1) January 2013	International	-	-	-	-	-

		Citation Use Pattern of Doctoral Theses of Library and Information Science of Sant Gadge Baba Amravati University Amravati	E-Library Science Research Journal Vol. (4) February 2013	International	ISSN : 2319-8435				
2	DR. R. D. SARODE	Cloud Computing Towards Green Libraries	New Interdisciplinary National Research Journal, Vol. 2 Issue: 1, pp. 60-65. October, 2012 to March, 2013	National	ISSN 2279-0349	-	-	-	-
<b>2011-12</b>									
1	DR. R. D. SARODE	Subject Knowledge of Engineering College Librarians' Affiliated to Sant Gadge Baba Amravati, University: A Survey	Information Age (A quarterly journal for Library & Information Science Professionals)	National	ISSN:0 973-7073	-	-	-	-
<b>2010-11</b>									
1	Dr. V. P. GUDADHE	Research Trends in LIS: Sant Gadge Baba Amravati University, Amravati p. 23-28	Information Age (A quarterly journal for Library & Information Science Professionals) Vol 4 (2) April to June 2010	International	ISSN:0 973-7073	-	-	-	-
2	DR. R. D. SARODE	Transformation in Academic Libraries Through Total Quality Management	Information Age (A quarterly journal for Library & Information Science Professionals) Vol. 4 (1) January-March 2010	National	ISSN:0 973-7073	-	-	-	-
		Research Trends in LIS: Sant Gadge Baba Amravati University, Amravati	Information Age (A quarterly journal for Library & Information Science Professionals) Vol. 4 (2) April to June 2010 p. 23-28	National	ISSN:0 973-7073	-	-	-	-

## 22.2 Books Written/ Edited:

S. N.	Name of Authors	Title of Book	Name of Publisher	ISSN/ISBN No.	No. of Pages	Acted as (Editor/ Author)
1	DR. V. P. GUDADHE (Gudadhe, Vaishali and Gudadhe Praful)	Sources of Information for backward and underdeveloped Tribal.	LAMBERT Academic Publishing. Germany, 2014,	ISBN: 978-3-659-59547-9.	304	Author



2	Dr. Mahendra Mete, Dr. Vaishali Choukhande (Gudadhe) and K. O. Mandgaonkar	Electronic services in libraries	Pimmlapure Book Publisher, Nagpur	ISBN: 978-81-921914-7-8		Editor
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## 22.3 Monographs/ Chapters in Book/s Written/Edited:

S. N.	Name of Authors	Title of Book	Title of Chapter	Name of Publisher	ISSN/ISBN No.	Page No.	Contributed As (Editor/ Author)
1.	Dr. Vaishali Choukhande (Gudadhe)	Electronic services in libraries	Electronic Services of Sant Gadgebaba Amravati University Library	Pimmlapure Book Publisher, Nagpur	ISBN: 978-81-921914-7-8	p.99-101.	Author

## 22.4 Publications in Conference/Seminar Proceedings:

S. N.	Name of Authors	Title of Paper	Name of the Conference/Seminar/Workshop	Status National/ International	ISSN/ISBN No (if any)	Name of Organizing Agency	Duration and Date	Volume and Page No. of Proceedings
<b>2014-15</b>								
1	DR. V. P. GUDADHE	Skills required in knowledge management : a survey of academic Libraries of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, M.S.	UGC Sponsored National Conference on “Innovative plan for professional development of College Librarians	National		Abasaheb Parvekar Mahavidyalaya, Yavatmal	19 <sup>th</sup> July 2014	
		Implementation of Total quality Management and six sigma to maintain quality in the institution: Need of the hour.	NAAC Sponsored National Seminar “Institutional Quality Improvement: Role of Governance, Leadership and management	National		organised by Shri Shivaji Science college, Nagpur		

		Management of Digital Library Resources with open Source: Boon to the Academic Libraries.	UGC National Conference on, 'Impact of IT on Academic Libraries in Digital Era'.	National	978-93-80876-67-2	Organized by M. G. Mahavidyalaya, Ahmedpur Dist: Latur	5 <sup>th</sup> - 6 <sup>th</sup> Sept. 2014	
		Digital Library Management: Transformation from traditional to Digital Library	UGC Sponsored National Seminar on "Changing role of Academic Libraries in Digital Era".	National		Organised by New Arts, Commerce and Science College, Wardha	20 <sup>th</sup> September 2014	
		Knowledge management perception in Academic Libraries	ICS DL-2014 International Conference on Sustainability of Digital Libraries"	International		Technological University, Kukatpally, Hyderabad Telangana	25 <sup>th</sup> - 27 <sup>th</sup> September 2014	
		Challenges in management of Digital Libraries	UGC Sponsored National Conference on Trends and challenges in Management of Academic Libraries in New Information Environment	National		Organised by Department of Library, Shri Shivaji Science college, Nagpur	29 <sup>th</sup> September 2014	
		Open Access Data Repositories in Sciences	UGC Sponsored National Conference on Libraries from Palm Leaf to Palm Tips	National	ISBN: 978-81-923727-0-9	Organised by Phulsingh Naik Mahavidyalaya, pusad in collaboration with Sant Gadge Baba Amravati University, Amravati	13-14 December 2014	7-10
2	DR. R.D. SARODE	Information Securities for Academic Libraries: Safety Measures for Avoiding Library Crime,	National Conference on, 'Libraries from Palm Leaf to Palm Tips',	National	ISBN: 978-81-923727-0-9	Phulsingh Naik Mahavidyalaya, Pusad in Collaboration with Sant Gadge Baba Amravati, University Amravati	13-14 December, 2014	Page No. 315-319
		E-journal Consortium in 21 <sup>st</sup> Century: A Best Practices	One Day National Seminar on, 'Best Practices	National	ISBN: 978-93-84451-	Organized by Shri Guru Biddhiswami Mahavidyalaya	21 <sup>st</sup> November, 2014	Page. No. 67-69

		for Libraries	in College Libraries'		32-5	ya, Purna (Jn.), Parbhani	2014	
		Initiatives of Cloud Computing Towards Green Libraries,	UGC Sponsored National Seminar on, 'Changing Role of Academic Libraries in Digital Era',	National		Organized by New Arts, Commerce & Science College Wardha	20 <sup>th</sup> Sept emb er 2014	Page No. 199
		A Transition of the paper based conventional library to digital library: Challenges for LIS Professionals	UGC National Conference on, 'Impact of IT on Academic Libraries in Digital Era'.	National	978-93-80876-67-2	Organized by M. G. Mahavidyala ya, Ahmedpur Dist: Latur	5 <sup>th</sup> - 6 <sup>th</sup> Sept. 2014	
<b>2013-14</b>								
1	DR. V. P. GUDADHE	Knowledge Management Centre: Role and Challenges	UGC Sponsored National Conference on Information Products and Services in the E-environment	National	ISBN 978-93-82163-13-18	organised by Department of Library & Information Science, Sri Venkateswara University, Tirupati	27-28 <sup>th</sup> April 2013	Page No. 363.
		Total Quality Management : The step towards excellence for Academic libraries	UGC Sponsored National Conference on "Innovations and Best practices in Library Administration	National	ISBN: 978-93-80876-41-2	organized by Vinayakrao Patil Mahavidyala ya, Vaijapur, Dist Aurangabad	22 & 23 Aug ust 2013	40-48
		Automation of College Libraries in Marathwada Region	UGC Sponsored National Conference on "Innovations and Best practices in Library Administration	National	ISBN: 978-93-80876-41-2	organized by Vinayakrao Patil Mahavidyala ya, Vaijapur, Dist Aurangabad	22 & 23 Aug ust 2013	Page No. 100-109
		Management of Newspaper clippings services in Newspaper Libraries	UGC Sponsored National Conference on "Innovations and Best practices in Library Administration	National	ISBN: 978-93-80876-41-2	organized by Vinayakrao Patil Mahavidyala ya, Vaijapur, Dist Aurangabad	22 & 23 Aug ust 2013	p.198-205
		Institutional Repositories: Boon to	Best practices for Quality Enhancement	National	ISBN: 978-81-	organized by Vasantrao Naik	27 <sup>th</sup> & 28 <sup>th</sup>	

		Learning Resource Centre	in higher education		7192-998-3	Government Institute of Arts & Social Sciences, Nagpur	September 2013	
		Total Quality Management in College Libraries.	UGC Sponsored National Conference on “Changing role of Academic Libraries in the Quality Enhancement in Higher Education” .	National	ISBN :978-81-926910-3-9	Organized by Rajarshi Shahu Mahavidyala ya, Latur	17 <sup>th</sup> & 18 <sup>th</sup> January 2014	Page No. 187-190
2012-13								
1	DR. V. P. GUDADHE	E-Learning support through E-Resources and services in University Libraries of Maharashtra.	UGC Sponsored National Conference on “Academic Libraries as Knowledge Hub in the New Millennium”	National	ISBN 978-93-81948-29-3	Organized by Shankarlal Khandelwal Arts, Science & Commerce College, Akola	27 <sup>th</sup> & 28 July 2012	11
		Management of E-resources in Paperless.	National Conference in Library & Information Science in collaboration with Library & Information Science Study Circle, Amravati. Library “Libraries – from Palm Leaf to Paperless”	National	ISBN 978-93-81-89002-11-2	Organized by Dr. Sau Kamaltai Gawai Institute of Engineering & Technology, KGIET, Darapur, District Amravati	13 <sup>th</sup> October 2012	Page No. 176
		Web Based Services in Library & Information Centre	UGC Sponsored Two day National Seminar on Building of e-Resources and e-services in Academic Libraries (BERESAL-2012),	National	ISBN 978-93-80745-45-9	Organized by Library & Information Centre, Nanded Education Society’s Science College, Nanded	2-3 November 2012	Page No. 145
2011-12								
1	DR. V. P. GUDADHE	“Growth of Information	Presented paper at Asia-		ISBN: 978-	Organised by University	22-24 <sup>th</sup>	

		Seeking Behaviour Research Literature (1969-2010): A Bibliometric Study”	Pacific Conference on Library and Information Education and Practice (A-LIEP 2011) held at Putrajaya, Malaysia		983-3286-01-0	Teknologi of MARA and Islamic University, Malaysia	June 2011	
		Library and Information System: Elective papers offered in LIS curriculum of Universities of Maharashtra.	LIS Education, Research and Training: Vision 2020 (100 years of LIS Education in India) IATLIS 2011 XXVIII National Conference	National	ISBN: 978-81-920456-1-0	organized by Department of Library and Information Science Gujarat University, Ahmadabad on	26-28 November 2011	p.481-487
		E-learning Support in Library & Information Science Education in Sant Gadge Baba Amravati University, Amravati.	UGC Sponsored National Conference, “Hundred Years of LIS Education in India: Future Perspectives	National	ISBN: 978-81-921914-6-1	” Organised by Department of Library and Information Science, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur	10 <sup>th</sup> January 2012	p. 305-315
		“Human Rights and Religious culture”	UGC Sponsored Two days national Interdisciplinary conference on “Human Rights: Concepts and Issues”	National	ISBN: 81-89002-08-2	Organised by G.S. Tompe Arts Commerce & Science College, Chandur Bazar	11 <sup>th</sup> & 12 <sup>th</sup> January 2012	p.61-64
2	DR. R.D. SARODE	Copyright in Digital Environment: The Doctrine of Fair Use	Proceeding of National Conference on Academic Libraries as Knowledge Hub in the New Millennium,	National	978-93-81948-29-3	Organized by S. K. Arts, Science & Commerce College, Akola	27 <sup>th</sup> to 28 <sup>th</sup> July, 2012	–
		Adoptive E-resources in Libraries for Visually Handicapped	Proceeding of National Seminar	National	ISBN 978-81-921914-7-8	Organized by Shri Shivaji Arts & Commerce College,	25 <sup>th</sup> February, 2012	

		Readers				Amravati in Collaboration with VLA & SGBALA		
		Knowledge and Skill Required for Library Professionals for Providing E-Services in Modern Era.	Proceeding of National Seminar	National	ISBN 978-81-921914-7-8	Organized by Shri Shivaji Arts & Commerce College, Amravati in Collaboration with VLA & SGBALA	25 <sup>th</sup> February, 2012	
<b>2010-11</b>								
1	DR. V. P. GUDADHE	Measuring Quality Services in College Libraries of Amravati City (Maharashtra)	National Seminar on "New Dimensions in Library Management"	National	978-93-80876-00-9	organized by Saraswati Bhuwan Education Society's college of Science in academic collaboration with Department of Library & Information Science, Dr Babasaheb Ambedkar Marathwada University	30 <sup>th</sup> & 31 <sup>st</sup> August, 2010	
		Communication Skills Enhancement for effective library services Part III (Theme paper)	UGC Sponsored National Seminar on "Innovative practices in Management of Library & Information Services	National		organized by B. P. National Institute of Social work, Nagpur	9 <sup>th</sup> & 10 <sup>th</sup> October 2010	
		Human Resource Development of Library Personnel in Academic Libraries of Amravati City.	UGC Sponsored One day National Conference Academic Librarianship in India in 21 <sup>st</sup> Century: Challenges & Opportunities	National	ISBN: 978-93-80986-03-6	organized by Deptt of Library & Information Science, Annasaheb Gundewar College, Nagpur	23 <sup>rd</sup> January 2011	p.72-73

2	DR. R.D. SARODE	Today's Leadership Skill in the context of Organizational Development: A survey of college Librarians' in Amravati City (MS)	National IASLIC XXVIII Conference	National	ISSN 09723 668	Organized by IASLIC XXVIII All India Conference, Allama Iqbal Library, University of Kashmir, Srinagar,	10-13 October, 2011	
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23. Details of patents :

Nil

24. Areas of consultancy and income generated

Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

Nil

26. Faculty serving on

a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Nil

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

➤ Faculties are motivated to attend Refresher/ Orientation/ Workshops/ Specialized Training Programmes/ Industrial Interaction to achieve excellence in teaching and research.

28. Student projects :

- **Percentage** of students who have done in-house projects including inter-departmental projects : 100% .
- **Percentage** of students doing projects in collaboration with other universities / industry / institute :

Nil

29. Awards / Recognitions received at the National and International level by

- Faculty
- Doctoral / Post Doctoral Fellows
- Students

Nil

30. Conferences/Seminars/Workshops organized by Department:

Nil

31. Code of ethics for research followed by the departments :

- Honesty and sincere efforts
- Purity in research.

## 32. Student profile programme-wise:

## BLISc.

Year	Admitted to First Year of the Course			Pass Percentage of Students	
	Boys	Girls	Total	Boys	Girls
2014-15	10	12	22	--	--
2013-14	1	15	16	100	68.75
2012-13	13	17	30	69.23	70.58
2011-12	12	7	19	75	57.14
2010-11	9	8	17	100	50

## MLISc

Year	Admitted to First Year of the Course			Pass Percentage of Students	
	Boys	Girls	Total	Boys	Girls
2014-15	3	15	18	--	--
2013-14	9	11	20	100	100
2012-13	12	8	20	58.33	75
2011-12	7	10	17	28.57	50
2010-11	4	15	19	50	66.66

## 33. Diversity of students

Name of the Programme	Year	Percentage of students from the same university	Percentage of students from other universities within the State	Percentage of students from Universities outside the State	Percentage of students from other countries
BLISc.	2014-15	95.45	4.55	0	0
	2013-14	87.50	12.50	0	0
	2012-13	96.67	3.33	0	0
	2011-12	78.95	15.79	0	0
	2010-11	100	0	0	0

Name of the Programme	Year	Percentage of students from the same university	Percentage of students from other universities within the State	Percentage of students from Universities outside the State	Percentage of students from other countries
MLISc.	2014-15	100	0	0	0
	2013-14	95	5	0	0
	2012-13	100	0	0	0
	2011-12	94.12	5.88	0	0
	2010-11	100	0	0	0



34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

S. N.	Name of the Student	Examinations	Passing Year
1	MR. N. S. KHADSE	SET & NET	2010
2	MR. P. B. BHOYAR	SET	2010
3	MR. S. S. KAMBLE	SET & NET	2012
4	MR. A. G. WAKODE	NET	2012
5	MR. P. S. WANKHADE	SET & NET	2013
6	MR. M. B. BHONGADE	SET & NET	2013
7	MR. V. S. PACHGADE	SET	2013

35. Student progression:

Student progression	Percentage against enrolled
UG to PG	80%
PG to M.Phil.	Nil
PG to Ph.D.	5%
Ph.D. to Post-Doctoral	Nil
Employed	
<input type="checkbox"/> Campus selection	Nil
<input type="checkbox"/> Other than campus recruitment	45%
Entrepreneurs	2%

36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	100%
from other universities within the State	-
from universities from other States from	-
universities outside the country	-

37. Number and Name of the faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

Year	Name of the faculty	Degree	University Name
2012	Dr. Ravindra D. Sarode	Ph. D.	Sant Gadge Baba Amravati University, Amravati

38. Present details of departmental infrastructural facilities with regard to :

- Library: Dr. PSG Kumar Research Library 283 Books
- Internet facilities for staff and students: 35 Computers with LAN, Internet Connectivity, Scanner and Printer

- c) Total number of class rooms: 02 (Two)
- d) Class rooms with ICT facility: 02
- e) Students' laboratories: 03
- f) Research laboratories: Nil
39. List of doctoral, post-doctoral students and Research Associates :
- a. from the host institution/university:  
Nil
- b. from other institutions/universities :  
Nil
40. Number of post graduate students getting financial assistance from the university.  
Nil
41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.  
No
42. Does the department obtain feedback from
- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?  
➤ Yes. Feedback received from the faculties is placed before the Departmental Committee to revise the curriculum and review draft is submitted to the Board of Studies for further action.
  - Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?  
➤ Students on staff – every academic year feedback is procured by the department and the results are communicated to the concern teachers individually. The feedback is taken into account at the time of teacher's self appraisal.
  - Alumni and employers on the programmes offered and how does the department utilize the feedback?  
➤ Feedback from Alumni are screened and valid suggestions are placed before the Departmental Committee for implementation.
43. List the **distinguished alumni** of the department with their designation and address

S. N.	Alumni Name	Designation	Organization/Address
1	Dr. V. P. Gudadhe	Associate Professor	Department of Library and Information Science, S. G. B. Amravati University, Amravati, 444 602 (MS)
2	Dr. Nilesh Gawande	Principal	Sakhar Kherda Dist: Buldhana
3	Dr. Ravindra D. Sarode	Assistant Professor	Department of Library and Information Science, S. G. B. Amravati University, Amravati, 444 602 (MS)
4	Dr. Ashish S. Raut	Librarian	Shri Shivaji Science College, Akola (MS)
5	Prof. Nilesh V. Gore	Librarian	Prof. Rajabhau Deshmukh Arts, &

			Commerce College Nandgaon Khandeshwar, Dist: Amravati
6	Dr. Vandana R. Khakare	Librarian	Shri Shivaji College of Education Amravati. (MS)
7	Mr. Anup Das	Research Assistant	IIT Khadagpur
8	Rushikesh Kuralkar	Librarian	Adharsha Mahavidyalaya Dhamangaon Rly. Dist: Amravati
9	Dr. Neeta Kene	Librarian	Shriram Kala Mahavidyalaya Dhamangaon Rly. Dist: Amravati
10	Dr. Sonali Deshmukh	Librarian	Shri Shivaji Agriculture College Amravati.

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

S. N.	Expert Name	Place	Date	Number of Students Benefited (BLISc & MLISc)
1	Dr. A. Vaishnav	Aurangabad	7/11/13	
2	Dr. Mallinath Kumbar	Mysore	28/2/2014	18
3	Dr. T. R. Borse	Jalgaon	1/7/14	22
4	Dr. Balekar	Aurangabad	17/11/14	13
5	Dr. Vinay Patil	Jalgaon	25/11/14	14
6	Dr. Shashank Sonwane	Aurangabad	2/2/15	26

45. List the teaching methods adopted by the faculty for different programmes:
- Lecture, Chalk & Board, Power-Point Presentation, and Group Discussion.
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
- By regular unit tests, assignments, surprise test, tutorials, papers on objectives questions, and counseling regarding examination pattern, writing skills, and preparation of exams.
47. Highlight the participation of students and faculty in extension activities.
- Shramdan activity in University Campus
  - Library Awareness Programmes
  - LIS Quiz Programmes
48. Give details of “beyond syllabus scholarly activities” of the department.
- Power Point Presentation on Recent topics
  - Poster presentation on emerging issues
  - News Displays on notice board

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details:

No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: Creation of bibliographical databases.

Nil

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

**Strengths:**

- Good Infrastructure and Information Resources
- Healthy environment for education
- Team Work
- Good Employability ratio
- Well Designed and updated curriculum

**Weakness:**

- Less Number of Permanent Faculty,
- Inadequate support staff,

**Opportunities:**

- In public libraries
- IT Sector/Corporate Sector
- Special Libraries
- Information Centre
- Documentation Centre

**Challenges:**

- Technological Changes
- Complex Job Nature

52. **Future plans** of the department.

- Choice Based Credit System
- Two years MLISC integrated course
- Inter-linking with libraries and institutions abroad

## Evaluative Report of the Department

1. Name of the Department : **Physics**
2. Year of establishment : 1990-91
3. Is the Department part of a School/Faculty of the university?  
NA
4. Names of programmes offered : PG  
(UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., Diploma, P.G. Diploma, Certificate Courses, Advance Diploma etc.):

Level of the Programme	Name of the Programme	Duration	Intake capacity	Faculty
PG	M.Sc.(Physics)	2 years	30	Science
Research	Ph.D. (Physics)	3-4 years	40+	Science

5. Interdisciplinary programmes and departments involved  
Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc.  
Nil
7. Details of programmes discontinued, if any, with reasons  
Nil
8. Examination System:
  - Semester Pattern
  - Choice Based Credit System
9. Participation of the department in the courses offered by other departments  
Yes. As per CBCS.
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/Others (specify)):

Teaching Posts	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	01	00	01
Associate Professor	01	01	00
Assistant Professor	03	03	03
Other (Specify)	02 (under UGC innv.)	00	00

11. **Faculty profile** with name, qualification, designation, area of specialization, experience and research under guidance:

S. N.	Name	Qualification	Designation	Gender (M/F)	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 years
1	Dr.S.K. Omanwar	M.Sc., Ph.D.	Professor & Head	M	Luminescence and its applications, Instrumentation	29+	03
2	Dr.B.H. Pawar	M.Sc., Ph.D.	Professor	M	Lasers and its applications	Rtd. on 31/5/2012	02
3	Dr.G.G. Muley	M.Sc., Ph.D.	Assistant Professor	M	Nonlinear optical materials and Biosensors	12+	01
4	Dr.S.A. Waghuley	M.Sc., Ph.D.	Assistant Professor	M	Nanocomposites, Gas sensors, Thin films	12+	02
5	Dr.K.M. Alti	M.Sc., Ph.D.	Assistant Professor	M	Photonics, Laser and its applications	09+	Nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors (*Except CHB*):  
Nil

13. Percentage of classes taken by temporary faculty- programme wise information:

S. N.	Year	No. of CHB	% of classes taken
1	2014-15	13	51
2	2013-14	11	51
3	2012-13	14	51
4	2011-12	13	50
5	2010-11	13	60

14. Programme-wise Student Teacher Ratio (*include only permanent staff*) :

S. N.	Year	Student Teacher Ratio
1	2014-15	13.75 : 1
2	2013-14	12.75 : 1
3	2012-13	12.75 : 1
4	2011-12	9.4 : 1
5	2010-11	13.5 : 1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

S. N.	Name of the Post	No. of Sanctioned Posts	No. of Filled Posts	No. of Vacant Posts
1	Lab Technician	01	01	00
2	Lab Attendant	02	02	00

16. Research thrust areas as recognized by major funding agencies:

➤ Luminescence materials, Lasers, Nanocomposites, Biosensors, NLO materials

17. **Number of faculty with ongoing projects** from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

S. N.	Name of Faculty (PI/Co-PI)	Title of Project	Funding Agency	Total Grants Sanctioned	Status National/ International	Duration & Year of Sanction	Ongoing/Completed
1	Dr. G. G. Muley	Design, growth and study of amino acid based semiorganic crystals for nonlinear optical applications	SERB, New Delhi	36.10	National	October 29, 2013-October 28, 2017 (2013-14)	Ongoing
2	Dr. G. G. Muley	Investigations on the Self Frequency Doubling Crystals for the Development of Lasers	SERB, New Delhi	16.53	National	August 29, 2013-August 28, 2016 (2013-14)	Ongoing
3	Dr. G. G. Muley	Design, Growth and Characterization of Nd Doped Oxyborate SFD Crystals for Laser Development	UGC, New Delhi	9.58	National	July 01 2012-June 30, 2015 (2012-13)	Ongoing
4	Dr. G. G. Muley	Development and Study of the Cladding Modified Fiber Optic Intrinsic Biosensors	DRDO, New Delhi	21.04	National	May 10, 2011-November 09, 2014	Ongoing /Completed
5	Dr.S.K.O manwar	Developing Higher sensitive better tissue	Major UGC, New	Rs. 7,29,300/-	National	3 years (2010-11)	Completed

		equivalent TLD Materials at Lower Cost	Delhi	37-332/2009(SR)			
6	Dr.S.A. Waghuley	Study of Gas Sensing Properties of Conducting Polymer Nanocomposites	UGC, New Delhi.	1.55 Lakhs	National	2 Yrs	Completed

18. Inter-institutional collaborative projects and associated grants sanctioned :

a) National collaboration: Nil

19. **Departmental projects** funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants sanctioned. :

Sr. No	Title of Project	Funding Agency	Total Grants Sanctioned	Duration & Year of Sanction	Status (Complete / Ongoing)
1	UGC Innovative Programme	UGC, New Delhi	57 Lakhs + 60 Lakhs (salary of two Assist Prof.)	05 years (2013-14)	Ongoing
2	DST-FIST Level-1	DST, New Delhi	36.00 Lakhs	05 years (2010-11)	Ongoing

20. Research facility / centre :

Details of Facilities and Major Equipments for Research (more than 1 Lac) available in the Department:

S. N.	Name of the equipment
1	Metler Electronic Analytical balance model AG-204
2	TL-OSL Research Reader Type:TL-1008
3	Cool Red Source HR-2000
4	I.R. Source
5	Canon-iR2525 Basic Digital Copier
6	Key Board Assembly Part No. 573040 Make CEM
7	Microwave Assing System Phonicx
8	Optical Bench
9	Refrigerator water recirculator Heat Disoperation suitable for Mini Desk water presser
10	Miniflex II Desktop X-Ray Diffractrometer Manu. Rikagu
11	50-860 MHz PLL Advance Antenna Trainer Kit ATS-A



12	Long life zenon Lamp part no. 250-1600 with powder sample cell and quarter plates, filter set
13	F-7000 Fluorescence Spectrophotometer with solid sample holder
14	Zeeman Effect Apparatus Model No. HO-ED-S-04A with Note book PC
15	Speckle Pattern Interferometer Mode:HO-ED-INT-15
16	Precession Interferometer SK059
17	LAB-HOSP High Temperature Laboratory Furnace
18	Insulation Resistance Meter Model:702A
19	Metler Electronic Analytical balance model AG-204 Density determination kit for solid and Application software for calculation
20	Cathode Ray Oscilloscope (HP-make) Model: HP-54600B

21. Special research laboratories sponsored by / created by industry or corporate bodies  
Nil

22. Details of Publications:

22.1 **Research Articles/Publication:**

S. K. Omanwar citations, h-index and i-index					
	Citations during the year	Cumulative at the end of year	h-index (no. of papers having at least same no. of citations in last five years)	i-index (no. of papers having at least 10 new citations in last five years)	Scopus data
2015	46	446	12	18	46
2014	153	400	12	18	32
2013	52	247	8	11	28
2012	55	195	7	10	21
2011	49	140	6	8	15

S. N.	Name of Authors	Title of Paper	Name of the Journal and Vol. No., Year, Page No.	Status National/ International	ISSN/ I SBN No of Journal	Impact Factor( if any)	h- Index	Citation Index	Listed in International Data base
1	K.A. Koparkar, N.S. Bajaj, S.K. Omanwar	Effect of partially replacement of Gd <sup>3+</sup> ions on fluorescence properties of YBO <sub>3</sub> :Eu <sup>3+</sup> phosphor synthesized via precipitation method	Optical Materials Volume 39 (2015) 74–80	International	0925-3467	2.075		1	Google Scholar

2	S.P. Bhagat, A.B. Gawande, S.K. Omanwar	Photoluminescence study of a novel UV emitting phosphor $\text{Sr}_2\text{Mg}(\text{BO}_3)_2:\text{Pb}^{2+}, \text{Gd}^{3+}$	Optical Materials Volume 40, (2015), Pages 36–40	International	0925-3467	2.075			Google Scholar
3	N.S. Bajaj, S.K. Omanwar	Dosimetric studies in combustion synthesized $\text{LiSr}_4(\text{BO}_3)_3:\text{Sm}(\text{III})$ under X-ray irradiation	Journal of the Chinese Advanced Materials Society, DOI:10.1080/22243682.2015.1004645	International	2224-3682				Google Scholar
4	A.B. Gawande, R.P. Sonekar, S.K. Omanwar	Luminescence improvement in $\text{Pr}^{3+}$ and $\text{Gd}^{3+}$ activated $\text{Sr}_2\text{Mg}(\text{BO}_3)_2$ inorganic phosphor	Materials Research Bulletin Volume 60, December 2014, Pages 285–291	International	0025-5408	1.968		1	Google Scholar
5	A.B. Gawande, R.P. Sonekar, S.K. Omanwar	Photoluminescence Properties of Combustion Synthesized $\text{BaB}_2\text{O}_4:\text{Pb}^{2+}$ Phosphor	Combustion Science and Technology Volume 186, 2014	International	0010-2202	1.232			Google Scholar
6	R.S. Palaspar, A.B. Gawande, R.P. Sonekar, S.K. Omanwar	Combustion synthesis and photoluminescence properties of a novel $\text{Eu}^{3+}$ doped lithium alumino-borate phosphor	Journal of Luminescence Volume 154, 2014, Pages 58–61	International	0022-2313	2.367			Google Scholar
7	N.S. Bajaj, S.K. Omanwar	$\text{Tb}^{3+}$ optical transitions in novel luminescence host $\text{NaAlO}_2$	Journal of Luminescence Volume 153, 2014, Pages 288–290		0022-2313	2.367		1	Google Scholar
8	J.T. Ingle, R.P. Sonekar, S.K. Omanwar, Yuhua Wang, Lei Zhao	Combustion synthesis and photoluminescence study of novel red phosphor $(\text{Y}_{1-x-y}\text{Gd}_x)\text{BaB}_9\text{O}_{16}:\text{Eu}^{3+}$ for display and lighting	Journal of Alloys and Compounds Volume 608, 25 2014, Pages 235–240		0925-8388	2.726		4	Google Scholar
9	N.S. Bajaj, S.K. Omanwar	Advances in synthesis and characterization of $\text{LiMgBO}_3:\text{Dy}^{3+}$	Optik - International Journal for		0030-4026	0.769		3	Google Scholar

			Light and Electron Optics Volume 125, Issue 15, August 2014, Pages 4077–4080						lar
10	N.S. Bajaj, S.K. Omanwar	Characterization and Syringe Method Synthesis of MF2: Eu (M=, Mg Ca)	International Journal of ChemTech Research, Vol.6, 2014, pp 3252-3255,		0974-4290				Goo gle Scho lar
11	K.A. Koparkar, N.S. Bajaj, S.K. Omanwar	Synthesis and Characterization of MgY <sub>2</sub> B <sub>2</sub> O <sub>7</sub> : Eu(III) phosphors	International Journal of ChemTech Research Vol.6, No.6, pp 3287-3290, 2014		0974-4290			2	Goo gle Scho lar
12	J.T. Ingle , R.P. Sonekar, S.K. Omanwar, Yuhua Wang, Lei Zhao	Combustion synthesis and luminescent properties of metal yttrium borates M <sub>3</sub> Y <sub>2</sub> (BO <sub>3</sub> ) <sub>4</sub> :Eu <sup>3+</sup> (M = Ba, Sr) for PDPs applications	Solid State Sciences Volume 33, July 2014, Pages 19–24		1293-2558	1.679		0	Goo gle Scho lar
13	C.B.palan,N.S. Bajaj,D.K.Kaul & S.K.Omanwar	Elementary Result TL & OSL properties of LiPO <sub>4</sub> :Tb <sup>3+</sup> phosphor	International Journal of Luminescence And Applications Volume 5, No.1, Feb. 2015 12-14	Internal	ISSN-2277-6362			0	Goo gle Scho lar
14	D.N.Game, N.B.Ingle and S.K.Omanwar	Synthesis and Photoluminescence Properties of Cerium Doped Strontium Sulfide	International Journal of Luminescence And Applications Volume 5, No.1, February 2015 29-30	Internal	ISSN-2277-6362			0	Goo gle Scho lar
15	R.S.Palaspagar, A.B.Gawande, R.P.Sonekar and	Preparation and Photoluminescence Properties of CaAl <sub>2</sub> B <sub>2</sub> O <sub>7</sub> :Sm <sup>3+</sup>	International Journal of Luminescence And	Internal	ISSN-2277-6362			0	Goo gle Scho lar

	S.K.Omanwar	Phosphor	Applications Volume 5, No.1, February 2015 94-96						
16	A.O.Chauhan, K.A.Koparkar, N.S.Bajaj & S.K.Omanwar	Synthesis And Down- Conversion Studies on $\text{Y}_2\text{O}_3:\text{Yb}^{3+}, \text{Bi}^{3+}$	International Journal of Luminescence And Applications Volume 5, No.1, February 2015 100-102	International	ISSN- 2277- 6362			0	Google Scholar
17	N.S.Sawala, K. Koparkar, & S.K.Omanwar	Down conversion in $\text{Tb}^{3+}, \text{Yb}^{3+}, \text{Co}$ -doped $\text{ZrO}_3$	International Journal of Luminescence And Applications Volume 5, No.1, February 2015 125-127	International	ISSN- 2277- 6362			0	Google Scholar
18	Koparkar, N.S.Bajaj & S.K.Omanwar	Synthesis and Luminescence Properties of $\text{Eu}^{3+}$ - doped $\text{SrY}_2\text{O}_3$ phosphor	International Journal of Luminescence And Applications Volume 5, No.1, February 2015 134-136	International	ISSN- 2277- 6362			0	Google Scholar
19	R.N. Wankhade, N.S. Bajaj*, V.B. Bhatkar and S.K. Omanwar	Novel preparation method and luminescent Properties of $\text{Eu}^{3+}$ - doped $\text{YbO}_3$ phosphor under Vuv excitation	International Journal of Science, Environment and Technology, Vol. 4, No 1, 2015, xx – xx	International	ISSN 2278- 3687 (O)			0	Google Scholar
20	R. N. Wankhade, N. S. Bajaj, G. V. Korpe, V. B. Bhatkar and	VUV PROPERTIES OF $\text{Eu}^{3+}$ - DOPED $\text{YBO}_3$ PHOSPHOR PREPARED VIA ALDO-KETO AND	JOURNAL OF ADVANCE S IN PHYSICS	International	ISSN 2347- 3487			0	Google Scholar

	S. K. Omanwar	SOLID-STATE PROCESS	Vol.7, No.31897-1905						
21	V.G. Pahunkar, Y.S. Tamgadge, A.B. Gambhire, G.G. Muley	Glucose oxidase immobilized PANI cladding modified fiber optic intrinsic biosensor for detection of glucose	Sensors and Actuators B 210 (2015) 362-368.	International	ISSN: 0925-4005	IF- 3.840 5Yr IF- 4.101			Yes
22	Y. S. Tamgadge, D. V. Atkare, M. A. Mahure, P. P. Gedam, G. G. Muley	Linear, Optical Studies of L-Arginine Surface Modified CuO Nanoparticles	Journal of Advances in Applied Sciences and Technology, 1 (2) (2014) 153-155	International	ISSN: 2393-8188	--			
23	V. T. Tagad, M. E. Navgire, G. G. Muley, B. Y. Pagare, S. K. Narwade, A. B. Gambhire	Synthesis, Characterization and Solar Photocatalytic Degradation of Phenol Using Doped TiO <sub>2</sub> Nanoparticles	Journal of Advances in Applied Sciences and Technology, 1 (2) (2014) 196-198	International	ISSN: 2393-8188	--			
24	V. G. Pahunkar, Y. S. Tamgadge, V. K Nagale, A. B. Gambhire, G. G. Muley	Cladding Modification With Pani-Sulphanilic Acid Composite For Fiber Optic Intrinsic Glucose Biosensor	Journal of Advances in Applied Sciences and Technology, 1 (2) (2014) 228-231	International	ISSN: 2393-8188	--			
25	M. Anis, G. G. Muley, G. Rabbani, M. D. Shirsat, S. S. Hussaini	Optical, photoconductivity, dielectric and thermal studies of l-arginine doped zinc thiourea chloride crystal for photonics applications	Materials Technology, DOI: <a href="http://dx.doi.org/10.1179/1753555714Y.0000000217">http://dx.doi.org/10.1179/1753555714Y.0000000217</a> Volume 30, Issue 3 (May 2015), pp. 129-133	International	Print ISSN: 1066-7857 Online ISSN: 1753-5557	IF- 0.746			
26	V.G. Pahunkar, Y.S. Tamgadge, A.B. Gambhire, G.G. Muley	“Evanescent wave absorption based polyaniline cladding modified fiber optic intrinsic biosensor for glucose sensing application	Measurement 61 (2015) 9–15	International	ISSN: 0263-2241	IF- 1.526			

27	S.S. Talwatkar, Y.S. Tamgadge, A.L. Sunatkari, A.B. Gambhire, G.G. Muley	Amino acids (L-arginine and L-alanine) passivated CdS nanoparticles: Synthesis of spherical hierarchical structure and nonlinear optical properties	Solid State Sciences 38 (2014) 42-48		ISSN: 1293-2558	IF- 1.679			
28	Vikas G. Pahurkar, Gajanan G. Muley	Sensitivity Study of Cladding Modified With Polyaniline Immobilised Glucose Oxidase Intrinsic Fiber Optic Glucose Biosensor	International Journal of ChemTech Research, Vol.6, No.6, pp 3325-3327		ISSN: 0974-4290				
29	Wankhade Pratik, M, Pahurkar Vikas G., Muley Gajanan G.	Mechanical, Electrical and Etching Study of Potassium Iodide Doped L-Threonine Single Crystal	International Journal of Chemical and Physical Sciences, Vol. 3 Sp. Issue– NCRTSM, 96-102.		ISSN:2 319-6602				
30	S. S. Talwatkar, A. L. Sunatkari, Y. S. Tamgadge, V. G. Pahurkar, G. G. Muley	Influence of $\text{Li}^+$ and $\text{Nd}^{3+}$ co-doping on structural and optical properties of L-arginine-passivated ZnS nanoparticles	Appl. Phys. A (2015) 118:675–682		ISSN: 0947-8396 (print version ) ISSN: 1432-0630 (electronic version )	IF- 1.694			
31	Mohd Anis, M. D. Shirsat, Gajanan Muley, S. S. Hussaini	Influence of formic acid on electrical, linear and nonlinear optical properties of potassium dihydrogen phosphate (KDP) crystals	Physica B 449(2014)61-66		ISSN: 0921-4526	IF- 1.276			
32	P. S. Ambhore, S. K. Devade, G. G. Muley	Crystal structure, optical transmission and SHG efficiency study on NaCl, KCl and $\text{SrCl}_2$ doped KDP crystals	Physical Science International Journal 4(10) 1340-1350, 2014.		ISSN: 2348-0130	--			

33	Y.S. Tamgadge, A.L. Sunatkari, S.S. Talwatkar, V.G. Pahurkar, G.G. Muley	“Linear and nonlinear optical properties of nanostructured Zn(1-x)Sr <sub>x</sub> O–PVA composite thin films	Optical Materials, <a href="http://dx.doi.org/10.1016/j.optmat.2014.04.036">http://dx.doi.org/10.1016/j.optmat.2014.04.036</a>		ISSN: 0925-3467	2.075			
34	K. R. Nemade, R. V. Barde, S. A. Waghuley		Ceramics International 41 (3) B (2015) 4836–4840.	International	ISSN: 0272-8842	2.110		0	Google Scholar
35	R. V. Barde, K. R. Nemade, S. A. Waghuley	AC CONDUCTIVITY AND DIELECTRIC RELAXATION IN V <sub>2</sub> O <sub>5</sub> -P <sub>2</sub> O <sub>5</sub> -B <sub>2</sub> O <sub>3</sub> GLASSES	Journal of Asian Ceramic Societies 3 (2015) 116–122.	International	ISSN: 2187-0764	Still Computing		0	Google Scholar
36	K. R. Nemade, S. A. Waghuley	CARBON DIOXIDE GAS SENSING BY Ag/TiO <sub>2</sub> COMPOSITES PREPARED BY SOLID STATE DIFFUSION AND CHEMICAL ROUTES	Journal of the Chinese Advanced Materials Society 3 (1) (2015) 9-16.	International	ISSN: 2224-3682	Still Computing		0	Google Scholar
37	P.B. Rathod, K.R. Nemade, S.A.Waghuley	STUDY OF STRUCTURE AND OPTICAL FOR CHEMICALLY SYNTHESIZED TITANIUM DIOXIDE NANOPARTICLES	International Journal of Chemical and Physical Sciences 4 (2015) 491-495.	International	ISSN:2 319-6602	3.799		0	Google Scholar
38	K. R. Nemade, S. A. Waghuley	LIQUEFIED PETROLEUM GAS SENSING APPLICATION OF ZNO QUANTUM DOTS LOADED GRAPHENE COMPOSITE	International Journal of Chemical and Physical Sciences 4 (2015) 251-254.	International	ISSN:2 319-6602	3.799		0	Google Scholar
39	K. R. Nemade, S. A. Waghuley	SYNTHESIS OF CeO <sub>2</sub> NANOPARTICLES USING FLAME ASSISTED SPRAY PYROLYSIS AND SOLID STATE DIFFUSION	Rare Metals 34(1) (2015) 6–11.	International	ISSN: 1001-0521 (print) ISSN: 1867-7185 (online)	0.493		0	Google Scholar

		ROUTES			)				
40	K. R. Nemade, R. V. Barde, S. A. Waghuley	COMPLEX OPTICAL STUDY OF $V_2O_5$ - $P_2O_5$ - $B_2O_3$ -GO GLASS SYSTEMS BY ULTRAVIOLET-VISIBLE SPECTROSCOPY	Optical Materials 40 (2015) 118–121.	International	ISSN: 0925-3467	2.075		0	Google Scholar
41	R. V. Barde, S. A. Waghuley	TRANSPORT PROPERTIES OF RARE EARTH $CeO_2$ DOPED PHOSPO VANADATE GLASS SYSTEMS	Journal of the Chinese Advanced Materials Society 2 (4) (2014) 273-283.	International	ISSN: 2224-3682	Still Computing		0	Google Scholar
42	K. R. Nemade, S. A. Waghuley	STUDY OF CERIUM DOPED POLYANILINE COMPOSITES FOR RESISTIVE TYPE $CO_2$ GAS DETECTION	Walailak Journal of Science and Technology 11(9) (2014) 763-767.	International	ISSN: 1686-3933 (Print) ISSN: 2228-835X (online)	0.108		0	Google Scholar
43	K. R. Nemade, S. A. Waghuley	PHOTOVOLTAIC PROPERTIES OF GRAPHENE- $TiO_2$ NANOCOMPOSITE	International Journal of ChemTech Research 6 (3) (2014) 2045-2047.	International	ISSN: 0974-4290	Still Computing		0	Google Scholar
44	S. R. Takpire, S. A. Waghuley	PHOTOVOLTAIC APPLICATION OF $Ti$ DOPED PANi-PTh COPOLYMER	International Journal of ChemTech Research 6 (3) (2014) 1830-1832.	International	ISSN: 0974-4290	Still Computing		0	Google Scholar
45	K. R. Nemade, S. A. Waghuley	HIGHLY RESPONSIVE CARBON DIOXIDE SENSING AT LOW OPERABLE TEMPERATURE BY CHEMICALLY SYNTHESIZED GRAPHENE/ $Al_2O_3$ QUANTUM DOTS COMPOSITES	Indian Journal of Physics 88(6) (2014) 577–583	International	ISSN: 0973-1458 (print) ISSN: 0974-9845 (online)	1.785		0	Google Scholar
46	K. R. Nemade, S. A. Waghuley	SYNTHESIS OF $MgO$ NANOPARTICLES BY SOLVENT MIXED SPRAY	International Journal of Metals (2014) Article ID	International	ISSN: 2356-704X	Still Computing		4	Google Scholar



		PYROLYSIS TECHNIQUE FOR OPTICAL INVESTIGATION	389416, 4 pages						
47	K. R. Nemade, S. A. Waghuley	PREPARATION OF $\text{MnO}_2$ IMMOBILIZED GRAPHENE NANOCOMPOSITE BY SOLID STATE DIFFUSION ROUTE FOR LPG SENSING	Journal of Luminescen ce, 153(2014)19 4–197.	Interna tional	ISSN: 0022- 2313	2.367		2	Goo gle Scho lar
48	K.A. Koparkar, N. S. Bajaj and S. K. Omanwar	A Potential Candidate for Lamp Phosphor: $\text{Eu}^{3+}$ Activated $\text{K}_2\text{Y}_2\text{B}_2\text{O}_7$ "	Advances in Optical Technologie s Volume March 2014, Article ID 706459, 5 pages Hindawi Publishing	Interna tional		0		0	Goo gle Scho lar
49	N.S. Bajaj, S.K. Omanwar	$\text{Tb}^{3+}$ Optical Transitions in Novel Luminescence Host $\text{NaAlO}_2$	Journal of Luminescen ce, Volume 153, March 2014, Pages 288-290	Interna tional		2.144		0	Goo gle Scho lar
50	A.B. Gawande, R.P. Sonekar, S.K. Omanwar	Synthesis and enhancement of luminescence intensity by co-doping of $\text{M}^{+}$ ( $\text{M} = \text{Li}, \text{Na}, \text{K}$ ) in $\text{Ce}^{3+}$ doped strontium haloborate	Optical Materials, Volume 36, Issue 7, On line Dec 2013, Pages 1143-1145	Interna tional		1.978			Goo gle Scho lar
51	N.S. Bajaj, S.K. Omanwar	Advances in Synthesis and Characterization of $\text{LiMgBO}_3:\text{Dy}^{3+}$	OPTIK International Journal for Light and Electron Optics February 2014	Interna tional		0.534			Goo gle Scho lar
52	A. B. Gawande, R. P. Sonekar, and S.K. Omanwar	Synthesis and Photoluminescence Study of $\text{Bi}^{3+}$ and $\text{Pb}^{2+}$ Activated $\text{Ca}_3(\text{BO}_3)_2$	International Journal of Optics Volume 2014 (2014), Article ID 418459, 6 pages <a href="http://dx.doi.">http://dx.doi.</a>	Interna tional		0		0	Goo gle Scho lar

			org/10.1155/2014/418459						
53	A. B. Gawande , R. P. Sonekar & S. K. Omanwar	Combustion Synthesis and Energy Transfer Mechanism of $\text{Bi}^{3+} \rightarrow \text{Gd}^{3+}$ and $\text{Pr}^{3+} \rightarrow \text{Gd}^{3+}$ in $\text{YBO}_3$	Combustion Science and Technology, Publisher: Taylor & Francis Informa Ltd London W1T 3JH, UK DOI: 10.1080/00102202.2013.878708	International		1.011			Google Scholar
54	A.B. Gawande, J.T. Ingle, R.P. Sonekar, S.K. Omanwar	Photoluminescence in $\text{Pb}^{2+}$ Activated $\text{SrB}_4\text{O}_7$ & $\text{SrB}_2\text{O}_4$ Phosphors	Journal of Luminescence, Volume 149, 2014, Pages 236–239 Available online 22 January 2014	International		2.144			Google Scholar
55	A.B. Gawande, R.P. Sonekar and S.K. Omanwar	Synthesis and PL Study of UV Emitting Phosphor $\text{KCa}_4(\text{BO}_3)_3:\text{Pb}^{2+}$	Journal of Luminescence Volume 149, 2014, Pages 200–203 Available online 22 January 2014	International		2.144			Google Scholar
56	D. Chikte (Awade) , S. K. Omanwar and S. V. Moharil,	Blue Emitting Phosphor For Solid State Lighting Application By Combustion Synthesis: $\text{KCaBO}_3:\text{Ce}^{3+}$	International Journal of Biosciences, Agriculture & Technology January 2014, Issue-2, Volume 1, PP-173-183	International		0			Google Scholar
57	S.T.Taide, N.B.Ingle, S.K.Omanwar	Optimization and Improvement in Photoluminescence of Rare earth activated Willemite salt	IOSR Journal of Applied Physics (IOSR-JAP)	International		0			Google Scholar

		(CaSO <sub>4</sub> : Eu <sup>2+</sup> ) Prepared by Co-precipitation Method.	, PP 04-06 February (2014)						
58	N.S.Bajaj and S.K.Omanwar	Combustion Synthesis and Luminescence Characteristics of NaSr <sub>4</sub> (BO <sub>3</sub> ) <sub>3</sub> : Tb <sup>3+</sup>	Journal of Luminescence (2014) Available online 22 January 2014, Vol 148, PP 169- 173	International		2.144			Google Scholar
59	V. P. Hedaoo, V. B. Bhatkar and S. K. Omanwar	Combustion Synthesis And Characterization Of Nanocrystalline Alkaline Earth Aluminate Sr <sub>4</sub> Al <sub>14</sub> F <sub>25</sub> :Re (Re = Eu, Dy, Sm)	International Journal of Nanoscience Vol. 12, No. 4 (2013) 1350023 World Scientific Publishing Company DOI: 10.1142/S02 19581X135 00233	International		2.56			Google Scholar
60	J.T. Ingle, A.B. Gawande, R.P. Sonekar, S.K. Omanwar, Yuhua Wang, Lei Zhao,	Combustion Synthesis and Optical Properties of Oxy-Borate Phosphors YCa <sub>4</sub> O(BO <sub>3</sub> ) <sub>3</sub> : RE <sup>3+</sup> (RE=Eu <sup>3+</sup> , Tb <sup>3+</sup> ) Under UV, VUV Excitation	Journal of Alloys and Compounds (2014) doi: <a href="http://dx.doi.org/10.1016/j.jallcom.2013.09.178">http://dx.doi.org/10.1016/j.jallcom.2013.09.178</a>	International		2.239		10	Google Scholar
61	Sadhana A. Sawant, Savita P. Somani, S. K. Omanwar, and Prakash R. Somani	Photocatalytic Degradation of Methylene Blue Dye in Distilled and Sea Water Using Indian Edible Chuna (Calcium Oxide/Hydroxide) as Photocatalyst	Advanced Science, Engineering and Medicine Vol. 6, pp. 1–4, 2014, doi:10.1166/ asem.2014.1 479 American Science Publishers USA	International		3.308		1	Google Scholar
62	Devayani Chikte(Awade Omanwar , S.	Blue Emitting KSCN: xCe Phosphor For Solid State Lighting	Journal of Luminescence 145 (2014) 729–	International		2.144		1	Google Scholar

	V. Moharil		732						
63	J. T. Ingle, R. P. Sonekar, S. K. Omanwar, Yuhua Wang <sup>4</sup> , Lei Zhao	Combustion Synthesis and VUV Photoluminescence Studies of Borate Host Phosphors YBO <sub>3</sub> : RE <sup>3+</sup> (RE=Eu <sup>3+</sup> , Tb <sup>3+</sup> ) for PDPs applications.	Combustion Science and Technology (2013) (Online)http://dx.doi.org/10.1080/00102202.2013.846332	International	ISSN 0010-2202 (Print), 1563-521X	1.011		0	Google Scholar
64	Sadhana A. Sawant, Ajinkya Nene, Savita P. Somani, S. K. Omanwar, Prakash R. Somani,	Simultaneous Waste Water Purification via Photocatalysis and Seed Germination	Green and Sustainable Chemistry, August 2013 Vol.3 (http://www.scirp.org/journal/gsc	International		0.672		0	Google Scholar
65	A. B. Gawande, R. P. Sonekar, and S. K. Omanwar	Synthesis & photoluminescence study of UV emitting borate phosphor Ca <sub>3</sub> B <sub>2</sub> O <sub>6</sub> :Pb <sup>2+</sup>	AIP Conf. Proc. 1536, 601 (2013); doi: 10.1063/1.4810370 Published by American Institute of Physics	International		3.820		4	Google Scholar
66	P. D. Belsare, S. V. Moharil, C. P. Joshi, and S. K. Omanwar	On the application of CaF <sub>2</sub> :Eu and SrF <sub>2</sub> :Eu phosphors in LED based phototherapy lamp	AIP Conf. Proc. 1536, 793 (2013); doi: 10.1063/1.4810466 Published by American Institute of Physics	International		3.820			Google Scholar
67	N. S. Bajaj and S. K. Omanwar	LEDs phosphor BaAl <sub>2</sub> O <sub>4</sub> : Sm prepared by solution combustion synthesis	AIP Conf. Proc. 1536, 803 (2013); doi: 10.1063/1.4810471 Published by American Institute of Physics	International		3.820		1	Google Scholar
68	R. S. Palaspar, R. P. Sonekar,	Novel inorganic borate host phosphor K <sub>2</sub> Al <sub>2</sub> B <sub>2</sub> O <sub>7</sub> :Dy <sup>3+</sup> for	AIP Conf. Proc. 1536, 807 (2013);	International		3.820		0	Google Scholar

	and S. K. Omanwar	LED based solid state lighting	doi: 10.1063/1.4810473 Published by American Institute of Physics						lar
69	J. T. Ingle, A. B. Gawande, R. P. Sonekar, P. A. Nagpure, and S. K. Omanwar	Synthesis and photoluminescence of inorganic borate host red emitting VUV phosphor $\text{YCaBO}_4:\text{Eu}^{3+}$	AIP Conf. Proc. 1536, 895 (2013); doi: 10.1063/1.4810517 Published by American Institute of Physics	International		3.820		4	Google Scholar
70	N. S. Bajaj and S. K. Omanwar	Thermoluminescence Study of $\text{SrB}_4\text{O}_7:\text{Cu}$ Phosphor Prepared by Combustion Synthesis	International Journal of Modern Physics, Vol. 22, (2013) Page-404-407, World Scientific Publishing. DOI: 10.1142/S2010194513010441	International		2.033		0	Google Scholar
71	Devyani Chikte-Awade, S.K Omanwar, SV Mohoril	Luminescence properties of Red Emitting Phosphor $\text{NaSrBO}_3:\text{Eu}^{3+}$ prepared with novel combustion synthesis method	Journal of Luminescence, ISSN: 0022-2313, Volume 142, October 2013, Pages 180-183 Imprint: NORTH-HOLLAND (IF-1.909)	International		1.909		0	Google Scholar
72	R.S. Palaspar, R.P.Sonekar, S.K.Omanwar	Photoluminescence properties of green emitting $\text{SrAl}_2\text{B}_2\text{O}_7:\text{Tb}^{3+}$ phosphor	IOSR Journal of Applied Physics (IOSR-JAP) e-ISSN: 2278-4861, PP 11-14	International				0	Google Scholar

73	PALASPAGA R.R.S., GAWANDE A.B. , SONEKAR R.P., OMANWAR S.K.	Eu <sup>3+</sup> Emission in Aluminum Borate Based Phosphor, CaAl <sub>2</sub> B <sub>2</sub> O <sub>7</sub>	International Journal of Chemical and Physical Sciences. ISSN:2319- 6602 Vol. 3 Special Issue – NCRTSM, April-2014	Interna tional				0	Goo gle Scho lar
74	R.S.Palaspagar , A.B.Gawande, R.P.Sonekar, S.K.Omanwar	Combustion synthesis and photoluminescence properties of a novel Eu <sup>3+</sup> doped lithium alumino-borate phosphor	Journal of Luminesc ence 154(201 4)58–61	Interna tional				0	Goo gle Scho lar
75	G. G. Muley, A. B. Naik, A. B. Gambhire	Investigation on intermolecular interaction in supersaturation state of cadmium sulphate mixed zinc tris- thioureasulphate solutions	Journal of Molecular and Engineering Materials 2:3 (2014) 1450002 -1 - 6		p- ISSN: 2251- 2373 o- ISSN: 2251- 2381				
76	Gajanan Muley, Pratiksha Labde, Anil Gambhire, Anil Naik	Novel Study on Determination of Crystal Growth Conditions for L- arginine Phosphate Monohydrate Crystal by Ultrasonic Velocity Measurement in Aqueous Solution of L-arginine and Phosphoric Acid	Analytical Chemistry Letters 4:2 (2014) 86- 92		p- ISSN 2229- 7928 o- ISSN 2230- 7532				
77	Mohd Anis, M.D.Shirsat, Gajanan Muley, S.S.Hussaini	Influence of formic acid on electrical, linear and nonlinear optical properties of potassium dihydrogen phosphate (KDP) crystals	Physica B 449 (2014) 61–66		ISSN: 0921- 4526	IF- 1.276			
78	R.R. Bhosale, S.R. Pujari, G.G. Muley, S.H. Patil, K.R. Patil, M.F. Shaikh, A.B. Gambhire	Solar photocatalytic degradation of methylene blue using doped TiO <sub>2</sub> nanoparticles	Solar Energy 103 (2014) 473– 479		ISSN: 0038- 092X	IF- 3.541			

79	Wankhade Pratik, M, Pahunkar Vikas G., Muley Gajanan G.	Mechanical, Electrical and Etching Study of Potassium Iodide Doped L-Threonine Single Crystal	International Journal of Chemical and Physical Sciences, 3 (2014) 96-102		ISSN:2 319-6602				
80	Y. S. Tamgadge, R. V. Salodkaro, S. B. Sawarkar, A. L. Sunatkari, G. G. Muley	Nonlinear absorption of L-arginine capped ZnO nano-suspension,	International Journal of Basic and Applied Research 04 (2014) 49-52.		p-ISSN: 2249-3352 e-ISSN: 2278-0505				
81	V. G. Pahunkar, G. G. Muley	Systematic study of variation of modal power distribution and intensity in cladding modified with conducting polymer optical fiber sensing element	International Journal of Basic and Applied Research, Special Issue (2014) 165-168		p-ISSN: 2249-3352 e-ISSN: 2278-0505				
82	A. B. Naik, M. L. Narwade, P. S. Bodakhe, and G. G. Muley	Molecular Interactions in Substituted Pyrimidines–Acetonitrile Solutions at 298.15–318.15K	Russian Journal of Physical Chemistry A, 88:1 (2014) 37–41.		p-ISSN: 0036-0244 o-ISSN: 1531-863X	IF-0.488			
83	A. L. Sunatkari, S. S. Talwatkar, Y. S. Tamgadge & G. G. Muley	Synthesis, Linear and Nonlinear Optical Properties of Ag/PVP Nanocomposite	International Journal of Nanotechnology and Application (IJNA) 3:5 (2013) 35-42.		p-ISSN: 2277-4777 o-ISSN: 2278-9391	IF-1.800			
84	G. G. Muley	Growth and characterization of pure and Cd doped zinc tris-thioureasulphate (ZTS) single crystals	Journal of Electronic Materials, 42:12 (2013)		ISSN 0361-5235	IF-1.675			
85	Pratik M. Wankhade, Gajanan G. Muley	Second Harmonic Generation, Thermal And Optical Study Of Potassium Iodide Doped L-Threonine Single Crystal	Journal of Nonlinear Optical Physics & Materials, 22:3 (2013) 1350031.		p-ISSN: 0218-8635 o-ISSN: 1793-	IF-0.48			

					6624				
86	Bhagwat R. Chavan, Vivek B. Kawade Madhav N. Rode and Gajanan G. Muley	Study on Effect of L-methionine Doping on SHG Properties of KDP Crystals	International Journal of Pure and Applied Physics, 9:2 (2013), 115-124.		p-ISSN 0973-1776				
87	Pratik M. Wankhade, Gajanan G. Muley	Study on effect of 1, 3-dimethyl urea doping on optical properties of L-arginine phosphate monohydrate (LAP) single crystal	Results in Physics 3 (2013) 97–102.		ISSN: 2211-3797				
88	Rajendra Bhosale, Sidram Pujari, Gajanan Muley, Bathuwell Pagare and Anil Gambhire	Visible-light-activated nanocomposite photocatalyst of Cr <sub>2</sub> O <sub>3</sub> /SnO <sub>2</sub>	Journal Of Nanostructure in Chemistry 2013, 3:46.		p-ISSN: 2008-9244 o-ISSN: 2193-8865				
89	K. R. Nemade, S. A. Waghuley	IN SITU SYNTHESIS OF GRAPHENE/TIN DIOXIDE QUANTUM DOT COMPOSITES FOR CHEMIREISTIVE HYDROCARBON GAS SENSING	Materials Science in Semiconductor Processing 24 (2014) 126-131.	International	ISSN: 1369-8001	1.761		0	Google Scholar
90	K. R. Nemade, S. A. Waghuley	OPTICAL AND GAS SENSING PROPERTIES OF CuO NANOPARTICLES GROWN BY SPRAY PYROLYSIS OF CUPRIC NITRATE SOLUTION	International Journal of Materials Science and Engineering 2 (1) (2014) 63-66.	International	ISSN: 2315-4527	Still Computing		0	Google Scholar
91	N.S.Wadatkar, S.A.Waghuley	DC ELECTRICAL CONDUCTIVITY OF CHEMICALLY SYNTHESIZED CONDUCTING POLYTHIOPHENE	International Journal of Researches in Biosciences, Agriculture & Technology 1 (2) (2014) 1131-1137.	International	ISSN: 2347-517x	Still Computing		0	Google Scholar
92	K. R. Nemade, S. A.	LOW TEMPERATURE	Ceramics International	International	ISSN: 0272-	2.110		4	Google



	Waghuley	SYNTHESIS OF SEMICONDUCTING $\alpha$ -Al <sub>2</sub> O <sub>3</sub> QUANTUM DOTS	40 (4) 6109–6113.		8842				Scho lar
93	N.S.Wadkar, S.A.Waghuley	STUDY OF SURFACE PLASMON RESONANCE IN CONDUCTING POLYINDOLE USING UV-Vis SPECTROSCOPY	International Journal of Basic And Applied Research, Sp. Issue (2014) 273-275.	Interna tional	ISSN: 2249-3352 (print) ISSN: 2278-0505 (online )	Still Compu ting		0	Goo gle Scho lar
94	R. V. Barde, N.D. Khandare, S. A. Waghuley	STUDY OF ION MOBILITY IN VANADO BORATE GLASS SYSTEM	International Journal of Basic And Applied Research, Sp. Issue (2014) 208-209.	Interna tional	ISSN: 2249-3352 (print) ISSN: 2278-0505 (online )	Still Compu ting		0	Goo gle Scho lar
95	K. R. Nemade, S. A. Waghuley	STRONG TO WEAK QUANTUM CONFINEMENT TRANSITION IN ZnO QUANTUM DOTS	International Journal of Basic And Applied Research, Sp. Issue (2014) 118-120.	Interna tional	ISSN: 2249-3352 (print) ISSN: 2278-0505 (online )	Still Compu ting		0	Goo gle Scho lar
96	K. R. Nemade, S. A. Waghuley	SPILL-OVER EFFECT INVESTIGATION IN TiO <sub>2</sub> QUANTUM DOTS ANCHORED GRAPHENE COMPOSITE FOR LPG SENSING	International Journal of Basic And Applied Research, Sp. Issue (2014) 16-20.	Interna tional	ISSN: 2249-3352 (print) ISSN: 2278-0505 (online )	Still Compu ting		0	Goo gle Scho lar
97	K. R. Nemade, S. A. Waghuley	ROLE OF DEFECTS CONCENTRATION ON OPTICAL AND CARBON DIOXIDE GAS SENSING PROPERTIES OF Sb <sub>2</sub> O <sub>3</sub> /GRAPHENE COMPOSITES	Optical Materials 36 (2014) 712–716.	Interna tional	ISSN: 0925-3467	2.075		5	Goo gle Scho lar
98	K. R. Nemade, S. A. Waghuley	LOW OPERABLE TEMPERATURE CHEMIREISTIVE GAS SENSING BY	Science of Advanced Materials 6 (2014) 127-	Interna tional	ISSN: 1947-2935 (Print);	2.908		7	Goo gle Scho lar

		GRAPHENE-ZnO QUANTUM DOTS COMPOSITES	133.		EISSN : 1947-2943 (Online)				
99	A. S. Rahate, K. R. Nemade, S. A. Waghuley	POLYPHENYLENE SULFIDE (PPS): STATE OF THE ART AND APPLICATIONS	Reviews in Chemical Engineering 29 (6) (2013) 471–489.	International	ISSN: 2191-0235	2.675		1	Google Scholar
100	N.S.Wadatkar, S.A.Waghuley	CHARACTERIZATION OF CHEMICALLY SYNTHESIZED ELECTRICALLY CONDUCTING POLYINDOLE	International Journal For Engineering Applications And Technology 1(2) (2013) 98-101.	International	ISSN: 2321-8134	Still Computing		0	Google Scholar
101	A.M.Kute, S.A.Waghuley	SOLAR CELL APPLICATION OF CADMIUM-CHALCOGENIDE QUANTUM DOTS COMPOSITES	International Journal For Engineering Applications And Technology 1(2) (2013) 63-67.	International	ISSN: 2321-8134	Still Computing		0	Google Scholar
102	K. R. Nemade, S. A. Waghuley	STRONTIUM OXIDE QUANTUM DOT DECORATED GRAPHENE COMPOSITES FOR LIQUID PETROLEUM GAS SENSING	Journal of the Chinese Advanced Materials Society 1 (3) (2013) 219-228.	International	ISSN: 2224-3682	Still Computing		8	Google Scholar
103	R. V. Barde, S. A. Waghuley	TRANSPORT AND PHYSICAL PROPERTIES OF V <sub>2</sub> O <sub>5</sub> -P <sub>2</sub> O <sub>5</sub> -B <sub>2</sub> O <sub>3</sub> GLASSES DOPED WITH Dy <sub>2</sub> O <sub>3</sub>	Journal of Advanced Ceramics 2 (3) (2013) 246-251.	International	ISSN: 2226-4108 (print version) ISSN: 2227-8508 (electronic version)	Still Computing		0	Google Scholar
104	K. R. Nemade, S. A. Waghuley	CHEMIRERESISTIVE GAS SENSING BY FEW-LAYERED GRAPHENE	Journal of Electronic Materials 42 (10) (2013)	International	ISSN: 0361-5235	1.675		10	Google Scholar

			2857-2866.						
105	K. R. Nemade, S. A. Waghuley	GAS SENSING MECHANISM OF METAL OXIDE DOPED PANi COMPOSITES	Journal of Materials Science and Engineering B 3 (5) (2013) 310-313.	International	ISSN 2161-6213	Still Computing		1	Google Scholar
106	R. V. Barde, S. A. Waghuley	PREPARATION AND ELECTRICAL CONDUCTIVITY OF NOVEL VANADATE BORATE GLASS SYSTEM CONTAINING GRAPHENE OXIDE	Journal of Non-Crystalline Solids 376 (2013) 117–125.	International	ISSN: 0022-3093	1.716		4	Google Scholar
107	K. R. Nemade, S. A. Waghuley	LPG SENSING APPLICATION OF GRAPHENE/Bi <sub>2</sub> O <sub>3</sub> QUANTUM DOTS COMPOSITES	Solid State Sciences 22 (2013) 27–32.	International	ISSN: 1293-2558	1.883		14	Google Scholar
108	K. R. Nemade, S. A. Waghuley	CARBON DIOXIDE GAS SENSING APPLICATION OF GRAPHENE/Y <sub>2</sub> O <sub>3</sub> QUANTUM DOTS COMPOSITE	International Journal of Modern Physics: Conference Series 22 (2013) 380–384	International	ISSN: 2010-1945	Still Computing		7	Google Scholar
109	R. V. Barde, S. A. Waghuley	INVESTIGATION OF ELECTRICAL CONDUCTION IN VANADATE BASED GLASSES	International Journal of Modern Physics: Conference Series 22 (2013) 255–260.	International	ISSN: 2010-1945	Still Computing		0	Google Scholar
110	K. R. Nemade, S. A. Waghuley	SYNTHESIS AND CHARACTERIZATION OF BISMUTH OXIDE QUANTUM DOTS	Advanced Science, Engineering and Medicine 5 (2013) 988-990.	International	ISSN: 2164-6627 (print); EISSN : 2164-6635 (online)	Still Computing		3	Google Scholar
111	Kamlesh Alti; Aditya K Dharmadhikari ; Jayashree A Dharmadhikari ; Anuj	Pattern formation in transparent media using ultrashort laser pulses	Optics Communications, Volume 304, 1 September	International	ISSN: 0030-4018	1.542		3	Yes

	Bhatnagar; Chidangil Santhosh; Deepak Mathur		2013, Pages 29–38						
112	Kamlesh Alti, C. Santhosh, S. Kumari, Alika Khare and Deepak Mathur	Femtosecond Laser Induced Forward Transfer of Indium thin films	Laser and Particle Beams Vol. 32(1), 2014, pp 55-61	Interna tional	ISSN: 0263- 0346 EISSN : 1469- 803X	1.701		Nil	Yes
113	A Shafique, V Shinde, M Aqueel, K Alti	Simple inexpensive plasma generation set up using high voltage television plate	International Journal of Pure and applied research in Engineering and Technology, 2(9), 2014 312-318,	Interna tional	ISSN: 2319- 507X	0.6		Nil	Yes
114	Prafull Padghan and Kamlesh Alti	Experimental realization of multiple all optical universal logic gates using array illuminator	International Journal of Pure and applied research in Engineering and Technology, 2(9), 2014238- 245	Interna tional	ISSN: 2319- 507X	0.6		Nil	Yes
115	V. P. Hedaoo 1, V. B. Bhatkar 2, S. K. Omanwar <sup>3</sup>	Combustion Synthesis of UV Emitting Mn 2 Doped Nano- Crystalline Calcium Borate.	International Refereed Journal of Engineering and Science (IRJES) Volume 1, Issue 3 (November 2012), PP.34-38	Interna tional	ISSN (Onlin e) 2319- 183X, (Print) 2319- 1821	0		1	Goo gle Scho lar
116	N.S. Bajaj, S.K. Omanwar	Combustion synthesis and luminescence characteristic of rare earth activated LiCaBO <sub>3</sub>	Journal of Rare Earths Vol. 30, No. 10, Oct. 2012, P. 1005-1008	Interna tional	ISSN 1002- 072	1.086		11	Goo gle Scho lar
117	P.A. Nagpure, S.K. Omanwar	Synthesis and luminescence characteristics of	Journal of rare earths, vol. 30, no.	Interna tional	ISSN 1002- 0721	1.086		0	Goo gle Scho

		terbium(III) activated NaSrBO <sub>3</sub>	9, sep. 2012, p. 856						lar
118	P.A. Nagpure, S.K. Omanwar	Synthesis and photoluminescence study of rare earth activated phosphor Na <sub>2</sub> La <sub>2</sub> B <sub>2</sub> O <sub>7</sub>	Journal of Luminescence 132 (2012) 2088–2091	International	ISSN: 0022-2313	2.144		5	Google Scholar
119	D. N. Game, B. K. Katore, N. B. Ingale, S. K. Omanwar	Synthesis And Luminescent Properties Of Europium Doped Calcium Sulfide 305-307	Sci. Revs. Chem. Commun.: 2(3), 2012	International	ISSN 2277-2669	0		0	Google Scholar
120	N.S. Bajaj , S.K. Omanwar	Combustion synthesis and characterization of phosphor KSr <sub>4</sub> (BO <sub>3</sub> ) <sub>3</sub> :Dy <sup>3+</sup>	Optical Materials 35 (2013) 1222–1225	International	ISSN: 09253467	1.872		0	Google Scholar
121	N.S. Bajaj , S.K. Omanwar	THERMO LUMINESCENCE STUDY OF SrB <sub>4</sub> O <sub>7</sub> : Cu PHOSPHOR PREPARED BY COMBUSTION SYNTHESIS	International Journal of Modern Physics: Conference Series Vol. 22 (2013) 404–407	International		0.882		0	Google Scholar
122	P. A. Nagpure and S. K. Omanwar	Combustion Synthesis of Borate Phosphors for Use in Plasma Display Panels and MercuryFree Fluorescent Lamps	International Journal of SelfPropagating HighTemperature Synthesis, 2013, Vol. 22, No. 1, pp. 32–36.	International	ISSN 10613862	1.972		0	Google Scholar
123	RP Sonekar, AB Gawande, JT Ingle, SK Omanwar	PHOTOLUMINESCENCE OF A GREEN EMITTING PHOSPHOR LiCaBO <sub>3</sub> : Tb <sup>3+</sup>	International Journal of Knowledge Engineering 3 (1)	International		0		0	Google Scholar
124	P. A. Nagpure, N. S. Bajaj, R P Sonekar , S K Omanwar	Luminescence Studies Of Novel Rare Earth Activated Pentaborate LaB <sub>5</sub> O <sub>9</sub>	Indian Journal of Pure & Applied Physics,	International	ISSN: 0019-5596	0.752		0	Google Scholar
125	P. M. Wankhede, S. A. Gundale, M. N. Rode, G. G. Muley	Study on optical properties of Cd doped ZTS single crystals	International Journal of Basic and Applied Research, Special		p-ISSN: 2249-3352 e-ISSN:				

			issue-2012, 290-292		2278- 0505				
126	P. S. Ambhore, A. B. Gambhire, S. K. Devade	Crystal structural and SHG efficiency study on NaCl doped KDP crystals	International Journal of Basic and Applied Research, Special issue-2012, 230-233		p-ISSN: 2249-3352 e-ISSN: 2278-0505				
127	P. S. Ambhore, A. B. Naik, S. K. Devade, G. G. Muley	Study on effect of SrCl <sub>2</sub> doping on crystal structure and SHG efficiency of KDP	International Journal of Basic and Applied Research, Special issue-2012, 137-140		p-ISSN: 2249-3352 e-ISSN: 2278-0505				
128	G.G.MULEY	Study on Growth Habit, SHG and Thermal Properties of Urea Phosphate Doped KDP Crystals	Science and Technology 2012, 2(5): 109-113		p-ISSN: 2163-2669 e-ISSN: 2163-2677				
129	V. G. PAHURKAR and G.G.MULEY	Advances In Biosensor Technology – A Brief Review	Scientific Reviews and Chemical Communications, 2(3), 2012, p. 361-364		e-ISSN 2277-2669				
130	R. V. Barde, S. A. Waghuley	STUDY OF AC ELECTRICAL PROPERTIES OF V2O5-P2O5-B2O3-DY2O3 GLASSES	Ceramics International 39 (2013) 6303–6311.	International	ISSN: 0272-8842	2.110		4	Google Scholar
131	S. A. Waghuley	STUDY OF SOLID-STATE STABILITY OF THE ZTO BINARY SYSTEM	Turkish Journal of Physics 37 (1) (2013) 113-120.	International	ISSN: 1300-0101 (print) ISSN: 1303-6122 (online)	Still Computing		0	Google Scholar
132	K. R. Nemade, S. A. Waghuley	UV-VIS SPECTROSCOPIC STUDY OF ONE POT SYNTHESIZED STRONTIUM OXIDE	Results in Physics 3 (2013) 52–54	International	ISSN: 2211-3797	Still Computing		18	Google Scholar

		QUANTUM DOTS							
133	K. R. Nemade, S. A. Waghuley	GAS SENSING PARAMETERS: RESOLUTION LIMIT AND HYSTERESIS OF ZnO AND CeO <sub>2</sub> MOXs FILMS	Global Journal of Science, Engineering and Technology 201 (2) (2012) 7-12.	International	ISSN : 2322-2441	Still Computing		0	Google Scholar
134	R. V. Barde, S. A. Waghuley	STUDY OF CONDUCTION MECHANISM IN PHOSPHO-VANADATE CONDUCTING GLASS	International Journal of Basic And Applied Research, Sp. Issue (2012) 204-206.	International	ISSN: 2249-3352 (print) ISSN: 2278-0505 (online )	Still Computing		0	Google Scholar
135	N. S. Wadkar, S. A. Waghuley	STUDY OF CHEMICALLY SYNTHESIZED POLYTHIOPHENE	International Journal of Basic And Applied Research, Sp. Issue (2012) 51-53.	International	ISSN: 2249-3352 (print) ISSN: 2278-0505 (online )	Still Computing		0	Google Scholar
136	K. R. Nemade, S. A. Waghuley	SURFACE PLASMON RESONANCE STUDY IN CeO <sub>2</sub> QUANTUM DOTS	International Journal of Basic And Applied Research, Sp. Issue (2012) 48-50.	International	ISSN: 2249-3352 (print) ISSN: 2278-0505 (online )	Still Computing		0	Google Scholar
137	A.S.Rahate, K. R. Nemade, S. A. Waghuley	SYNTHESIS OF POLYPHENYLENE SULFIDE (PPS) COMPOSITE THROUGH CHEMICAL ROUTE	International Journal of Basic And Applied Research, Sp. Issue (2012) 45-47.	International	ISSN: 2249-3352 (print) ISSN: 2278-0505 (online )	Still Computing		0	Google Scholar
138	S.S.Kosalge, S. A. Waghuley, P.G.Bhatia, F.C.Raghuvanshi, B.H.Pawar	STUDY OF OPTICAL PROPERTIES OF CADMIUM OXIDE USING UV-VIS SPECTROSCOPY	International Journal of Basic And Applied Research, Sp. Issue	International	ISSN: 2249-3352 (print) ISSN: 2278-	Still Computing		0	Google Scholar

			(2012) 20-22.		0505 (online )				
139	K. R. Nemade, S. A. Waghuley	SYNTHESIS, CHARACTERIZATION AND THERMAL PROPERTIES OF POLYTHIOPHENE COMPOSITES	Asian Journal of Chemistry, 24 (12) (2012), 5947-5948.	International	ISSN: 0970-7077	0.355		0	Google Scholar
140	R. V. Barde, S. A. Waghuley	V2O5-P2O5 GLASS CERAMIC AS A RESISTIVE SOLID-STATE CO2 GAS SENSOR	Asian Journal of Chemistry, 24 (12) (2012), 5622-5624.	International	ISSN: 0970-7077	0.355		1	Google Scholar
141	R. G. Dubey, K. R. Nemade, S. A. Waghuley	TRANSITION MODEL ANALYSIS OF BISMUTH OXIDE QUANTUM DOTS	Sci. Revs. Chem. Commun.: 2(3), 2012, 436-440.	International	ISSN: 2277-2669	Still Computing		0	Google Scholar
142	K. V. Deshmukh, R. V. Barde, S. A. Waghuley	CHARACTERIZATION OF PHOSPO-VANADATE GLASSY SYSTEM USING FT-IR TECHNIQUE	Sci. Revs. Chem. Commun.: 2(3), 2012, 432-435.	International	ISSN: 2277-2669	Still Computing		0	Google Scholar
143	P. A. Pawar, K. R. Nemade, S. A. Waghuley	OPTICAL PROPERTIES OF SINGLE STEP SYNTHESIZED NANOSTRUCTURED BISMUTH OXIDE USING HYPERBOLIC BAND MODEL	Sci. Revs. Chem. Commun.: 2(3), 2012, 419-422.	International	ISSN: 2277-2669	Still Computing		0	Google Scholar
144	D. K. Pradhan, K. R. Nemade, S. A. Waghuley	OPTICAL PROPERTIES STUDY OF NANOSTRUCTURED CeO2 USING HYPERBOLIC BAND MODEL	Sci. Revs. Chem. Commun.: 2(3), 2012, 409-412.	International	ISSN: 2277-2669	Still Computing		0	Google Scholar
145	N. S. Wadkar, S. A. Waghuley	CHARACTERIZATION OF PANI-PVAc COMPOSITE THIN FILMS USING XRD ANALYSIS	Sci. Revs. Chem. Commun.: 2(3), 2012, 392-394.	International	ISSN: 2277-2669	Still Computing		0	Google Scholar
146	K.R.Nemade, S.A.Waghuley	BIOPOLYMER AS A PROMINENT MEMBER OF MEDICAL IMAGING	Sci. Revs. Chem. Commun.: 2(3), 2012, 377-381.	International	ISSN: 2277-2669	Still Computing		0	Google Scholar



147	R. V. Barde, S.A. Waghuley	NANO-CERAMIC CONDUCTING GLASSES: PREPARATION AND PROPERTIES	Sci. Revs. Chem. Commun.: 2(3), 2012, 326-330.	Interna tional	ISSN: 2277- 2669	Still Compu ting		0	Goo gle Scho lar
148	Kamlesh Alti, Prafull Chapate and Kamal Singh	Simultaneous realization of multiple NAND optical logic gates using four beam interferometer	International Journal of Basic and Applied Research, (special issue 103- 105), (2012) pg. 103-105	Interna tional	ISSN- 2249- 3352	0.227		Nil	Yes
149	N.S. BAJAJ * and S.K. OMANWAR	Combustion Synthesis and Thermo Luminescence in g- Irradiated Borate phosphors Activated with Terbium(III)	Asian Journal of Chemistry; Vol. 24, issueNo. 12 (2012), Page no. 5945- 5946	Interna tional	ISSN: 09707 077	0.982		0	Goo gle Scho lar
150	P.A. Nagpure, R.P.Sonekar, S.K. Omanwar, A. C. Pande	PHOTOLUMINESCE NCE STUDY OFGREEN PDP PHOSPHOR LaBaB9O16:Tb/CeTb	INTERNAT IONAL JOURNAL OF ADVANCE D ENGINEER ING SCIENCES AND TECHNOL OGIES Vol No. 8, Issue No. 2, Page no. 311 - 315	Interna tional	ISSN 2230- 7818	4.790		0	Goo gle Scho lar
151	P.A. Nagpure a,n, S.K.Omanwar	Synthesis and Photoluminescence Study of Rare Earth Activated Phosphor Na2La2B2O7	Journal of Luminescen ce Vol. No.132 pp. 2088- 2091	Interna tional	ISSN: 0022- 2313	2.144		0	Goo gle Scho lar
152	SONEKAR R.P, GAWANDE A.B. , INGLE J.T. AND OMANWAR S.K.	PHOTOLUMINESCE NCE OF A GREEN EMITTING PHOSPHOR LiCaBO3:Tb3+	International Journal of Knowledge Engineering Volume 3, Issue 1, 2012, pp.- 53-54.	Interna tional	ISSN: 0976- 5816 & E- ISSN: 0976- 5824	4.50		0	Goo gle Scho lar

153	P.a. nagpure n.s. bajaj Sonekar r.p omanwar s.k	Luminescence Studies Of Novel Rare Earth Activated Pentaborate LaB5O9	Indian Journal of Pure & Applied Physics Vol.49 Dec.2012 P.N. 799- 802	Interna tional	ISSN: 0019- 5596	0.511		0	Goo gle Scho lar
154	J. T. Ingle <sup>1</sup> , R. P.Sonekar <sup>2</sup> , S. K.Omanwar <sup>3</sup> , S. V. Moharil <sup>4</sup>	Synthesis and Photoluminescence of Blue Phosphors: NaBaB <sub>9</sub> O <sub>15</sub> -Eu <sup>2+</sup>	Inter. Nat. Journal of Chemical and Analytical Science Vol. no.2 issue5 2011	Interna tional	ISSN: 0976- 1209	0.47		0	Goo gle Scho lar
155	R.P.Sonekar, S.K.Omanwar, S.V.Moharil	Combustion synthesis and photoluminescence of blue borate phosphor LiSrB <sub>9</sub> O <sub>15</sub> : Eu <sup>2+</sup>	International Journal of Luminescen ce and Application ns			2.144		0	Goo gle Scho lar
156	V.B. Bhatkar, D.S. Thakare and S.K. Omanwar	Synthesis of Tricolor Lamp Phosphor CeMgAl <sub>11</sub> O <sub>19</sub> :Tb <sup>3+</sup>	International Review of Applied Engineering Research Volume 1, Number 1 (2011), pp. 67-70	Interna tional	ISSN 2248- 9967	0		0	Goo gle Scho lar
157	N. V. Bhatkar, V. B. Bhatkar, S. K. Omanwar	Synthesis of Ce- Sensitized Lanthanum Gadolinium Borate phosphor for Photobiological Applications	International Journal Material Sciences And Technology P.N. 27 – 30	Interna tional	ISSN 2249- 3077			0	Goo gle Scho lar
158	P.A. Nagpure N.S. bajaj Sonekar r.p omanwar s.k	Synthesis and luminescence studies of novel rare earth activated lanthanum pentaborate	Indian Journal of Pure and Applied Physics 799- 802	Interna tional	ISSN: 00195 596	0.711		15	Goo gle Scho lar
159	A. L. SUNATKARI, A.B. NAIK, M.N. RODE, B. H. PAWAR,	Growth And Characterization Of Sr Doped L-Arginine Capped ZnS Nanoparticles	Bionano Frontier p. 82-84		ISSN: 0974- 0678	IF- 0.2334			

	G.G.MULEY								
160	Y. S. TAMGADGE, G.G.MULEY	Developments In Nonlinear Optics: A Review	Bionano Frontier p. 145-147		ISSN: 0974-0678	IF- 0.2334			
161	A. B. NAIK, G.G.MULEY	Recent Progresses In Synthetic Polymer Materials	Bionano Frontier p. 156-157		ISSN: 0974-0678	IF- 0.2334			
162	R. V. Barde, S.A. Waghuley	DC ELECTRICAL CONDUCTIVITY OF V2O5-P2O5 BINARY GLASSY SYSTEMS	Journal of Physics: Conference Series 365 (2012) 012019-1-3.	International	ISSN: 1742-6588 (Print) ISSN: 1742-6596 (Online)	Still Computing		2	Google Scholar
163	K.R.Nemade, S.A.Waghuley	STUDY OF OPTICAL BAND GAP OF CuO USING FERMI'S GOLDEN RULE	Journal of Physics: Conference Series 365 (2012) 012018-1-4.	International	ISSN: 1742-6588 (Print) ISSN: 1742-6596 (Online)	Still Computing		3	Google Scholar
164	S.A. Waghuley	CONDUCTOMETRIC HUMIDITY SENSING CHARACTERISTICS OF SELECTED INORGANIC MATERIALS	Multilogic in Science, 1(1) (2012) 114-122.	International	ISSN: 2277-7601	0.462		0	Google Scholar
165	K.A Koparkar, S.A. Waghuley	PLASMA POLYMERIZATION: NOVEL APPROACH OF SYNTHESIS OF CONJUGATED POLYMERS	Multilogic in Science, 1(1) (2012) 105-109.	International	ISSN: 2277-7601	0.462		0	Google Scholar
166	K.R.Nemade, S.A.Waghuley	ACOUSTICAL PROPERTIES OF METAL OXIDES SOLUTION IN AQUEOUS MEDIUM AT ROOM TEMPERATURE.	International Journal of Research and Reviews in Pharmacy and applied Science, 2(2) (2012) 442-449.	International	ISSN: 2249-1236	Still Computing		0	Google Scholar
167	R.V. Barde, S.A. Waghuley	COMPARATIVE STUDY OF RARE EARTH AND METAL OXIDE DOPED	Bionano Frontier, 5 (2012) 391-395.	International	ISSN: 0974-0678	0.045		0	Google Scholar

		CONDUCTING GLASSES							
168	S.A. Waghuley	SYNTHESIS, CHARACTERIZATION AND CO <sub>2</sub> GAS SENSING RESPONSE OF SnO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> DOUBLE LAYER SENSOR	Indian Journal of Pure & Applied Physics, 49 (2011) 816-819	International	ISSN: 0019-5596	0.711		12	Google Scholar
169	R.V. Barde, S.A. Waghuley	STUDY OF OXIDES DOPED BORATE GLASS CERAMICS: A SELECTED REVIEW	Bionano Frontier (Special Issue-7), (2011) 107-110.	International	ISSN: 0974-0678 EISSN : 2320-9593	0.045		0	Google Scholar
170	K.R. Nemade, S.A. Waghuley	OPTICAL PROPERTIES OF SINGLE STEP CHEMICALLY SYNTHESIZED COPPER OXIDE	Bionano Frontier (Special Issue-7), (2011) 161-162.	International	ISSN: 0974-0678 EISSN : 2320-9593	0.045		0	Google Scholar
171	S.A. Waghuley, K.R. Nemade	BIOCOMPATIBLE CHITOSAN BIOPOLYMER FOR THE DRUG DELIVERY OF PROTEINS/PEPTIDE S-A REVIEW	Bionano Frontier (Special Issue-7), (2011) 169-171.	International	ISSN: 0974-0678 EISSN : 2320-9593	0.045		0	Google Scholar
172	S.A. Waghuley	TIN DIOXIDE/POLYPYRROLE MULTILAYER CHEMIREISTOR AS A HYDROGEN SULFIDE GAS SENSOR	Journal of Electron Devices, 10 (2011) 433-437.	International	ISSN: 1682-3427	Still Computing		3	Google Scholar
173	V. K. Unnikrishnan, K. Mridul, Rajesh Nayak, Kamlesh Alti, V. B. Kartha, C. Santhosh, and B. M. Suri	Trace Element Analysis Using Laser Induced Breakdown Spectroscopy (LIBS) Technique	AIP Conf. Proc., Vol. 1349, (2011), pp. 475.	International	ISBN: 978-0-7354-0905-7	--		--	Yes
174	C. Santhosh, A. K. Dharmadhikari, J. A. Dharmadhikari, K. Alti, D. Mathur	White Light Generation in Human Saliva	AIP Conf. Proc., Vol. 1349, pp. 218 (2011)	International	ISBN: 978-0-7354-0905-7	--		--	Yes

175	J. T. Ingle, R. P. Sonekar, S. K. Omanwar, S. V. Moharil	Synthesis and photoluminescence of blue phosphors $\text{NaBaB}_9\text{O}_{15}:\text{Eu}^{2+}$	International Journal of Chemical and Analytical Science, Vol.2. Issue 5. May, 2011 Page no. 1-2	International	ISSN: 0976-1209				Google Scholar
176	K.R.Nemade, R.S.Palaspagar, K.A.Koparkar, S.S.Kosalge, G.T.Bhalerao, G.G.Muley, B.H.Pawar, S.A.Waghuley	SENSITIVITY AND DYNAMIC RESPONSE OF ZINC OXIDE THIN FILM TO CARBON DIOXIDE GAS	Bionano Frontier, (2010) 133-135.	International	ISSN: 0974-0678	0.045		0	Google Scholar
177	R.S.Palaspagar, K.R.Nemade, K.A.Koparkar, S.S.Kosalge, G.T.Bhalerao, G.G.Muley, B.H.Pawar, S.A.Waghuley	ACTIVATION ENERGY OF POLYTHIOPHENE/VANADIUM PENTAOXIDE COMPOSITE MATERIAL	Bionano Frontier, (2010) 112-115.	International	ISSN: 0974-0678	0.045		0	Google Scholar
178	S.S.Kosalge, G.T.Bhalerao, R.S.Palaspagar, K.A.Koparkar, K.R.Nemade, S.U.Joharkar, G.G.Muley, B.H.Pawar, S.A.Waghuley	CERIUM DIOXIDE AS A CARBON DIOXIDE GAS SENSOR	Bionano Frontier, (2010) 88-89.	International	ISSN: 0974-0678	0.045		0	Google Scholar
179	R.S.Palaspagar, K.R.Nemade, K.A.Koparkar, S.S.Kosalge, G.T.Bhalerao, G.G.Muley, B.H.Pawar, S.A.Waghuley	D.C. CONDUCTIVITY OF PTh/V2O5 COMPOSITE	Bionano Frontier, (2010) 85-87.	International	ISSN: 0974-0678	0.045		0	Google Scholar
180	K.A.Koparkar, K.R.Nemade, R.S.Palaspagar, S.S.Kosalge, G.T.Bhalerao, G.G.Muley, B.H.Pawar,	SENSING RESPONSE OF POLYANILINE/POLYVINYL ACETATE COMPOSITE FILM TO CARBON DIOXIDE GAS	Bionano Frontier, (2010) 27-29.	International	ISSN: 0974-0678	0.045		0	Google Scholar

	S.A.Waghuley								
181	G.P. Gupta, B.M. Suri, A. Verma, M. Sundararaman, V.K. Unnikrishnan, K. Alti, V.B. Kartha, C. Santhosh	Quantitative elemental analysis of nickel alloys using calibration-based laser-induced breakdown spectroscopy	Journal of Alloys and Compounds, Volume 509, Issue 9, 3 March 2011, Pages 3740-3745.	International	ISSN: 0925-8388	2.726		25	Yes
181	V. K. Unnikrishnan, K Alti, Rajesh Nayak, Rodney Bernard, Niyati Khetarpal, V. B. Kartha, C. Santhosh, G. P. Gupta and B. M. Suri	Optimized LIBS setup with echelle spectrograph for multi elemental analysis	Journal of Instrumentation, Vol. 5 (4), (2010), P04005	International	1748-0221	1.526		11	Yes
182	C. Santhosh, A. K. Dharmadhikari, J. A. Dharmadhikari, K. Alti, D. Mathur	Supercontinuum Generation in Macromolecular Media	Applied Physics B - Lasers and Optics, Vol. 99 (3), (2010), 427	International	ISSN: 0946-2171 (print version) ISSN: 1432-0649 (electronic version)	1.634		8	Yes
183	V K Unnikrishnan, K Alti, V B Kartha, C Santhosh, G P Gupta and B M Suri	Measurements of plasma temperature and electron density in laser-induced copper plasma by time-resolved spectroscopy of neutral atom and ion emissions	Pramana: Journal of Physics, Vol. 74 (6), (2010), 983	International	ISSN : 0304-4289	0.575		38	Yes
184	M. Stepanova, T. Fito, Zs. Szabó, K. Alti, P. Ade, K. Koshelev, M. Aktary and S.K. Dew	Simulator for electron beam lithography of nanostructures	Journal of Vacuum Science and Technology B, Vol. 28 (6), (2010), C6C48	International	ISSN: 2166-2746 E-ISSN: 2166-2754	1.358		19	Yes

185	V. K. Unnikrishnan, Kamlesh Alti, Rajesh Nayak, Rodney Bernard, V. B. Kartha, C. Santhosh, G. P. Gupta and B. M. Suri,	Spectroscopy of Laser-Produced Plasmas: Setting up of High Performance Laser-Induced Breakdown Spectroscopy (LIBS) System	Pramana-Journal of Physics, Vol. 75(6), (2010), 1145	International		0.575		1	
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## 22.2 Books Written/ Edited:

Nil

## 22.3 Monographs/ Chapters in Book/s Written/Edited:

Nil

## 22.4 Publications in Conference/Seminar Proceedings:

S. N.	Name of Authors	Title of Book	Title of Chapter added	Name of Publisher	ISSN/IS BN No.	Page No.	Contributed As (Editor/Author)
1	K.A. Koparkar, N.S. Bajaj, S.K. Omanwar	Solid State Phenomena	Photoluminescence in a Novel Aldo-Keto Synthesized YPO <sub>4</sub> :Eu <sup>3+</sup> Nanophosphor	Scientific. net, (yr 2014-15)	1662-9779	179-185	Hardev Singh Virk
2	K.A. Koparkar, N.S. Bajaj, S.K. Omanwar	Defect and Diffusion Forum	Exploring Synthesis Techniques for Yttrium Based Phosphors	Scientific. net, (yr 2014-15)	978-3-03835-399-7	95-119	Hardev Singh Virk
3	SK Omanwar, KA Koparkar, Hardev Singh Virk	Defect and Diffusion Forum	Recent Advances and Opportunities in TLD Materials: A Review	Scientific. net, (yr 2012-13)	1662-9507	95-119	Hardev Singh Virk
4	Dr. S.A.Waghuley	Conducting Polymers	Synthesis and gas sensing application of conducting polymer- Polypyrrole	InTech Publisher, Croatia, (yr 2011-12).	ISBN 978-953-307-645-4	27-40	Author

## 23. Details of patents:

S. N.	Year	Name (s) of the Faculty Member	Type of Patent (National/International)	Status (Filed/Awarded)
1	2013-14	Dr.S.K. Omanwar	National	Filed (Application Number is 1915/MUM/2014)
2	2012-13	Dr.S.A. Waghuley	National	Filed

24. Areas of **consultancy** and income generated:

Nil

## 25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:

S. N.	Year	Name of the Faculty	Name of the Laboratory / Institute / Industry visited	Status (National/International)	Duration
1	2013-14	K M Alti	Manipal Univ.	National	Jan. 8-11, 2014
2	2012-13	Dr. S. K. Omanwar	International Union of Materials Research Society -International Conference in Asia 2012 IUMRS-ICA 2012 Conference at BEXCO, Busan, Korea Presented two papers at the International conference (ThA2-3 oral and TuP663 Poster)	International	August 26-31, 2012
3		Dr. S. K. Omanwar	Optoelectronic & Photonic Laboratories at Department of Physics, Kyung Hee University during 24-26, August 2012. Delivered talk on SSL Phosphors.	International	24-26, August 2012
4		Dr. S. K. Omanwar	Photonic Science Research Laboratory, Department of Physics, Inha University, 100 Inharo, Nam-gu Incheon, 402-751, Republic of Korea (South) on 31 August 2012.	International	31 August 2012.
5	2010-11	K M Alti	TIFR, IITK	National	13-16 Feb. 2011



## 26. Faculty serving on

a) National committees b) International committees c) Editorial Boards d) any other (please specify):

S. N.	Year	Name of the Faculty	National Committees/ International Committees/ Editorial Boards/ Any Other (specify)	Organization	Acted as Member / Chairman/ Secretary/ Others (specify)
1.	2014-15	Dr. S. K. Omanwar	International Committees	CIMTEC 2016-IAB Symp. D, June 5-10, Perugia, Italy (Smart and Multifunctional Materials, Devices and Structures)	Member of International Advisory Committee,
2.		Dr. S. K. Omanwar	Editorial Advisor Board	International Journal of Innovative Research and Studies (IJRES) ISSN 2319-9725	Member,
3.		Dr. S. K. Omanwar	Editorial Advisor Board	Multilogic in Science	Member,
4.		Dr. S. K. Omanwar	Editorial Advisor Board	International Journal of Luminescence and its Applications ISSN 2277 – 6362	Member,
5.		Dr. S. K. Omanwar	Editorial Advisor Board	An International Journal of Chemical and Physical Sciences (IJCPS) ISSN:2319-6602	Member,
6.		Dr. S. K. Omanwar	FIST Level-I DST Sponsored Project,	Department Of Physics, SGBAU, Amravati	Chairman,
7.		Dr. S. K. Omanwar	Swami Vivekanand Studies Centre,	UGC Scheme of Epoch Making Thinkers of India	COORDINATOR
8.		Dr. S. K. Omanwar	UGC Scheme of Coaching for Entry Services for SC/ST & Minorities		COORDINATOR
9.		Dr. S. K. Omanwar	Innovative Program: Nodal Centre Photonics, UGC Sponsored Program,	Department Of Physics, SGBAU, Amravati	Coordinator,
10.		K M Altı	International	International Journal of Optical Sciences. International Journal of Laser Science and Technology. International Journal of Plasma Physics and nuclear fusion	Editorial Board Member

11.	2013-14	Dr. S. K. Omanwar	FIST Level-I DST Sponsored Project,	Department Of Physics, SGBAU, Amravati	Chairman,
12.		Dr. S. K. Omanwar	Innovative Program: Nodal Centre Photonics, UGC Sponsored Program,	Department Of Physics, SGBAU, Amravati	Coordinator,
13.		Dr. S. K. Omanwar	Swami Vivekanand Studies Centre,	UGC Scheme of Epoch Making Thinkers of India	COORDINATOR
14.		Dr. S. K. Omanwar	UGC Scheme of Coaching for Entry Services for SC/ST & Minorities		COORDINATOR
15.		Dr. S. K. Omanwar	Editorial Advisor Board	International Journal of Innovative Research and Studies (IJRES) ISSN 2319-9725	Member,
16.		Dr. S. K. Omanwar	Editorial Advisor Board	Multilogic in Science	Member,
17.		Dr. S. K. Omanwar	Editorial Advisor Board	International Journal of Luminescence and its Applications ISSN 2277 – 6362	Member,
18.		Dr. S. K. Omanwar	Editorial Advisor Board	An International Journal of Chemical and Physical Sciences (IJCPS) ISSN:2319-6602	Member,
19.		Dr. G. G. Muley	Editorial Board Member, International Journal of Applied Physics (IJAP).		
20.			Editorial Board Member, Science and Technology, Scientific & Academic Publishing USA, from October 10, 2011-October 09, 2013.		
21.		Dr.S.A.Waghuley	Editorial Boards	Nanotechnology and Nanoscience, ISSN: 0976-7630 & E-ISSN: 0976-7649, Bioinfo Publications (ISO 9001:2008 certified), Navi Mumbai, 410210, India	Executive Editor
22.		Dr.S.A.Waghuley	Editorial Boards	International Journal of Innovative Research and Studies (ISSN: 2319 – 9725), Greater Kolkata College Of Engineering & Management, Kolkata, India.	Editorial Advisors

23.		K M Alti	International	Journal of Innovative Research and Studies	Editorial Board Member
24.		K M Alti	International	Advanced Journal of Physical sciences	Editorial Board Member
25.		K M Alti	International	Journal of Physics	Editorial Board Member
26.		K M Alti	International	Optics and Laser Technology	Reviewer
27.	2012-13 2011-12	Dr. S. K. Omanwar	FIST Level-I DST Sponsored Project,	Department Of Physics, SGBAU, Amravati	Chairman,
28.		Dr. S. K. Omanwar	Innovative Program: Nodal Centre Photonics, UGC Sponsored Program,	Department Of Physics, SGBAU, Amravati	Coordinator,
29.		Dr. S. K. Omanwar	Swami Vivekanand Studies Centre,	UGC Scheme of Epoch Making Thinkers of India	COORDINATOR
30.		Dr. S. K. Omanwar	UGC Scheme of Coaching for Entry Services for SC/ST & Minorities		COORDINATOR
31.		Dr. S. K. Omanwar	Editorial Advisor Board	International Journal of Innovative Research and Studies (IJRES) ISSN 2319-9725	Member,
32.		Dr. S. K. Omanwar	Editorial Advisor Board	Multilogic in Science	Member,
33.		Dr. S. K. Omanwar	Editorial Advisor Board	International Journal of Luminescence and its Applications ISSN 2277 – 6362	Member,
34.		Dr. S. K. Omanwar	Editorial Advisor Board	An International Journal of Chemical and Physical Sciences (IJCPS) ISSN:2319-6602	Member,
35.		Dr.S.A.Waghuley	Editorial Board	Physics and Materials Chemistry, Science and Education Publishing Co., 10 Cheswold Blvd., #1D, Newark, De, 19713, USA	Member
36.		Dr.S.A.Waghuley	Editorial Board	International Journal of Computer Science and Application (IJCSA), Science and Engineering Publishing Company, 11 Meadows, Terre Haute, IN 47802, USA	Member
37.		Dr.S.A.Waghuley	Editorial Board	Research Journal of Recent Sciences (ISSN 2277 – 2502), 427, Palhar	Member

				Nagar, RAPTC, VIP-Road, Indore-452005 (MP) INDIA	
38.		K M Alti	International	Journal of Innovative Research and Studies	Editorial Board Member
39.		K M Alti	International	Advanced Journal of Physical sciences	Editorial Board Member
40.		K M Alti	International	Optics and Laser Technology	Reviewer
41.		K M Alti	International	Analyst-Royal Society of Chemistry	Reviewer
42.		Dr. S. K. Omanwar	FIST Level-I DST Sponsored Project,	Department Of Physics, SGBAU, Amravati	Chairman,
43.		Dr. S. K. Omanwar	Swami Vivekanand Studies Centre,	UGC Scheme of Epoch Making Thinkers of India	COORDINATOR
44.		Dr. S. K. Omanwar	UGC Scheme of Coaching for Entry Services for SC/ST & Minorities		COORDINATOR
45.		Dr. S. K. Omanwar	Editorial Advisor Board	International Journal of Innovative Research and Studies (IJRES) ISSN 2319-9725	Member,
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47.		Dr. S. K. Omanwar	Editorial Advisor Board	International Journal of Luminescence and its Applications ISSN 2277 – 6362	Member,
48.		Dr. S. K. Omanwar	Editorial Advisor Board	An International Journal of Chemical and Physical Sciences (IJCPS) ISSN:2319-6602	Member,
49.		K M Alti	International	Optics and Laser Technology	Reviewer
50.	2010-11	Dr. S. K. Omanwar	FIST Level-I DST Sponsored Project,	Department Of Physics, SGBAU, Amravati	Chairman,
51.		Dr. S. K. Omanwar	Swami Vivekanand Studies Centre,	UGC Scheme of Epoch Making Thinkers of India	COORDINATOR
52.		Dr. S. K. Omanwar	IQAC	SGBAU, Amravati	Director
53.		Dr. S. K. Omanwar	Editorial Advisor Board	International Journal of Innovative Research and Studies (IJRES) ISSN 2319-9725	Member,
54.		Dr. S. K. Omanwar	Editorial Advisor Board	Multilogic in Science	Member,

55.		Dr. S. K. Omanwar	Editorial Advisor Board	International Journal of Luminescence and its Applications ISSN 2277 – 6362	Member,
56.		Dr. S. K. Omanwar	Editorial Advisor Board	An International Journal of Chemical and Physical Sciences (IJCPS) ISSN:2319-6602	Member,
57.		K M Alti	International	Optics and Laser Technology	Reviewer

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).  
 ➤ Faculties are motivated to attend Refresher/ Orientation/ Workshops/ Specialized Training Programmes/ Industrial Interaction to achieve excellence in teaching and research.
28. Student projects :
- Percentage of students who have done in-house projects including inter-departmental projects: 70% (in-house) and 30% (interdepartmental)
  - Percentage of students doing projects in collaboration with other universities/ industry / institute: 80% (institutes) and 20% (industry)
29. Awards / Recognitions received at the National and International level by
- Faculty
  - Doctoral / Post Doctoral Fellows
  - Students

S. N.	Year	Name of the Faculty <sup>1</sup> /Doctoral <sup>2</sup> / post Doctoral Fellow <sup>3</sup> /Student <sup>4</sup>	Award / Recognition	Conferring Organization	Level (National/ International )
1	2014-15	Dr. S. K. Omanwar	Nominated as Member of Advisory Committee Regional Direct Income Tax Department Govt. of India		National
2		Devayani Chikte (Dr. S. K. Omanwar)	Awarded 3 <sup>rd</sup> prize for poster presentation at International Conference on Nanomaterials for Sustainable Green Technology	K. V. Pendharkar College, Dombivli, Mumbai January 5-6, 2015	International
3		Ku. Vaishali Thakare (Dr. S. K. Omanwar)	Paper Presented entitled “Synthesis And Characterization Of Alumina-Zirconia Composite: A	National Conference on “Advanced Materials” held at Department of Physics, Nabira	National

			Biomaterial” secured the Third Prize in Poster Presentation.	Mahavidyalaya, Katol on 1 <sup>st</sup> March 2014 1 <sup>st</sup> March 2014	
4		Dr.S.A.Waghuley <sup>1</sup> Dr.K.R.Nemade <sup>4</sup>	Best Poster Presentation Award	National Conference on Novel Synthesis of Advanced Materials and Their Applications (NSAMA-2015), Department of Physics, Arts, Commerce & Science College, Maregaon (Road), Dist. Yavatmal	National
5		Dr.S.A.Waghuley <sup>1</sup>	Recognition, ‘Best Participant’	Refresher courses in Basic Science (Physics), UCG-Academic Staff College, Sant Gadge Baba Amravati University, Amravati.	National
6		Dr.S.A.Waghuley <sup>1</sup>	Recognized Elsevier Reviewer Status’	The Editors of Materials Science in Semiconductor Processing, Elsevier, Amsterdam, Netherlands, Aug 2014	International
7	2013-14	Ku. Vaishali Thakare (Dr. S. K. Omanwar)	Paper Presented entitled “Combustion Synthesis And Characterization Of Ytria-Partially Stabilized Zirconia (Y-PSZ): A Biomaterial” in secured the First Prize in Poster Presentation.	National Conference on Material Science: Trends and Future-2014 held at Department of Physics, Bharatiya Mahavidyalaya, Amravati on 10-11 Jan.2014	National
8		Mr. Kishor Koparkar (Dr. S. K. Omanwar)	Paper Presented entitled “Eu <sup>3+</sup> activated YCaBO <sub>4</sub> for Lamp phosphor Application” secured the Second Prize in Poster Presentation	National Conference on Material Science: Trends and Future-2014 held at Department of Physics, Bharatiya Mahavidyalaya, Amravati on 10-11 Jan.2014	National
9	2012-13	Ku. Vaishali Thakare (Dr. S. K.	Paper Presented entitles “Photoluminance	National Conference on Recent Trends in Physics held at	National

		Omanwar)	Study of Doped Zirconia” in and secured the First Prize in Poster Presentation.	Darwha on 27-28 Oct.2012	
10		Dr.S.A.Waghuley <sup>1</sup>	Fellow Award	International Science Congress Association (ISCA-FM-084), Indore-2, MP, India.	International
11	2010-11	Devayani Chikte (Dr. S. K. Omanwar)	Awarded 2 <sup>nd</sup> rank for the paper presented at National Conference on Lasers and Advance Materials	National Conference on Lasers and Advance Materials May 29-30, 2012 at Sant Gadge Baba Amravati University, Amravati	National

30. **Conferences/Seminars/Workshops organized by Department:**

S. N.	Name of the Conference/Seminar/Workshop	Status National/ International	Name of Chairman/Organizing Secretary/ Convenor	Funding Agency with Funds (in Lakhs) (if any)	Collaborators (if any)	Duration, Date and Venue
1	LASERS AND ADVANCED MATERIALS (NCLAM-2012)	National	Dr.G.G.Muley (Convenor) Dr.S.A.Waghuley (Secretary)	UGC-1.76 DRDO-0.50 DST-0.50 CSIR-0.50 BRNS-0.70	Nil	May 29-30, 2012 Dept of Physics, SGBAU, Amravati.

31. **Code of ethics for research followed by the departments :**

- Training on sophisticated facilities to be used for investigation and defence through demonstration.
- Transperancy, sincerity and honesty
- Emphasis on originality to have absolute purity in research.

32. **Student profile programme-wise:**

Year	Admitted to First Year of the Course			Pass Percentage of Students	
	Boys	Girls	Total	Boys	Girls
2014-15	13	17	30	--	--
2013-14	4	24	28	25	29.16
2012-13	11	17	28	45.45	35.29
2011-12	12	13	25	25	23.07
2010-11	12	17	29	0	29.41

## 33. Diversity of students

Name of the Programme	Year	Percentage of students from the same university	Percentage of students from other universities within the State	Percentage of students from Universities outside the State	Percentage of students from other countries
M.Sc. (Physics)	2014-15	83.33	16.67	0	0
	2013-14	82.14	17.86	0	0
	2012-13	82.14	10.71	7.14	0
	2011-12	88	0	12	0
	2010-11	86.21	13.79	0	0

## 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

S. N.	Category	No. of students qualified
1	Civil Services	Nil
2	Defence Services examinations	Nil
3	NET	05
4	SET	05
5	GATE	02
6	other competitive examinations	03 (BARC-2+Banking-1)

## 35. Student progression:

	Student progression	Percentage against enrolled
	UG to PG	Not Applicable
	PG to M.Phil.	Nil
	PG to Ph.D.	25-27
	Ph.D. to Post-Doctoral	3-5
	Employed	
<input type="checkbox"/>	Campus selection	Nil
<input type="checkbox"/>	Other than campus recruitment	60
	Entrepreneurs	10



## 36. Diversity of staff:

Percentage of faculty who are	Graduates	Postgraduates	Doctorate
of the same university	40	40	40
from other universities within the State	60	60	40
from universities from other States from	Nil	Nil	20
universities outside the country	Nil	Nil	Nil

## 37. Number and Name of the faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

Nil

38. Present details of departmental infrastructural facilities with regard to :  
(Please specify numbers)

a. Library	01
b. Internet facilities for staff and students	04+100 (Wi-Fi)
c. Total number of class rooms	04
d. Class rooms with ICT facility	02
e. Students' laboratories	08
f. Research laboratories	06

## 39. List of doctoral, post-doctoral students and Research Associates :

## a) from the host institution/university

S. N.	Name	Doctoral/post-doctoral / Research Associate	Duration of Fellowship	Date of Registration	Status
1.	Dr. K. R. Nemade	Doctoral	2012-2014		Degree Awarded
2.	Dr. P. A. Nagpure	Doctoral	2010-2012		Degree Awarded
3.	N. S. Bajaj	Doctoral	2010-2013		Degree Awarded
4.	Sh. R.V. Barde	Doctoral	--		Degree Awarded
5.	Pratik Wankhede	Doctoral			Degree Awarded
6.	Mr.Atul B.Gawande	Doctoral			Thesis Submitted
7.	Mr.J.T.Ingle	Doctoral			Thesis

					Submitted
8.	Sh. A. R. Choudhary	Doctoral	--	15-1-2011	
9.	S. P. Bhagat	Doctoral		July 2011	
10.	Sh. A. S. Rahate	Doctoral	--	15-7-2011	
11.	Mrs. Vaishali. Thakare	Doctoral			
12.	Mr. Z. S. Khan	Doctoral	2013-till date	June 2012	
13.	Mr. D. N. Game	Doctoral			
14.	Sh. N. S. Wadatkar	Doctoral	--	15-1-2013	
15.	Mr. S. T. Taide	Doctoral			
16.	Mr. V. G. Pahurkar	Doctoral			
17.	Shri G. B. Harde	Doctoral	2014- Till Date	July 2013	
18.	Kishor Koperkar	Doctoral	--	July 2013	
19.	Sh. S. R. Takpire	Doctoral	--	15-7-2013	
20.	Sh. A. M. Kute	Doctoral	--	15-7-2013	
21.	Mr. R. Palaspagar	Doctoral			
22.	Mr. Y. S. Tamgadge	Doctoral			
23.	Chetan Palan	Doctoral	--	July 2014	
24.	Mr. Y. P. Manwar	Doctoral			
25.	A. O. Chauhan,	Doctoral	--	January 2015	
26.	N. S. Sawala	Doctoral	--	January 2015	

## b) from other institutions/universities

S. N.	Name	Doctoral/post-doctoral / Research Associate	Duration of Fellowship	Date of Registration	Status
1.	Dr. D. Chikte (Awade)	Doctoral	2012-2014		Awarded
2.	Mrs. Vaishali. Raikwar	Doctoral			Submitted
3.	Ku. Ujwala Raikwar Assistant Professor Thane Mumbai	Doctoral	--	Registered from July 2010	
4.	Ms. Mandakini Patil MAEER's MIT College of	Doctoral	--	Registered July 11	

	Engineering, Pune				
5.	Mr. A.S. Sunatkari				
6.	Miss. S.S. Talwatkar				
7.	Sadhana Sawant	Doctoral	--	January 2013	
8.	Mr. Suryakant Kalokhe				
9.	Trupti Shukla	Doctoral	--	July 2013	
10.	Mr. M.patwardhan	Doctoral			
11.	Mr. Anis				

40. Number of post graduate students getting financial assistance from the university.  
Nil
41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.  
No
42. Does the department obtain feedback from
- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?  
➤ Yes. During faculty meetings, the common resolution is submitted to HOD who is ex-officio member of BOS.
  - Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?  
➤ Yes. During faculty meetings, the common resolution is submitted to HOD and accordingly corrective measures are undertaken.
  - Alumni and employers on the programmes offered and how does the department utilize the feedback?  
➤ Yes.
43. List the **distinguished alumni** of the department with their designation and address (maximum 10)

S. N.	Name of distinguished alumni	designation	address
1	Ranjit Raman	President	C-SAC, Mexico
2	Daya Raut	Assistant commissioner	Nagpur
3	RajeshKinhikar	Principal Scientific Officer	Tata memorial, Mumbai
4	Sunil Gulhane	Assistant managing Director	BSNL, Pune
5	Sanjay Bhonge	DTO	BSNL, Panji
6	Umesh Kawalkar	DTO	BSNL, Amravati
7	Mangesh Jagtap	DTO	BSNL, Nagpur
8	Dipak Chikane	Radiologist	Lata Mangeshkar

			Hospital, Pune
9	Manisha Potdukhe	Radiologist	Tata memorial, Mumbai
10	Santosh Bobde	Assistant Professor	Bhopal
11	Amar Kakad	Assistant Director	IIG, Panvel, Mumbai.
12	Dr.G.G.Muley	Assistant Professor	SGBAU, Amravati
13	Dr. J.B.Randhawa	Assistant Professor	Govt. Engineering, Amravati

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.  
(Note: Give list and date)

S. N.	Name of the speaker with designation	Date
1	Dr. B. N. Jagtap, Head Atomic and Molecular Physics Division, BARC, Mumbai	30/01//2012
2	Dr. S.H. Behere, Former Professor and Head, BAMU, Aurangabad	30/01//2012
3	Mr. Ashish C. Gandhi	17/02/2012
4	Dr. A.G. Page, BARC, Mumbai	13/02/2012
5	Sarvalokananda Maharaj, President R. K. Math, Khar, Mumbai.	8.04.2011
6	Swami Supradiptananda, Arunachal Pradesh	8.04.2011
7	Dr. D. B. Deore Principal Mumbai	8.04.2011
8	Dr. Kamal Singh, Ex-Vice Chancellor, SGBAU	8.04.2011
9	Swami Shrikantanandaji	8.04.2011
10	Swami Supradiptanand Narottam Nagar, Arunachal Pradesh at Shri Shivaji Arts & Commers College	3.10.2011
11	Swami Tatvadnyanananda, Ramkrishna Math, Shilpa Mandir, Hawara	11.10.2011
12	Dr. T. M. Karade, Ex-VC, Indiana University	11.10.2011
13	Dr. P. Kumar Professor & Head, MIT Pune	11.10.2011
14	Dr. D, B. Deore Principal Mumbai	8.04.2011
15	Dr. T.M. Karde, Ex. Vice chancellor, Indiana University,	11.10.2011
16	Dr. Mukund Moharir San Diego Ca, 92129, USA	11.10.2011
17	Swami Shrikantanandaji	19.02.2012
18	Swami Bramhasthanada, Ramkrushna Math, Dhantoli, Nagpur	20.09.2013
19	Dr. Aniruddha Deshpande, Secretary, SVSSSS, New Delhi	20.09.2013
20	Shri Mukulji Kanitkar, Bhartiya Shikshan Mandal,	20.09.2013

	Nagpur	
21	Dr. Yashwant Sumant Head Political Science Pune University,Pune,	1.02.2013
22	Swami Nikhilatmanandaji Maharaj, Head Ramkrushna Math Alhabad U.P. (Akola Programme)	15.12.2013
23	Swami Tanmayanand Mararaj Prof. Ramkrushna Vivekanand College Ambikapur. Chhatisgh	15.12.2013
24	Dr. Vikram Sing VC, Noida International University Noida	12.01.2015
25	Swami Atmapriyanada, Vice Chancellor, Swami Vivekananda University, Belur, Hawara, Kolkata	14.01.2015
26	Swami Sarwalokananda, R.K. Math, Khar, Mumbai	14.01.2015
27	Swami Bramhasthanand, Ramkrishna Math, Dhantoli, Nagpur	14.01.2015
28	Swami Nikhileswaranada, Ram Krishna Math , Vadodara - 390 007	14.01.2015
29	Swami Tanmayananda, Ramkrishna Ashram, Ambikapur	23-25.01.2015
30	Swami Anantarananda,Ramkrishna Math, Nagpur	23-25.01.2015
31	Dr. Vivek Sunnapwar, Director Lokmanya Tilak College of Engg. Navi Mumbai	23-25.01.2015
32	Swami Yogatmanandaji,,227, Angell, ST Providence, R1, 2906 USA	30/01/2015

45. List the teaching methods adopted by the faculty for different programmes.

S. N.	Programme	Methods
1	M.Sc.	BB operation, ICT, Simulation, Scientific Audio-Video, Demonstration, Seminar presentation, Tutorials, Problem Solving sessions (NET/SET/GATE Questions), Hands on training, Proto type design and Fabrication etc.
2	Ph.D.	Seminar presentation, Literature search and drafting of the problem to be investigated, Training on sophisticated facilities to be used for investigation and defence through demonstration, Training on computer applications and various scientific software, Six monthly progress presentation and defence on planning for the next six month, paper/Article writing training, Identification of the problem with trust areas and need of the society, Motivation for publications in Impact Factor journals, Encouragement for presentation at international and national events, Training for writing minor and major research projects, etc.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
- Monitor through continuous evaluation (well separated five unit tests per paper and evaluation after change over the laboratory), feedback from stakeholders.
47. Highlight the participation of students and faculty in extension activities.
- Faculty, Staff and Students participate actively in organization of academic, sports, cultural, co-curricular, extracurricular activities planned by the university organizational responsibilities for monitoring successful and systematic management of events like Zone level sports competitions, Ashwamedha, AVISHKAR, NSD, Book Exhibition, rallies (Swami Vivekananda rally, Sant Gadge Baba rally, etc.), accommodation arrangements, hospitality arrangements, technical programme arrangements, Quiz competitions, debate competitions, seminar competitions, Physics society activity, Guest lectures etc.
- Apart from the above all faculty members are given assigned additional duties to monitor, planned and execute the activities of Swami Vivekananda Study centre, Dr. Babasaheb Ambedkar study centre, FABLAB, FIST programme, UGC innovative programme and the activities decided by the DSW, career counselling cell, life-long learning etc.
- Faculties and staffs also participate in National integration programmes like Lok Sabha election, Vidhansabha, Mahapalika, Senate elections and other allied activities.
48. Give details of “beyond syllabus scholarly activities” of the department.
- The students participate in “beyond syllabus scholarly activities” like Physics Society activity, National Science Day, AVISHKAR, Anveshan, conferences, workshops, seminar competitions and poster presentation competitions.
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.
- No, however, for evaluation of students’ performance external judges are appointed.
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- The department is actively publishing the research contributions in international/national journals, books, articles. The applied knowledge generated in the department is also attempted for getting patents.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

**Strengths:**

1. This department has competent staff (teaching and nonteaching) to run the existing programmes. The competency of the academic staff accredited by UGC which has approved a unique innovative course PG Diploma in Photonics, with financial assistance of Rs. 57 Lac & salary of two assistant professors for five years till 31<sup>st</sup> March 2018.
2. Research scholars/students are actively involved in the strategies adopted for running research programmes. They also participating teaching and evaluation activities of M.Sc. Programme.
3. The equipments purchased are of high quality and durability.
4. The atmosphere in the department is academically conducive and beneficial for encouragement and motivation.

**Weaknesses:**

1. This department is running with inadequate full time regular staff including teaching and nonteaching.
2. University Authorities have provided adequate budget for procurement of equipments fixtures and furniture items however these could not be procured in due course of time.
3. The state Govt. has provided adequate funds to the construction of building partly it is in process but there is procedural delay at PWD & Government Authorities which is making injustice.
4. The state Govt. did not accord concurrence to the two assistant professors sanctioned under the UGC-Innovative scheme which results in non commencement of the innovative programme.

**Opportunities:**

1. The subject is said to be mother of science and has got applications in diverse disciplines.
2. Researchers publish their findings in impact factor journals before thesis submission and hence the students get more opportunities before they get awarded Ph.D. degree.
3. Faculty members get more opportunities for fetching the research grants from various granting agencies.
4. The products develop by the faculties through research get attempted for patents and hence the opportunity to get research link with industry requirement.
5. The department got opportunity to start the new innovative specializations at M.Sc. level because of getting UGC innovative programme in Photonics.

**Challenges:**

1. The department has got challenge to work in the thrust areas decided by the apex bodies in Govt. of India because of the work establish in the field of
  - i. Luminescent materials ( Solid State Lighting Devices, radiation dosimetry materials of high sensitivity, luminescent concentrator for improvement in solar PV activity in acting devices, phototherapy devices diagnostic and clinical and various biomaterials for tagging and sensing applications),
  - ii. Non Linear Optical Materials (Lasers, modulators, harmonic generation),

- iii. Nano- Composites and Conducting Glasses (sensors, actuators, PV Cells, Super capacitors, Dielectrics),
  - iv. Carbonaceous Materials (Graphene QD's, CNT's, fullerene),
  - v. Photonics (optical components fabrications, interferometry for non destructive testing, machining and spectroscopy)
2. With four faculty members we are running four specializations and three vacant positions which are not being filled. It will be a challenge for this department not only to run present courses but also to introduce newer specializations in front line areas.

52. **Future plans** of the department.

- To start the PG Diploma in Photonics.
- To add value added specialization in M.Sc. Course.
- To get the minimum required staff as per the UGC norms 1+2+4 (Professor, Associate Professors and Assistant Professors). To make a follow-up getting the concurrence for the two Asst. Professors posts sanction by UGC for PG Diploma course in photonics.
- To submit the proposals for FIST-L-2 to DST.
- To submit the proposal under SAP after fulfilment of 1+2+4 staff structure.
- To submit research projects to various funding agencies on areas indicated in challenges under a (i) to (v).



## Evaluative Report of the Department

1. Name of the Department : **Chemistry**
2. Year of establishment : 1990
3. Is the Department part of a School/Faculty of the university?  
NA
4. Names of programmes offered : PG  
( UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., Diploma, P.G. Diploma, Certificate Courses, Advance Diploma etc.):

Level of the Programme	Name of the Programme	Duration	Intake capacity	Faculty
P.G.	M.Sc. (Chemistry)	2 years	30	Science
Doctoral	Ph.D. (Chemistry)	2-6 years	24	Science

5. Interdisciplinary programmes and departments involved  
NA
6. Courses in collaboration with other universities, industries, foreign institutions, etc.  
NA
7. Details of programmes discontinued, if any, with reasons  
NA
8. Examination System:
  - Semester Pattern
  - Choice Based Credit System
9. Participation of the department in the courses offered by other departments  
➤ Yes. As per CBCS.
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/Others (specify)):

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	1
Associate Professor	1	1	1
Assistant Professor	2	2	2
Other (Specify)			

11. **Faculty profile** with name, qualification, designation, area of specialization, experience and research under guidance:

S. N.	Name	Qualification	Designation	Gender (M/F)	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 years
1	Dr A S Aswar	Ph.D.	Prof.	M	Inorganic Chemistry	25	06
2	Dr Rajendra Prasad	Ph.D.	Associate Prof.	M	Theoretical & Computational Quantum Chemistry	11	Nil
3	Ku Jagruti Barabde	M.Sc.	Assistant Prof.	F	Organic Chemistry	9.5	Nil
4	Dr Manisha Kodape	Ph.D.	Assistant Prof.	F	Organic Chemistry	10	Nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

Year	Name of senior Visiting Fellows	Name of adjunct faculty	Name of emeritus professors
2014-15	Dr. M. S. Wadia	-	-
	Dr. R. S. Siddique	-	-
2012-13	Dr. M.S. Wadia	-	-
	Dr. T.K. Chaundekar	-	-
2011-12	Prof. M.S Wadia	-	-
	Prof. A. Pal	-	-

13. Percentage of classes taken by temporary faculty- programme wise information:

S. N.	Year	No. of CHB	% of classes taken
1	2014-15	17	65
2	2013-14	18	70
3	2012-13	20	70
4	2011-12	19	70
5	2010-11	17	60

14. Programme-wise Student Teacher Ratio (*include only permanent staff*) :

S. N.	Year	Student Teacher Ratio
1	2014-15	15:1
2	2013-14	15:1
3	2012-13	15:1
4	2011-12	15:1
5	2010-11	20:1

## 15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

S. N.	Name of the Post	No. of Sanctioned Posts	No. of Filled Posts	No. of Vacant Posts
1	Lab Technician	1	1	0
2	Lab Attendant	2	2	0

## 16. Research thrust areas as recognized by major funding agencies:

- DST: Theoretical & Computational Quantum Chemistry
- UGC: Catalysis

17. **Number of faculty with ongoing projects** from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

S. N.	Name of Faculty (PI/Co-PI)	Title of Project	Funding Agency	Total Grants Sanctioned	Status National/ International	Duration & Year of Sanction	Ongoing/ Completed
1	Dr Rajendra Prasad	The Fermion Sign Problem in the quantum diffusion Monte Carlo Simulation	DST	11.3 Lacs	National	3 years (2011-12)	Ongoing
2	J.W.Dhore	“Biologically Active Transition Metal Chelates With Heterocyclic Schiff Bases: Synthesis, Characterization and Biological Screening”	UGC	1 Lac	National	2Years (2010-11)	Completed

18. Inter-institutional collaborative projects and associated grants sanctioned:

Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants sanctioned:

Nil

20. Research facility / centre :

Details of Facilities and Major Equipments for Research (more than 1 Lac) available in the Department:

S. N.	Name of Equipment
01	Magnetic Susceptibility Balance Sherwood
02	Gas Chromatograph, Microprocessor Based, NETAL make
03	Ultrasonic Interferometer - nano fluid Mittal make
04	Ice Cube Machine, Blue star make
05	Raga's Microwave Synthesis System Make Ragatech RG31L
06	Rotary Vacuum Evaporator, Make Equitron ROTEVA
07	Raga's Microwave Synthesis System Make Ragatech RG31L1
08	Rotary Vacuum Evaporator, Make Equitron ROTEVA
09	UV Spectrophotometer Carry 60
10	Shimadzu , UV Spectrophotometer UV 1800
11	Multichamber Waterbath, Biogene make

21. Special research laboratories sponsored by / created by industry or corporate bodies

Nil

22. Details of Publications:

22.1 **Research Articles/Publication:**

Sr. No.	Name of Authors	Title of Paper	Name of the Journal and Vol. No., Year, Page No.	Status National/ International	ISSN/ ISBN No of Journal	Impact Factor	h-Index	Citation Index	Listed in International Database
1	Ratna Chauhanb, Sami Auvinenc, A.S. Adityad, Manoj Trivedie, Rajendra Prasadf, Matti Alataloc, Dinesh P. Amalnerkarb,	Light harvesting properties of ferrocenyl based sensitizer with sulfur rich dithiocarbamates and xanthate as anchoring group	Solar Energy 108(2014) 560-569	Int	0038-092X	3.541			

	Abhinav Kumara,								
2	Aswar A.S Yaul S.R. Kalaskar S., Makode J.T., Yaul A.R.	Synthesis and Characterization of Tridentate ONO Schiff Base Complexes of Tri/Tetra-Valent Transition Metals	J. Basic. Appl. Chem., 4(8), 11, 2014	Inter. Nat.	2090-424X				
3	Aswar A.S., Surwanshi N.J. Yaul A.R. Pethe G.B	Synthesis, Characterization and Biological Studies of Some Transition Metal Chelates derived from Hydrazone Schiff Base ligand,	Jordan Journal of Chem. 9 (3), 199,2014	Inter. Nat.	1814-9111				
4	Aswar A.S., Yaul A.R. Rahangdale M. K. Pethe G.B	Synthesis, physicochemical and antibacterial studies of transition metal chelates involving tetradentate Schiff base.	J.Indian Chem.Soc.,91 ,1891, 2014.		0019-4522				
5	Aswar A.S., Yaul A.R. Pethe G.B	Synthesis, spectroscopic characterization and catalytic studies of some Oxovanadium (IV) complexes of tetradentate Schiff base ligands,	Revue Roumaine de Chimie, 59(1),15,2014	Inter. Nat.	0376-4710				
6	Aswar A.S.,Ladole C.A , Bhaskar R.S. Salunkhe N.G.	A microwave-assisted synthesis of 3,4-dihydropyrimidin-2(1H)-one/thione derivatives using nanocrystalline MgFe <sub>2</sub> O <sub>4</sub> as catalyst	European J Chem.,5(1),1 22,2014.		2153-2249	1.38			
7	Aswar A.S., Rahangdale M.K. Yaul A.R	Synthesis, Characterization and Thermal behaviour of VO(IV), MoO <sub>2</sub> (VI), UO <sub>2</sub> (VI) complexes of Hexadentate Tetraanionic Ligand	Int. J. Chem. Phy.Sci.2(3), 379,2013	Inter. Nat.	2319-6602				
8	J. M. Barabde(Dhore)  N. R. Agrawal , G. D. Thorat and G. B. Pethe	SYNTHETIC, STRUCTURAL, MAGNETIC AND TGA STUDIES OF SOME COPPER COMPLEXES OF HETEROCYCLIC LIGANDS	International journal of researches in biosciences, agriculture and Technology	International	2347-517X				

9	J M Barabde et al.	Synthetic, Structural, Magnetic, TGA and biological Studies of Some Copper Complexes of heterocyclic Schiff Base ligands	Research Journal of Pharmaceutical, Biological and Chemical Sciences	International	ISSN: 0975-8585				
10	Ashok Kumar Singh <sup>a*</sup> , Gunjan Saxena <sup>a</sup> , Rajendra Prasad <sup>b</sup> and Abhinav Kumar <sup>a*</sup>	Synthesis, Characterization and Calculated Non-Linear Optical Properties of Two New Chalcones	J. Mol. Struct. 1017(2012) 26-31	Int	0022 - 2860	1.599			
11	I. Ahamad <sup>1</sup> , R. Prasad <sup>2</sup> , Eno E. Ebenso <sup>3</sup> , M.A. Quraishi <sup>1,*</sup>	Electrochemical and Quantum Chemical Study of Albendazole as Corrosion Inhibitor for Mild Steel in Hydrochloric Acid Solution	Int. J. Electrochem. Sci. : 7 (2012) 3436 - 3452	Int	1452 - 3981	3.729			
12	Sheenu Bhadauria <sup>a</sup> , Samidha Saxena <sup>a</sup> , Rajendra Prasad <sup>a</sup> , Prabhakar Sharma <sup>a</sup> , Rajendra Prasad <sup>b</sup> , and Reena Dwivedi <sup>a*</sup>	Synthesis of ethylene carbonate from cyclocondensation of ethylene glycol and urea over ZnO.Cr <sub>2</sub> O <sub>3</sub> catalyst system Controlled by Co-precipitation Method	European Journal of Chemistry 3(2012) 235-240	Int	2153 - 2257				
13	S.K. Roy, Rajendra Prasad, Sambhu N. Datta, P. Chandra	Electron correlation and relativistic effects in atomic structure calculations of Th <sup>+</sup> , Th <sup>2+</sup> ions	Chemical Physics Letters 550(2012) 25-32	Int	0009 - 2614	2.33			
14	Aswar A.S., Rahangdale M.K. Pethe G.B	Synthesis, Characterization, Antibacterial and Thermal Studies of Mn(II), Fe(III), Co(II), Ni(II) Cu(II), Zn(II) and Cd(II) Complexes of ONNO Type Schiff Base Ligand	Int. J. Chem. 2(3),379,2013	Inter. Nat.	2249 - 2119	0.34			

15	A.S.Aswar, P.K.Gautam R.S.Saroj	Theoretical estimation of Isobaric thermal expansivity of Polyethylene glycol (PEG) + water from density data over a wide temperature range (283.15 K to 363.15 K)	Int. J. Green Chem.& Bioprocess. 3(4),38,,2013.	Inter. Nat.	2277 - 7199	0.58			
16	Aswar A.S., Suryawanshi N.J., Bhadange,S. P ethe G.B	Synthesis, Characterization, Thermal,Electrical ,Conductivity and Biological Studies of Schiff Base Metal Complexes	J.IndianChem.Soc .,90,1327,2013		0019 - 4522				
17	Aswar A.S., Dupare D.B. MurhekarG.H. andShirsat M.D	Sensing ability for Trimethylamine and Ammonia Vapor of SnO2 doped pani-pvaComposite,	Int.J.Basic& Appl.Resh.. 4,86, 2013.	Inter. Nat.	2249 - 3352				
18	Aswar A.S., DupareD.B.and dShirsat M.D.,	Sensing properties of MnO2-Doped polyaniline/polyvinyl alcohol Blend	Int.J.Resh.Engg.&Tech. 2(12), 308, 2013	Inter. Nat.	2321 - 7308	0.66			
19	Aswar A.S. Choudhary D.S	Ultrasonic speed of 2-hydroxy-5-methyl-3-nitro acetophenone in DMF at different temperatures	J. Ethiopian Chem. Soc .,27(1),155, 2013.	Inter. Nat.					
20	Aswar A.S SatapathyP.K. Baral D.K. Mohanty P	Kinetics and mechanism of oxidation of vanillin by Cerium (IV) in aqueous perchlorate medium,	Ind.J.Chem. Tech.,20,271,2013.		0975 - 0991	0.67			
21	Aswar A.S. Yaul A.R., Pethe G.B Deshmukh R.D	Vanadium complexes with quadridentate Schiff basesSynthesis, characterization, thermal and catalytic studies,	J Therm Anal Calorim., 113, 745, 2013.	Inter. Nat.		1.78			
22	Aswar A.S .Sathe D.J., Chate P.A., HankareP.P,	A novel route for synthesis, characterization of molybdenum	J.Mater.Chem.(Mater.El electron.), 24(2),438,2	Inter. Nat.	1070 - 3284	0.57			

	Manikshete A.H.,	diselenide thin films and their photovoltaic applications,	013.						
23	Aswar A.S, et al	Synthesis and Characterization of Dioxotungsten (VI) and Dioxomolybdenum (VI) Complexes of Chelating Hydrazone via Their Oxoperoxo Complexes	World J.Chem,8(2),38,2013	Inter. Nat.	1817 - 3128	.48			
24	Aswar A.S, et al	Synthesis, Characterization, biological and electrical conductivity studies of some Schiff base metal complexes,	Bull. Chem. Soc. Ethiop 28(2), 255,2014	Inter. Nat.	1011 - 3924	0.49			
25	Aswar A.S, et al	Volumetric, Viscometric, Acoustical, and Optical studies of Glutamic Acid in aqueous Zinc and Copper Chloride solutions,.	Rus.J. Phy. Chem 7(1), 11, 2013 .	Inter. Nat.	1990 - 7931	0.58			
26	Aswar A.S, et al	Vanadium complexes with quadridentate Schiff bases: Synthesis, characterization, thermal and catalytic studies,	J Therm Anal Calorim. ,113,745,2013	Inter. Nat.	1388 - 6150	1.78			
27	Aswar A.S, et al	Densities, Ultrasonic speed of 2-hydroxy-5-methyl-3-nitroacetophenone in DMF at different temperatures,.	J. Ethiopian Chem. Soc, ,27(1),1,2013	Inter. Nat.	1011 - 3924	0.38			
28	Kodape M.M., Aswar A.S. Gawhale N.D., Humne V.T., Mir B.A.	Facile aromatization of 3,4-dihydropyrimidine-2(1H)-ones (DHPMS) by	Chinese Chem. Letters 23,1339, 2012	International		1.21			



		iodine							
29	Manisha M. Kodape*, Nandkishor D. Gawhale <sup>a</sup> , Digvijay D. Kamble <sup>b</sup> , Suverna A. Dabhade, Nikita V. Awajare,	Green Chemistry Approach For Synthesis Of Derivatives Of Coumarin And Comparative Study By Fluorescence Spectrophotometer	Sci. Revs. Chem. Commun. 2(3), 201-205, 2012	Inter national	2277 - 2669				
30	S.R. Aswale <sup>1</sup> , S.S. Aswale <sup>1</sup> , N.D. Gawhale <sup>2</sup> and M.M.	Synthesis of 2-Hydroxy-3-(3-Substituted-Thiamido)Amino-5-Methyl-a-Bromoacetophenones	Asian Journal of Chemistry Vol. 24, No. 125797-5799. 2012	Inter national					
31	S.R. Aswale <sup>1</sup> , S.S. Aswale <sup>1</sup> , N.D. Gawhale <sup>2</sup> and M.M. Kodape <sup>3</sup>	Synthesis of 2-Hydroxy-3-nitro/amino-5-methyl-a-substitutedthiocarbamidoacetophenones	Asian Journal of Chemistry Vol. 24, No. 125800-5802. 2012	Inter national					
32	S. K. Roy, Rajendra Prasad, P. Chandra	Electron correlation and relativistic effects in atomic structure calculations of the Th atom	J. Chem. Phys. 134 (2011) 234302	Int	0021-9606	3.14			
33	Vikram Singh, Abhinav Kumar, Rajendra Prasad, Gunjan Rajput, Michael G. B. Drew and Nanhai Singh	The interplay of secondary Hg <sup>***</sup> S, Hg <sup>***</sup> N and Hg <sup>***</sup> $\pi$ bonding interactions in supramolecular structures of phenylmercury(II) dithiocarbamates	Cryst Eng Comm 13(2011) 6817-6826	Int	1466-8033	3.88			
34	Aswar A.S. KodapeM.M. Gawhale, N.D. Humne V.T. and Mir B.A.	Facile aromatization of 3,4-dihydropyrimidine-2(1H)-ones(DHPMS) by iodine,	Chinese Chem. Letters, 23, 1339, 2012.	Int	1001-8417				
35	Aswar A.S. and Umaley K.D,	Thermodynamic Studies of Glutamic Acid-Metal Chloride systems,	Rus.J.Phy.Chem., 32,44, 2012	Int					
36	Aswar A.S. Dikker.A.B	Thermodynamic ultrasonic and refractive index measurement of hydrazones in Dimethylformamide at different temperatures,	J.Ind.Chem.Soc. 89, 1507, 2012.	Int	0019-4522	0.4			

37	Aswar A.S. and Umaley K.D	Molecular interaction of Aspartic Acid in aqueous metal chloride solutions – Volumetric, Viscometric, Acoustical, and Optical studies,	Ind.J.Chem.Tech. 19,295, 2012.	Int	0975-0991	0.66			
38	Aswar A.S. Pethe G.B. Umaley K.D	Volumetric, Viscometric, Acoustical, and Optical studies of Caffeine in aqueous metal chloride solutions	Inventi, 1, 2012	Int	0975-8585	0.53			
39	Aswar A.S., Yaul A.R. Pethe G.B	Synthesis, spectral, thermal, catalytic and biological studies of some transition metal complexes with unsymmetrical Schiff base ligand	J.Indian Chem.Soc. 89, 725, 2012.	Int	0019-4522	0.48			
40	Aswar A.S Vyawahare Y.K	Synthesis, Characterization and Catalytic Application of MOR Zeolite for Alkylation of Benzene to Cumene	Rev. Roum. Chim. 57(2), 107, 2012	Int	0035-3930	0.48			
41	Aswar A.S. Choudhary D.S.,	Apparent molar volume and apparent molar adiabatic compressibility of 2-hydroxy-5-methyl acetophenone in N,N-dimethylformamide at different temperatures	J Therm Anal Calorim. 107, (1), 21, 2012.	Int	1388-6150	1.75			
42	Aswar A.S., Yaul A.R. Pethe G.B,	Synthetic, spectroscopic and thermal studies of some complexes of unsymmetrical Schiff base ligand,	J Therm Anal Calorim.	Int	1388-6150	1.75			
43	Mrs. J. M. Barabde	Synthesis, Characterization and Biological Studies of Some Triazolyl Isonicotinamide	Arch. Appl. Sci. Res.	International	0975-508X				
44	Manisha Kodape*	Haematological And Behavioural Studies Of Fresh Water Fish, Channa Orientalis (Sch) Exposed To Novel Derivative Of 1, 3,	The Bioscan, 7(1) : 165-169, 2012	International	0973-7049				

		5-Triazine							
45	S. K. Sengupta and Rajendra Prasad	On the origin of anomalous substituent effect on $^{13}\text{C}$ chemical shift of carboxyl carbon ( $\delta_{\text{co}}$ ) in m-substituted benzoic acids: a critical investigation	Aust J. Chem. 63 (2010) 321-328	Int.	0004-9425	2.45		Sci enc e cita tion ind ex	Web of Science
46	Ishtiaque Ahamad, Rajendra Prasad, M.A. Quraishi	Thermodynamic, electrochemical and quantum chemical investigation of some Schiff bases as corrosion inhibitors for mild steel in hydrochloric acid solutions	Corrosion Sci. 52 (2010) 933-942	Int.	0010-938X	3.261			
47	Nanhai Singh, Abhinav Kumar, Rajendra Prasad, Kieran C. Molloy, and Mary F. Mahon	Syntheses, crystal, photoluminescence and electrochemical investigation of some new phenylmercury(II) dithiocarbamate complexes involving ferrocene	Dalton Trans 39 (2010) 2667-2675 ISSN: Pub: Royal Society of Chemistry, UK Impact factor: 4.081	Int	1477-9226	4.081			
48	Ishtiaque Ahamad, Rajendra Prasad, M.A. Quraishi	Experimental and theoretical investigations of adsorption of fexofenadine at mild steel/hydrochloric acid interface as corrosion inhibitor	J Solid State Electro 14 (2010) 2095-2105	Int	1432-8488	2.234			
49	Ishtiaque Ahamad, Rajendra Prasad, M.A. Quraishi	Adsorption and inhibitive properties of some new Mannich bases of Isatin derivatives on corrosion of mild steel in acidic media	Corrosion Sci. 52 (2010) 1472-1481	Int	0010-938X	3.261			
50	Ishtiaque Ahamad, Rajendra Prasad, M.A. Quraishi	Inhibition of mild steel corrosion in acid solution by Pheniramine drug: Experimental and theoretical study Corrosion Science	Corrosion Sci. 52 (2010) 3033-3041	Int	0010-938X	3.261			
51	Jyotsna Chaturvedi, Subrato Bhattacharya, Rajendra Prasad	Novel heterobimetallic thiocarboxylato complexes: synthesis, characterization and application as single source precursor for ternary chalcogenides	Dalton Trans 39 (2010) 8725-8732	Int	1477-9226	4.081			

52	Ishtiaque Ahamad, M.A. Quraishi, Rajendra Prasad	Experimental and quantum chemical characterization of the adsorption of some Schiff base compounds of phthaloyl thiocarbohydrazide on the mild steel in acid solutions	Mat Chem Phys 124 (2010) 1155-1165	Int	0254-0584	2.353			
53	Ishtiaque Ahamad, M.A. Quraishi, Rajendra Prasad	An experimental and theoretical investigation of adsorption characteristics of a Schiff base compound as corrosion inhibitor at mild steel/hydrochloric acid interface	J. Appl Electrochem 40 (2010) 2171-2183	Int	0021-891X	1.494			
54	Aswar A.S., Dupare D.B Shirsat M.D.,	Synthesis and characterization of polypyrrole-polyvinyl alcohol composite film with various organic acids dopants and their gas sensing behaviour,	Indian.J.Chem. Tech. 18, 446, 2011	National	0971-457X	0.60			
55	Aswar A.S., Yaul A.R. Pethe G.B,	Synthesis, Characterization and catalytic studies of some coordination compounds derived from unsymmetrical quadridentate Schiff base ligand,	Russian J.Gen.Chem., 81,(11),2304, 2011	Inter. Nat.	1070-3632	0.59			
56	Aswar A.S., Yaul A.R. Rahangdale M. K. Pethe G.B, ,	Synthesis, Spectral Characterization and Antimicrobial Studies of some Transition Metal Complexes with ONNO-donor tetradentate ligand	Research J. Pharma., Bio. and Chem. Sciences, 2 (3 ), 341-48, 2011	Inter. Nat.	0975-8585				
57	Aswar A.S. Joshi M.D.,	Extractive Spectrophotometric Determination of vanadium (VI) with 2-hydroxy-5-methylacetophenone isonicotinoylhydrazide (HMAINH),	J.IndianChem.Soc., 88, 1453, 2011	National	0019-4522				
58	Aswar A.S., Yaul S.R., Yaul A.R. Dhande V.V.,	Transition metal complexes containing tridentate hydrazone Schiff-bases: synthesis, characterization and	J.IndianChem.Soc., 88,775,2011	National	0019-4522	0.49			

		biological activity,							
59	Aswar A.S., Bhadange S G , Dhande V.V.,Yaul A.R.	Synthesis, Structural Studies and Biological Activity of Dioxomolybdenum(VI),Dioxotungsten(VI), Thorium(IV) and Dioxouranium(VI) Complexes with 2-Hydroxy-5-Methyl and 2-Hydroxy-5-Chloroacetophenone Benzoylhydrazon	Russian J Inorganic Chem.,56(4), 1,2011	Inter. Nat.	1070-3284	0.57			
60	Aswar A.S., Vyawahare Y.K., Chumbhale V.R., Pardhy S.A. Samuel V.,	Gas-phase oxidant-free oxidation of cyclohexanol over V <sub>2</sub> O <sub>5</sub> -MoO <sub>3</sub> -M <sub>2</sub> O (M=Na ,K, Cs) Catalysts	Indian J.Chem.Tec., 17,43,2010.	National					
61	Aswar A.S, Yaul A.R. Pethe G.B	Synthesis, Spectral, Catalytic and Thermal Studies of Vanadium Complexes with 10	Russian J. Coordination Chem.36(4),2 56,2010	Inter. Nat.	1070_3284	0.60			
62	Aswar A.S, Yaul A.R Pardhi A.V.,	Synthesis ,Characterization, Electrical Conductivity and Catalytic Studies of Some Coordination Polymers of Salen Type Schiff Base,	Russian J Inorganic Chem.,36(4), 1,2010	Inter. Nat.	1070_3284	0.37			
63	Aswar A.S., Yaul A.R., Devhade J.B. and Pethe G.B	Synthesis and Characterization of Some Chelate Polymers of Poly Schiff Base Ligand	Der Pharma Chemica, 2(3), 301, 2010.	Inter. Nat.	0975-413X	0.32			
64	Aswar A.S., and Joshi M.D.,	Extractive Spectrophotometric Determination of Molybdenum (VI) with 2-hydroxy-5-methylacetophenone isonicotinoylhydrazonone(HMAINH) .	Reviews in Anal.Chem.,2 9(2),69,2010.	Inter. Nat.	0019-4522	0.49			
65	Aswar A.S., Yaul A.R., Deshmukh P.S. Bhojane J.N. S.	Synthesis, Characterization and thermogravimetric studies of some Metal Complexes with N <sub>2</sub> O <sub>2</sub> Schiff bases,	J. World Applied Sci.,9(11),13 01,2010	Inter. Nat.	1818-4952	0.23			
66	Aswar A.S Yaul A.R. Dhande V.V	Synthesis, Characterization, Electrical and Biological Studies of	Rev.Roum.C hem,55(9),53 7,2010	Inter. Nat.	0376-4710	0.58			

		VO(IV), MoO <sub>2</sub> (VI), WO <sub>2</sub> (VI), Th(IV) and UO <sub>2</sub> (VI) Complexes with Hydrazone Ligand							
67	Aswar A.S., hadange S G , Pethe G B Joshi M.D.,	Extractive Spectrophotometric Determination of Palladium(II) with 2-hydroxy-5-methylacetophenone isonicotinoylhydrazide (HMAINH),	Adv. Sci. 1(2), 2010.	Appl. Res., 58,	Inter. Nat.	0976-8610	0.49		

## 22.2 Books Written/ Edited:

Nil

## 22.3 Monographs/ Chapters in Book/s Written/Edited:

S. N.	Name of Authors	Title of Book	Title of Chapter	Name of Publisher	ISSN/ISBN No.	Page No.	Contributed As (Editor/ Author)
1	Dr.A.S.Aswar	A Text Book of Chemistry	Coordination compounds	AUCTA	13 978-81-926163	52-83	Author

## 22.4 Publications in Conference/Seminar Proceedings:

Sr. No.	Name of Authors	Title of Paper	Name of the Conference/ Seminar/ Workshop	Status National/ International	ISSN/ ISBN No (if any)	Name of Organizing Agency	Duration and Date	Vol. & Page No. of Proceedings
1	Dr. A. S. Aswar	Sensing ability for trimethyl ammine and ammonia vapor of SnO <sub>2</sub> doped PANI-PVA Composites	Nat. Conf. on Mater. Sci. :Trend & Future, Jan. , 2014	National		Bharatiya Mahavidyalaya, Amravati	Jan. 2014	
2	Mrs. J. M. Barabde( Dhore & Dr. H. M. Meshram	Synthesis of some new bis-Schiff-base compounds from bis- Triazoles	Sustainable Chemistry: Frontiers and Challenges	National	-	B. B. Science College Amravati	30-310 Jan 2015	
3	Mrs. J. M. Barabde( Dhore & Dr. H. M. Meshram	Synthesis and Characterization of novel Schiff bases derived from Thiocarbohydrazide	International conference on futuristic Materials	International		Deptt. of Chemistry , RTM Nagpur University Nagpur	5-7 Feb 2015	

4	Dr. A. S. Aswar	Influence of Mn addition on magnetic and structural properties of barium hexaferrite, 1536, 961, 2013.	Int .Conf. on Recent Trends in Appl. Phy. and Mater. Sci.,Feb.2013	Internati onal	987-0-7354	Govt. College of Eng. & Tech., Bikaner, Rajasthan	Feb. 2013	
5	Mrs. J. M. Barabde( Dhore & Nilesh Manwar	Synthesis,Characte rization and antimicrobial study of Some substituted Tetrazocines	Frontier Areas in Chemistry	National	Natio nal confe re	Shri Shivaji Science college , Amravati	2- Days Oct 203	
6	J. M. Barabde( Dhore) N. R. Agrawal , G. D. Thorat and G. B. Pethe	SYNTHETIC, STRUCTURAL, MAGNETIC AND TGA STUDIES OF SOME COPPER COMPLEXES OF HETEROCYCLIC LIGANDS	Applications of advanced materials for sustainable development	Internati onal	Intern ationa l Confe rence	Dr. Ambedkar college & NEERI Nagpur	2 Days 17-18 Jan 2014	
7	Mrs. J. M. Barabde( Dhore & Nilesh Manwar	Synthesis and Characterization of Some Oxadiazole Derivatives	“Recent Trends in Material Preparation & Characterizatio n”	National		Department of Chemistry & Physics Shri Shivaji Arts, Commerce & Science College, Akot	1 day 24-Feb 2014	
8	Mrs. J. M. Barabde( Dhore & Mohsin Mohammad, Mohammad Shoeb Sheikh Nazeer, Pravin R. Malasane	Synthesis and Characterization of Some Quinolones .	International conference on Emerging Trends in Chemical Sciences	Internati onal		School of Chemical Sciences, Central University of Gujarat. Gandhinagar	2 Days 14-15M Arch 2013	
9	Mrs. J. M. Barabde( Dhore & Mohsin Mohammad, Mohammad Shoeb Sheikh Nazeer,	Synthesis and Characterization of Some Oxoquinoliny l thiourea	National conference on Nano Materials	National		Shri shivaji science College nagpur	1 Day 28-Feb 2013	
10	Dr. A. S. Aswar	Polymer Metal Complexes:	Proceedings of the National	National		L T College,		

		Synthesis, Characterization and Catalytic Application	Conference recent researches in Chemistry, Wani			Wani, Dist. Yavatmal		
11	Dr. A. S. Aswar	Structural and Electrical Properties of some Transition Metal complexes of Bis-Tridentate Schiff base ligand	Proceedings of the National Conference recent researches in Chemistry ,Wani	National		L T College, Wani, Dist. Yavatmal		
12	Dr. A. S. Aswar	Synthesis and TGA studies of some Schiff base complexes	Proceedings of the National Conference recent researches in Chemistry ,Wani	National		L T College, Wani, Dist. Yavatmal		
13	Dr. A. S. Aswar	Synthesis, Characterization and Thermal studies of Thiazole Schiff base Complexes of Co(II), Ni(II),Cr(III),Mn(II I), Fe(III),VO(IV),Zr( IV),and UO <sub>2</sub> (VI).	Proceedings of the National Conference recent researches in Chemistry ,Wani	National		L T College, Wani, Dist. Yavatmal		
14	Dr. A. S. Aswar	HIO <sub>3</sub> doped PANI-PVA Composites films as a Gas sensors	Proceedings of the National Conference on Advanced Technologies In Material Science and Their Application, Arvi	National		L T College, Wani, Dist. Yavatmal		
15	Mrs. J. M. Barabde( Dhore & G. D. Thorat	Synthesis, Characterization And Biological Screening of some 3,4,5-substituted 1,2,4-Triazole	' Role of Basic Sciences in Emerging Industrial Scenario	National	- National conference	ISTE and Prof. Ram Meghe Institute Of Technology Badnera	1 Day 8 a Pril 2012	

23. Details of patents & income generated :

Nil



24. Areas of **consultancy** and income generated:  
Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:

S. N.	Year	Name of the Faculty	Name of the Laboratory / Institute / Industry visited	Status (National/International)	Duration
1	2010-11	Dr.A.S.Aswar	King Abdullah University of Science and Technology, Thuwal Saudi Arabia,	International	3 days 2011

26. Faculty serving on  
a) National committees b) International committees c) Editorial Boards d) any other (please specify):

- Dr A S Aswar:
  1. Scientist In-Charge, Industrial & Applied Chemistry Section, Indian Chemical Society, Kolkata, 2011-2013.
  1. Member, RDC, H.P. University, Shimla (H.P.) 2011- 13
  2. Member, BOS in Chemistry, Pt.Ravishankar Shukla University, Raipur (CG) for the period 2011-2014.
  3. RDC in Chemistry, Dr. BRA University, Agra (UP); 2009-11.
  4. Member, BOS in Chemistry , Dr. BAMU, Aurangabad for the period 2011-15
  5. UGC Nominee, DRS-1, DST-FIST, M.S. University, Baroda 2011-2015
  6. Vice-President, Council of surface Science and Catalysis, Indore, 2014-2017.
  7. Member, BOS in Chemistry, DAV, Indore (M.P).2011-2013.
  8. Council Member, Indian Chemical Society, Kolkata, 2014-2017.

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

➤ Faculties are motivated to attend Refresher/ Orientation/ Workshops/ Specialized Training Programmes/ Industrial Interaction to achieve excellence in teaching and research.

28. Student projects:

- Percentage of students who have done in-house projects including inter-departmental projects: 100 %
- Percentage of students doing projects in collaboration with other universities/ industry / institute: 3%

29. Awards / Recognitions received at the National and International level by

- Faculty
- Doctoral / Post Doctoral Fellows
- Students

S. N.	Year	Name of the Faculty <sup>1</sup> /Doctoral <sup>2</sup> / post Doctoral Fellow <sup>3</sup> /Student <sup>4</sup>	Award / Recognition	Conferring Organization	Level (National/International)
1	2014-15	A.R.Yaul	Best Paper Award	B.B.Science College, Amravati	National
2	2013-14	Mr.C.A.Ladole	Best Paper Award	Punjab University Chandigarh	National

30. Conferences/Seminars/Workshops organized by Department:  
Nil

31. Code of ethics for research followed by the departments :  
 ➤ Scientific integrity in tune with principles of good research practices (GRP).  
 ➤ Emphasis on original and genuine research  
 ➤ Transparency and purity.

32. Student profile programme-wise:

Year	Admitted to First Year of the Course			Pass Percentage of Students	
	Boys	Girls	Total	Boys	Girls
2014-15	12	18	30	--	--
2013-14	10	20	30	17.39	82.61
2012-13	6	23	29	20.69	79.31
2011-12	5	24	29	19.05	80.95
2010-11	12	18	30	34.48	65.52

33. Diversity of students

Name of the Programme	Year	Percentage of students from the same university	Percentage of students from other universities within the State	Percentage of students from Universities outside the State	Percentage of students from other countries
M.Sc. (Chemistry)	2014-15	80	13.33	6.67	0
	2013-14	83.33	16.67	0	0
	2012-13	86.21	10.34	3.45	0
	2011-12	82.76	10.34	10.9.	0
	2010-11	80	13.33	6.67	0

34. How many students have cleared Civil Services and Defense Services examinations, NET,

SET, GATE and other competitive examinations? Give details category-wise:

S. N.	Name of Candidate	Qualified for
		NET-LS/NET-JRF/SET/GATE/Any other
2010-2011		
1	Mr. K.P. Barange	NET-LS
2	Mr. G.D. Thorat	GATE
2011-2012		
1	Mr. M. Y. Lone	NET-LS
2	Mr. R. Nabi	NET-LS
2012-2013		
1	Mr. Z. S. Sheikh	NET-LS/GATE
2	Mr. S. B. Nikam	NET-JRF/GATE
3	Mr. B. A. Mir	GATE

35. Student progression:

	Student progression	Percentage against enrolled
	UG to PG	Not Applicable
	PG to M.Phil.	Not Available
	PG to Ph.D.	20 %
	Ph.D. to Post-Doctoral	-
	Employed	
<input type="checkbox"/>	Campus selection	
<input type="checkbox"/>	Other than campus recruitment	20% Other than campus recruitment
	Entrepreneurs	Not available

36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	50%
from other universities within the State	75%
from universities from other States from	25%
universities outside the country	Nil

37. Number and Name of the faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

- Manisha Kodape, awarded Ph.D. in July 2012.

38. Present details of departmental infrastructural facilities with regard to :

- a) Library : 01
- b) Internet facilities for staff and students :  
Yes we have Wi-Fi net connection. One personal computer has been given to every teacher. 20 computers are available for students with internet connectivity.
- c) Total number of class rooms : 02
- d) Class rooms with ICT facility : 02
- e) Students' laboratories : 03
- f) Research laboratories: 01

39. List of doctoral, post-doctoral students and Research Associates :

- a) from the host institution/university

S. N.	Name	Doctoral/post-doctoral / Research Associate
1.	Shri A.K. Maldhure	Doctoral (19.1.2011)
2.	Shri G.B. Pethe	Doctoral (20.12.2011)
3.	Shri A.R. Yaul	Doctoral (14.2.2013)
4.	Shri M.K. Rahangdale	Doctoral (11.7. 2013)
5.	Shri. N.J. Suryawanshi	Doctoral (22.8.2013)
6.	Shri J.B. Devhade	Doctoral (12.12.2014)
7.	Ku. D.S. Choudhari	Doctoral (12.12.2014)
8.	Ku. A.B. Dikkar	Doctoral (12.12.2014)
9.	Shri Y.K. Vyawahare	15/01/2011
10.	Shri R.S. Bhaskar	15/01/2011
11.	Shri C.A. Ladole	15/07/2012
12.	Shri. N.G. Salunkhe	15/07/2012
13.	Shri G.M. Dongare	15/01/2013
14.	Ku. K.A. Thakare	15/01/2014
15.	Ku. N.V. Thakare	15/01/2014
16.	Ku. A. R. Sadawarte	15/01/2015
17.	Ku. A. A. Wadurkar	15/01/2015

- b) from other institutions/universities

Nil

40. Number of post graduate students getting financial assistance from the university.

Nil

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

No

42. Does the department obtain feedback from

- i. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
    - No.
  - ii. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
    - Yes, department obtained feedback from students on staff in academic session 2010-2011.
  - iii. Alumni and employers on the programmes offered and how does the department utilize the feedback?
    - No. However alumni and employers are visiting the departments during conferences and seminars, for some they are sponsoring too. During that course, their suggestions for the improvement of the department, faculty and students are well received and reciprocated.
43. List the **distinguished alumni** of the department with their designation and address:
1. Vivek Polshettiwar, Reader, Tata Institute of Fundamental Research (TIFR), Mumbai, India
  2. S. G. Bhadange, Principal, Shri Shivaji College, Akola.
  3. S. R. Thakre, Associate Professor, Institute of Science, Nagpur.
  4. D. M. Raut, R & D Manager, Hyderabad
  5. Gajanan Kasawar, Manager at Dr. Reddy's Lab Hyderabad Area, India
  6. R. G. Mahale, S S V P College, Dhule
  7. S. U. Patil, Associate Professor, Mumbai
  8. J. M. Gajbhiye, Scientist, NCL Pune.
  9. S. M. Bunde, R&D, Lupin, Bhopal
  10. Mukhtar Shekh, Wokhard, Aurangabad
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.
- | S. N. | Name of activity  | date                        |
|-------|---|-----------------------------|
| 1     | Ozone day one day workshop on "Preservation Of Ozone Layer For Protection Of Environment"<br>Lectured by Dr S V Agarkar, & Deshmukh HBSC, Mumbai,       | 16 <sup>th</sup> Sept. 2012 |
| 2     | World's students day one day workshop on "Enhancing The Personal Effectiveness of students"<br>Lectured by Dr N Deshmukh & Gauri Hardikar, HBSC, Mumbai | 15 <sup>th</sup> Oct. 2012  |
| 3     | Workshop on frontiers in spectroscopy   | 21-23 Feb. 2014             |
| 4     | Two days workshop on<br>"Coalescence of Chemical Sciences to confront the challenges of sustainability"   | 19-20 Sept. 2014            |
45. List the teaching methods adopted by the faculty for different programmes.

- Explaining/Lecturing
  - Collaborating/Interacting
  - Recitation oral questions by teacher answered orally by students
  - Using charts and models
  - Lab demonstration
  - Student reports by individuals
  - Learning through Homework/Problem solving,
  - Learning by teaching (seminar)
  - Virtual Lab
  - Online Lectures
  - Using computer for chemist
  - Arrangement of Industrial Visits
  - Exposing the students to expert lectures in chemical society
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
- Academic calendar is prepared to complete the various activities. Continuous assessment of the students using periodic class test, assignments and internal assessment test both in practical and theory twice a semester.
- Regularly our students appeared in University merit rank. Good number of students accommodates at national level labs. Faculty members keep pace with fast changing needs and demand of the society. Faculty reorient their teaching according to develop multidisciplinary skills amongst students.
47. Highlight the participation of students and faculty in extension activities.
- Participation of students and faculty in Avishkar a research convention.
  - Participation of students and faculty in National Science Day
  - Participation of students and faculty in TRDEA activity.
  - Shramdan activities to clean surroundings of the department.
48. Give details of “beyond syllabus scholarly activities” of the department.
- Display of research papers,
  - Students science wall magazine-CHEMVISION,
  - Providing research articles related to their syllabus,
  - NET-SET questionnaire
  - Word to write reports
  - Animation to illustrate chemical ideas/bond
  - Simulation to model effects of chemical ideas
  - Video clips to illustrate basic ideas of topic
  - Still images and diagrams to create presentations
  - Students are encouraged to participate in the Conferences/Seminars/Workshops organised by department or nearby area.
49. State whether the programme/ department is accredited/ graded by other agencies? If yes,

give details.

No.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

➤ Department generates new knowledge through academic research in chemical sciences as without rigorous, relevant research our knowledge stagnates. The contributions of the department in generating new knowledge is evidenced through the documents (e.g. Ph.D. thesis) of doctoral research and research articles published in peer reviewed journals.

During last five years 08 students awarded Ph.D. degree and published more than 50 research papers in national and international journal of repute as original research articles. The impact factor of the journals where department has published its research articles goes up to 4 and h-index up to 235. The department has contributed in the area of material chemistry, atomic and molecular structure, theoretical and computational quantum chemistry, chemical physics, catalysis, coordination complexes, and synthetic organic chemistry.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

**Strengths:**

1. Adequate open space available for strengthening the infrastructure.
2. Greater diversity
3. Sincere and devoted staff
4. Department has well established laboratories to meet the present need.
5. The department has achieved credibility and reputation.
6. The department has organized several workshops and conferences

**Weaknesses:**

1. Insufficient physical infrastructure,
2. Inadequate teaching & non-teaching staff

**Opportunity:**

1. Scope for interdisciplinary projects.
2. Resource mobilization through enhanced sponsored research & consultancy commensurate with the faculty expertise.

**Challenges:**

1. Inadequate financial support from Government .

52. **Future plans** of the department.

- To submit FIST-DST proposal
- To develop building infrastructure as per master plan.
- To make MOU with national labs.
- To procure sophisticated instruments such as NMR,XRD, TGA, etc.
- To introduce new specializations at PG level such as Analytical Chemistry, Physical Chemistry.
- To start five year integrated M.Sc. course.



## Evaluative Report of the Department

1. Name of the Department : **Geology**
2. Year of establishment : July, 1990
3. Is the Department part of a School/Faculty of the university?  
NA
4. Names of programmes offered : PG  
( UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., Diploma, P.G. Diploma, Certificate Courses, Advance Diploma etc.):

Level of the Programme	Name of the Programme	Duration	Intake capacity	Faculty
P.G.	M.Sc.(Geology)	2 years	20	Science
P.G. Diploma	P.G. Diploma in Watershed Technology & management	1 year	20	Science
Ph. D.	Geology	-	16	Science

5. Interdisciplinary programmes and departments involved  
NA
6. Courses in collaboration with other universities, industries, foreign institutions, etc.  
NA
7. Details of programmes discontinued, if any, with reasons  
NA
8. Examination System:
  - Semester Pattern
  - Choice Based Credit System
9. Participation of the department in the courses offered by other departments  
➤ Yes. As per CBCS.

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/Others (specify)):

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	Nil	-	02
Associate Professor	02	02	01
Assistant Professor	02	02	01
Other (Specify)			

11. **Faculty profile** with name, qualification, designation, area of specialization, experience and research under guidance:

S. No	Name	Qualification	Designation	Gender (M/F)	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. student guided for the last 5 years
1	Dr. S. F. R. Khadri	M.Sc., Ph.D (IIT, Mumbai)	Professor and Head	M	Igneous Petrology, Geochemistry, Palaeomagnetism, Remote Sensing and GIS, water resources & Environmental management	26	05
2	Dr. A. K. Srivastava	M. Sc., Ph. D.	Professor	M	Sedimentology, Palaeobiology Antarctic science	24	03
3	Dr. Y. K. Mawale	M. Tech., Ph. D., P.G.D.E. M.	Reader	M	Structural Geology, Watershed management, Hydrogeology	12	Nil
4	Mr. P. S. Tidke	M. Sc. NET	Asst Professor	M	Hydrogeology, Environmental Geology	15	Nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors (*Except CHB*):  
Nil

## 13. Percentage of classes taken by temporary faculty- programme wise information:

S. N.	Year	No. of CHB	% of classes taken
1	2014-15	12	65
2	2013-14	15	65
3	2012-13	12	55
4	2011-12	07	55
5	2010-11	07	55

14. Programme-wise Student Teacher Ratio (*include only permanent staff*) :

S. N.	Year	Student Teacher Ratio (M. Sc.)		Student Teacher Ratio (P.G.D.W.T.M.)	
		No. of Students	Ratio	No. of Students	Ratio
1	2014-15	33	8.25:1	12	3.00:1
2	2013-14	38	9.50:1	9	2.25:1
3	2012-13	35	8.90:1	10	2.50:1
4	2011-12	27	6.75:1	14	3.50:1
5	2010-11	24	6.00:1	20	5.00:1

## 15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

S. N.	Name of the Post	No. of Sanctioned Posts	No. of Filled Posts	No. of Vacant Posts
1	Lab Technician	01	01	Nil
2	Lab Attendant	02	01	01

## 16. Research thrust areas as recognized by major funding agencies:

- Igneous Petrology, Geochemistry, Palaeomagnetism, Water resources, Remote Sensing and GIS, Environmental Geology, Sedimentology, Palaeobiology, Antarctic science

17. **Number of faculty with ongoing projects** from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

S. N.	Name of Faculty (PI/Co-PI)	Title of Project	Funding Agency	Total Grants Sanctioned	Status National/International	Duration & Year of Sanction	Ongoing/Completed
1.	Dr. A. K. Srivastava	Geochronology and Geochemistry of Tephra, Purna Alluvial Basin, Maharashtra, Central India	DST, New Delhi	28,49,000/-	National	03 years (2014-15)	Ongoing
2.	Dr. A. K. Srivastava	Palaeogeographic reconstruction during Upper Cretaceous-Early Tertiary period through sedimentology of Lameta and Inter-trappean sediments, Eastern Maharashtra, Central India	UGC, New Delhi	11.06,675/-	National	03 years (2011-12)	Completed
3.	Dr. S. F. R. Khadri	"Flow stratigraphy, Petrogenesis and Palaeomagnetism of Asirgarh Volcanics, Burhanpur District, Madhya Pradesh with emphasis on search and identification of magmatic pulses for assessment of their role in the greatest mass extinctions of the earth history	UGC, New Delhi	11.11,690/-	National	03 years (2010-11)	Completed

18. Inter-institutional collaborative projects and associated grants sanctioned:  
Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants sanctioned:

S. N.	Title of Project	Funding Agency	Total Grants Sanctioned	Duration & Year of Sanction	Status (Complete / Ongoing)
1	Innovative Programme on Remote Sensing and GIS	UGC	68 Lacs	5 Years (2013-2014)	Ongoing
2	Innovative Programme on Watershed Technology and Management	UGC	52.82 Lacs	5 Years (2007-2008)	Completed

20. Research facility / centre :  
Details of Facilities and Major Equipments for Research (more than 1 Lac) available in the Department:

S. N.	Name of the equipment
1	AAS with Accessories
2	Machine Core Drilling HT 701
3	Microscope Trinocular Pol. Nikon
4	Microscope Polarising Lyzer
5	Microscope Polarising Carl Zeiss with accessories
6	Minispinner magnetometer with accessories
7	Photographic Micro System of Nikon with Laptop, Camera, adapter
8	Resistivity meter with accessories
9	Resistivity meter with accessories
10	Resistivity meter with accessories
11	Software watershed modelling
12	Water purification system
13	Automatic Point Counter
14	Water Quality Analysis Software
15	Remote Sensing Software
16	Laptop Apple Mac
17	Trinocular Polarising Microscope

21. Special research laboratories sponsored by / created by industry or corporate bodies  
Nil

22. Details of Publications:

22.1 **Research Articles/Publication :**

S. N.	Name of Authors	Title of Paper	Name of the Journal and Vol. No., Year, Page No.	Status National / International	ISSN/ ISBN No of Journal	Impact Factor(if any)	h-Index	Citation Index	Listed in International Database
1	Blair Schoene, Kyle M. Samperton, Michael P. Eddy, Gerta Keller, Thierry Adate, Samuel Bowring, Khadri SFR Brian Gertsch	U-Pb geochronology of the Deccan Traps and relation to the end-Cretaceous mass extinction	Science, January 2015: Vol. 347 no. 6218 pp. 182-184	International	0036-8075	Five year Impact Factor: 34.40	801		
2	Khadri S.F.R and Kokate NR	Groundwater resource management of the Morna River basin, Akola District, Maharashtra, India	Recent and Innovation Trends in Computing and Communication, February 2015, Volume: 3 Issue: 2, pp: 093 – 100.	International Journal on	2321-8169	5.75			
3	Khadri S.F.R and Kokate NR	Hypsometric Analysis of the Morna River basin, Akola District, Maharashtra, India	Recent and Innovation Trends in Computing and Communication, February 2015, Volume: 3 Issue: 2, pp: 087 – 92.	International Journal on	2321-8169	5.75			
4	Khadri S.F.R and Sanjay S, Deshmukh	Groundwater quality mapping of Katepurna watershed in Akola district of Maharashtra India	Recent and Innovation Trends in Computing and Communication, February 2015, Volume: 3	International Journal on	2321-8169	5.75			

			Issue: 2, pp: 101 – 106.						
5	Khadri S.F.R and Suple PA	Hydrogeology of the Vidrupa River basin, Akola District, Maharashtra, India with reference to water level fluctuation	Recent and Innovation Trends in Computing and Communication, February 2015, Volume: 3 Issue: 2, pp: 107 – 112.	International Journal on	2321-8169	5.75			
6	Khadri S.F.R and Chaitanya Pande	Water Quality mapping for Mahesh River Basin in Akola and Buldhana Districts of Maharashtra (MS) India using Interpolation methods	Recent and Innovation Trends in Computing and Communication, February 2015, Volume: 3 Issue: 2, pp: 113 – 117.	International Journal on	2321-8169	5.75			
7	Khadri S.F.R and Kanak Moharir	Irrigation mapping of Man River Basin of Akola and Buldhana District, (MH) using Spatial Interpolation techniques	Recent and Innovation Trends in Computing and Communication, February 2015, Volume: 3 Issue: 2, pp: 118 – 124.	International Journal on	2321-8169	5.75			
8	Khadri S.F.R., Sachin Thakre and Parag Amol	Geomorphological study of Amravati Tehsil, District Amravati, Maharashtra using remote sensing and GIS techniques	Recent and Innovation Trends in Computing and Communication, February 2015, Volume: 3 Issue: 2, pp: 125 – 129.	International Journal on	2321-8169	5.75			
9	Khadri S.F.R and Kanak Moharir	Quantitative geomorphological analysis for characterization of selected watersheds in Akola and Buldhana districts of Maharashtra, India.	Indian Streams Research Journal, Volume-4, Issue-7, August-2014, pp: 1-9.	International	2230-7850	2.1506 (UIF			
10	Khadri S.F.R and Kanak	Spatial analysis of Groundwater	Golden Research	International	2231-5063,	2.2052( UIF			

	Moharir	Quality for Man River Basin in Akola and Buldhana District of Maharashtra using GIS techniques	Thoughts, Volume-3, Issue-12, June-2014, pp: 1-13.						
11	Khadri S.F.R and Chaitanya pande	Remote Sensing and GIS applications of geomorphological mapping of Mahesh River Basin, Akola & Buldhana Districts, Maharashtra, India using multispectral Satellite Data	Indian Streams Research Journal, Volume-4, Issue-7, August-2014, pp: 1-7.	International	2230-7850	2.1506 (UIF			
12	Khadri S.F.R and Chaitanya pande	Morphometric analysis of Mahesh River Basin exposed in Akola and Buldhana Districts, Maharashtra, India using Remote Sensing & GIS techniques,	Golden Research Thoughts, Volume-3, Issue-12, June-2014, pp: 1-16.	International	2231-5063,	2.2052( UIF			
13	Khadri S.F.R and Kanak Moharir	Groundwater quality monitoring for PTR-1 watershed in Akola District, Maharashtra, India using Geographic Information System and Remote Sensing techniques,	Pure and Applied Research in Engineering and Technology 2014; Volume 2 (9), pp: 156-170	International	2319-507x,	0.621			
14	Khadri S.F.R and Chaitanya pande	Applications of GIS and Remote Sensing techniques to identify the artificial recharge zones in Murtizapur	Pure and Applied Research in Engineering and Technology 2014; Volume 2 (9), pp: 21-34	International	2319-507x,	0.621			



		Taluk, Akola District, Maharashtra, India							
15	Khadri S.F.R Sachin Thakare and Pooja Surkar	Land use and Land cover area estimation for Nagpur City, Maharashtra using Remote Sensing and GIS techniques	Pure and Applied Research in Engineering and Technology 2014; Volume 2 (9), pp: 10-20	International	2319-507x,	0.621			
16	Srivastava, A. K. and Mankar, R. S.	Lithofacies architecture and depositional environment of Late Cretaceous Lameta Formation, central India	Arabian Journal of Geosciences, 8 (1), 2015, 207-226	International	1866-7511	1.152			
17	Srivastava, A. K. and Parimal, P. S.	Hydrogeochemical facies and ionic ratios of groundwater in Purna Alluvial Basin, Maharashtra.	Gondwana Geological Magazine, Spec. Vol, 14, 2014, 117-126	National	0970-261X				
18	Y. K. Mawale	Structural investigations of Untala Granite, East Central Rajasthan	An International Refreed & Indexed Quarterly Journal	International	ISSN 2277-7601	0.641	-	-	-
19	Y. K. Mawale	Beneficiation of Eastern Ghat Bauxite using magnetic separation techniques	An International Refreed & Indexed Quarterly Journal	International	ISSN 2277-7601	0.641	-	-	-
20	Khadri S.F.R and Kanak Moharir	Applications of Geographical Information System and Remote Sensing techniques in hypsometric analysis of Man River Basin in Akola and Buldhana Districts, Maharashtra, India,	International Journal of Pure and Applied Research in Engineering and Technology Volume 3 (9), March 2014, pp: 1-12.	International	2319-507x,	0.621			

21	Khadri S.F.R and Chaitanya Pande	Hypsometric analysis of the Mahesh River Basin in Akola and Buldhana districts using remote sensing and GIS technology	Journal of Golden Research Thoughts, Vol 3, Issue 8, February 2014, pp:1-11.	Internati- ona	2231-5063	2.2052 (UIF),			
22	Khadri S.F.R and Suple PA	Hydrogeological investigations of Vidrupa River Basin, Akola District, Maharashtra with reference to water resource management	International Journal of pure and applied research in engineering and Technology (IJPRET), Vol. 2, Issue 4; Decemb er, 2013, pp: 54-73	Internati- ona	2319-507X	4.226			
23	Khadri S.F.R and Kanak Moharir	Detailed morphometric analysis of Man River Basin in Akola and Buldhana Districts of Maharashtra, India using Cartosat-1 (DEM) Data and GIS techniques	International Journal of Scientific & Engineering Research, November 2013, pp: 832-853,	Internati- ona	2229-5518	1.40			
24	Khadri S.F.R and Nitesh Thakur	Geomorphologic al investigations of Bor River Basin (Tributary of Padi River) Amravati District, Maharashtra using Remote Sensing and GIS techniques	International Journal of Scientific & Engineering Research, November, 2013, pp: 1089-1098,	Internati- onal	2229-5518	1.40			
25	Khadri S.F.R and Deshmukh, S.S	Groundwater regime of Katepurna River basin, Akola District, Maharashtra with reference to watershed management.	International Journal of Earth Sciences and Engineering (IJEE), October 2013, Volume 06 No: 05 (01), pp: 1243-1250,	Interna- tional	0974-5904	0.042			

26	Khadri S.F.R and Thakare S.M	Groundwater regime of Paras thermal power plant using remote sensing and GIS techniques with emphasis on environmental impact analysis	International Journal of Golden Research Thoughts, Vol.3, Issue 4, October, 2013, pp: 1-9,	International	2231-5063	1.2018 (GISI).			
27	Khadri S.F.R and Thakare S.M	Delineation of groundwater potential zones around Paras thermal power plant using remote sensing and GIS techniques	International Journal of pure and applied research in engineering and Technology (IJPRET) ISSN No.:Vol. 2, Issue 2; October 2013, pp: 30-53	International	2319-507X	4.226.			
28	Khadri S.F.R and VidyaKharbadkar	Morphometric analysis of the Vidarbha river basin, Amravati District, Maharashtra with reference to watershed management	International Journal of Golden Research Thoughts, Vol.3, Issue 3, September, 2013 ISSN No: pp: 1-5,	International	2231-5063,	1.2018 (GISI).			
29	Khadri S.F.R and ApurvaFuladi	Morphometric and hydrogeomorphic analysis of Pili river basin exposed in Paratwada-Achalpur region, Amravati District, Maharashtra and Betul District in Madhya Pradesh using remote sensing and GIS techniques	International Journal of pure and applied research in engineering and Technology (IJPRET) Vol. 2, Issue 1; September 2013, pp:32-52.	International	2319-507X	4.226			
30	Khadri S.F.R and Nitesh Thakur	Geomorphologic investigations of Ghatkhed mini watershed, Amravati District, Maharashtra	International Journal of pure and applied research in engineering and Technology (IJPRET) Vol. 2,	International	2319-507X ,	4.226.			

		with reference to water resource management using remote sensing and GIS techniques	Issue 1; September 2013, pp:11-25.						
31	Khadri S.F.R Chaitanya Pande and Kanak Moharir	Groundwater quality mapping of PTU-1 watershed in Akola district of Maharashtra India using geographic information system techniques	International Journal of Scientific & Engineering Research, September, 2013,	International	2229-5518,	1.40.			
32	Khadri S.F.R Chaitanya Pande and Kanak Moharir	Crime analysis using geoinformatics techniques and hotspot detection for Akola city, Maharashtra State, India.	International Journal of Golden thoughts, Vol 3, Issue I, July 2013, pp:1-4.	International	2231-5063,	1.2018,			
33	Khadri S.F. Chaitanya Pande and Kanak Moharir	Geomorphological investigation of WRV-1 Watershed management in Wardha district of Maharashtra India; using Remote sensing and Geographic Information System techniques	International Journal of pure and applied research in engineering and Technology(IJPRET),Vol. 1, Issue 10; June, 2013,pp:18-35.	International	2319-507X	4.226			
34	Khadri S.F.R and Atul Dhamankar	Morphometric analysis of Bori River basin, Akola District, Maharashtra using Remote sensing and GIS techniques (with	International Journal of pure and applied research in engineering and Technology (IJPRET) Vol:1 (9), Issue: 9, May 2013, pp:1-21	International	2319-507X	2.275			
35	Khadri S.F.R and Kanak Moharir	Estimation of groundwater prospectus zone mapping and	International Journal of Advancements in Research &	International	2278-7763,	1.40			

		morphometric analysis of WRD-4 watershed in Wardha District of Maharashtra, India using Remote Sensing and GIS Techniques	Technology, IJoART, Volume 2, Issue 5, May 2013.						
36	Khadri S.F.R and Suple, P.A	Field stratigraphy of Vidrupa River basin, Akola District, Maharashtra, India with reference to watershed management (with	International Journal of Scientific & Engineering Research, Volume 4, Issue 6, June 2013, pp: 1878-1889, ISSN No: Impact Factor:	International	2229-5518,	1.40.			
37	Khadri S.F.R	Geo-Environmental issues in parts of Amravati, Akola and Yavatmal districts, Maharashtra with reference to fluoride concentration in groundwater,	International Journal of Pure and Applied research in Engineering and Technology (IJPRET), April 2013 Vol 1 (8), pp: 253-269.	International	2319-507X ,	2.275			
38	Khadri S.F.R and Kanak Moharir	Geo-environmental impact assessment studies of groundwater in the Maru river basin of Salbardi region, Amravati District, Maharashtra	International Journal of Pure and Applied research in Engineering and Technology (IJPRET), April 2013 Vol 1 (8), pp: 270-282.	International	2319-507X ,	2.275			
39	Khadri S.F.R and Kanak Moharir	Groundwater regime of Pohra region, Amravati District, Maharashtra with reference to water resource management	International Journal of Pure and Applied research in Engineering and Technology (IJPRET), April 2013 Vol 1 (8), pp: 283-301.	International	2319-507X ,	2.275			

40	Khadri S.F.R and Kanak Moharir	Environmental impact analysis in the Karam River basin, Dhar District, Madhya Pradesh with emphasis on water resource development	International Journal of Pure and Applied research in Engineering and Technology (IJPRET), April 2013 Vol 1 (8), pp: 302-314.	International	2319-507X ,	2.275			
41	Khadri S.F.R and Kanak Moharir	Water resource management of Asirgarh region, Burhanpur District, MP with emphasis on sustainable management of groundwater in basaltic terrain	International Journal of Pure and Applied research in Engineering and Technology (IJPRET), April 2013 Vol 1 (8), pp: 315-332.	International	2319-507X ,	2.275			
42	Khadri S.F.R and Kanak Moharir	Environmental management of quality of groundwater in Akot region, Akola District, Maharashtra.	International Journal of Pure and Applied research in Engineering and Technology (IJPRET), April 2013 Vol 1 (8), pp: 333-347.	International	2319-507X ,	2.275			
43	Khadri S.F.R and with Atul Dhamankar	Possible effect of planets on human life - A scientific review.	International Journal of Golden Research Thoughts, volume 2 Issue 10, April 2013pp: 1-13.	International	2231-5063	1.870			
44		Magneto-stratigraphy of Lava flows exposed at Pohra hill ranges, Eastern part of Amravati district, Maharashtra, India	1. Journal of Gondwana Geological Magazine, Vol: 28 (1) June, 2013, pp: 29-35.						
45	Srivastava, A. K. and Mankar, R. S.	A Dinosaurian ulna from a new locality of Lameta succession, Salbardi area, districts	Current Science, 105 (7), 2013, 901-902,						

		Amravati, Maharashtra and Betul, Madhya Pradesh,							
46	Srivastava, A. K., Randeve, K. R. and Khare, N.	Mineralogical and geo- chemical studies of glacial sediments from Schir-macher Oasis, East Antarctica	Quaternary International Journal, 291, 2013, 205-216	Internati onal					
47	Srivastava, A. K. and Kandwal, N. K.	Depositional environment and bivalve remains of the Intertrappean sediments, Hiradehi and Topidhana area, Bhainsdehi tehsil, District Betul, Madhya Pradesh	Gondwana. GeologicalMaga zine, 28 (2) 2013,149-158	National	0970- 261X				
48	Khadri S.F.R and Pradhan GV	Water Resource Management of Gadga River Basin, Chikhaldhara Region, Amravati District, Maharashtra with Reference to Remote Sensing Analysis (with Pradhan, GV),	International Journal of Scientific & Engineering Research, Volume 4, Issue 3, March 2013, pp:1-14.	Internat ional	2229- 5518	1.40			
49	Khadri S.F.R	Preliminary field stratigraphy of Khongda Volcanics, Gavilgarh hill range, Amravati District, Maharashtra, India	International Journal of Advancements in Research & Technology, Volume 2 Issue 3 March 2013, pp:15.	Internat ional	2278- 7763,				
50	Khadri S.F.Rand Suple P.A	Soil texture analysis of Vidrup River basin, Akol district, Maharashtra with	Indian Streams Research Journal, Volume 3, Issue.1, February. 2013,	Interna tional	2230- 7850.	0.2105 .			

		reference to groundwater management (with),	pp: 1-8,						
51	Khadri S.F.R. and Deshmukh S.S	Soil texture analysis of Katepurna river basin, Akola District, Maharashtra with reference to water resource management (with	International Journal of Scientific and Engineering Research, Volume:4, Issue:2, February 2013, pp1-10,	International	2229-5518	1.40.			
52	Khadri S.F.R	Palaeomagnetic investigations of Asirgarh Volcanics, Burhanpur District, Madhya Pradesh, India with special reference to magneto-stratigraphic correlation	Indian Streams Research Journal, Volume 2, Issue.11, Dec. 2012, pp: 1-6, Volume 2, Issue.12, pp:1-8, January, 2013	International	2230-7850.	0.2105 ,			
53	Khadri S.F.R and Deshmukh S.S	Soil texture analysis of Katepurna river basin, Akola District, Maharashtra with reference to water resource management	International Journal of Scientific & Engineering Research, Volume 4, Issue 2, February 2013.	International		1.40			
54	Khadri S.F.R and Deshmukh S.S	Estimation of hydraulic properties of aquifers of the Katepurna River basin, Akola District, Maharashtra with emphasis on pumping test analysis,	Golden Research Thoughts, Volume 2, Issue. 6, Dec. 2012, pp1-5,	International	2231-5063.	1.870.			
55	Khadri S.F.R and Pradhan, GV	Water resource management of the Khongda region, Gawilgarh hill range, Amravati	Indian Streams Research Journal, Volume 2, Issue.11, Dec. 2012, pp: 1-6,	International	2230-7850.	0.2105			



		District, Maharashtra							
56	Khadri S.F.RandSupl e, PA	Groundwater regime of aquifer of the Vidrup River basin, Akol District, Maharashtra with emphasis on geo environmental analysis, (with)	Review of Research, Vol.2, Issue.3, Dec. 2012,ISSN:-.	Interna tional	2249-894X				
57	Khadri S.F.R and Deshmukh, M	Magneto-stratigraphy of the lava flows exposed at Satpura hill ranges, Bete district,Madhya Pradesh and Amravati district (MS), India.	International Journal of Earth Sciences and Engineering, Vol: 05, No: 05, Oct.2012, pp: 1178-1188,	Interna tional	0974-5904.				
58	Khadri S.F.R and Deshmukh, M	Study of Groundwater occurrence and future planning in Urad village, Warud taluka, Amravati District, Maharashtra	International journal of Science, Environment and Technology, Vol:1, No:3, 2012, pp: 205-216.	Interna tional					
59	Khadri S.F.R and Deshmukh, M	A new concept of drainage deepening and widening for groundwater recharge- A case study.	International Journal of Science, Environment and Technology, Vol: 1, No:3, 2012, pp: 183-192.	Interna tional					
60	Khadri S.F.R	Estimation of aquifer parameters in basaltic terrain, Asirgarh region, Burhanpur district, Madhya Pradesh, India	IGWC Groundwater Research Series No: 4,Water resources assessment, recharge and modeling, Editors: M. Thangarajan, C. Mayilswami and P.S. Navaraj. 2012 pp: 39-48,	Interna tional	ISBN No: 978-93-5067-839-8.				
61	Khadri S.F.R	Groundwater appraisal of the Utavali River	IGWC Groundwater Research Series	Interna tional	ISBN No: 978-				

		basin, Burhanpur District, Madhya Pradesh, India.	No: 4, Water resources assessment, recharge and modeling, Editors: M. Thangarajan, C. Mayilswami and P.S. Navaraj. 2012 pp: 171-175,		93-5067-839-8.				
62	Khadri S.F.R	GIS models in groundwater assessment and hotspot Geoinformatics	IGWC Groundwater Research Series No: 4, Water resources assessment, recharge and modeling, Editors: M. Thangarajan, C. Mayilswami and P.S. Navaraj. 2012 pp: 39-48,	International	ISBN No: 978-93-5067-839-8.				
63	Khadri S.F.R	Water resource management of Bokad river basin, Kherale Buzurg, Burhanpur District, MP, India.	IGWC Groundwater Research Series No: 4, Water resources assessment, recharge and modeling, Editors: M. Thangarajan, C. Mayilswami and P.S. Navaraj. 2012 pp: 62-74,	International	ISBN No: 978-93-5067-839-8.				
64	Srivastava, A. K. and Mankar, R. S	Field characteristic, petrography and diagenesis of Lameta sediments exposed on the northern boundary of district Amravati, Maharashtra	Gondwana Geological Magazine, 27(1), 2012, 31-42.	National	0970-261X				
65	Srivastava, A. K. and Parimal, P. S.	Assessment of Groundwater Suitability for	Gondwana Geological Magazine,	National	0970-261X				

		Irrigation in Purna Alluvial Basin, Maharashtra	27(1),2012, 79-92.						
66	Srivastava, A. K., Ingle, P. S., Lunge, H. S. and Khare, N.	Grain-size characteristics of deposits derived from different glacial environments of the Schirmacher Oasis, East Antarctica,	Geologos,18, (4), 2012, 251–266.	International	0.43				
67	Srivastava, A. K. and Mankar R. S.	Record of trace fossils from the Lameta successions of Salbardi and Belkher area, district Amravati, Maharashtra and their palaeoecological and palaeoenvironmental significance.	Arabian Journal Geosciences, 5, 2012, 1003-1009	International	1866-7511	0.740			
68	Khadri S.F.R	Estimation of groundwater potential in Burhanpur district, Madhya Pradesh.	International Journal of Earth Sciences and Engineering (IJEE), Vol:04, No:08 Spl, December 2011, pp:116-128,	International	0974-5904.				
69	Khadri S.F.R	Water resource management of basaltic terrain, Asirgarh region, Burhanpur District, Madhya Pradesh, India with reference to the estimation of aquifer parameters.	International Journal of Earth Sciences and Engineering (IJEE), Vol:4, No:06 Spl, October 2011, pp:254-261	International	0974-5904.				
70	Khadri S.F.R	Hydro geological investigations of Chandrabhaga river basin, Chikaldhara region, Amravati	International Journal of Earth Sciences and Engineering (IJEE), Vol:4, No:06 Spl,	International	0974-5904.				

		District, Maharashtra, India.	October 2011, pp: 262-269						
71	Khadri S.F.R	Estimation of groundwater potential in Burhanpur district, Madhya Pradesh	International Journal of Earth Sciences and Engineering (IJEE), Vol:04 N0 8. Spl. Issue, December 2011, pp: 116-126,	International	0974-5904.				
72	Khadri S.F.R and Praven Ingle	Morphometric and morpho-tectonic analysis of the Narnala Fort region, Akola and Amravati Districts, Maharashtra with reference to remote sensing analysis. Vol. 26(2) December 2011, pp: 179-188. (Annexure-27)	Journal of Gondwana Geological Magazine	National	ISSN 0970-261 X				
73	Srivastava, A. K., Khare, N. and Ingle, P. S.,	Characterization of clay minerals in the sediments of Schumacher Oasis, East Antarctica: their origin and climatological implications.	Current Science, 100 (3), 2011, 363-372	National	0011-3891	0.935			
74	A.M. Varade, H. Wankhade, Y.K. Mawale, & H. Khandare	Watershed management as a tool for changing the kaleidoscope of Central India: A case study from Jhabua district Madhya Pradesh, India.	Nature Environment and Pollution Technology, an International Quarterly Scientific Journal, Vol. 10 No. 4, pp. 589 – 594, Dec, 2011	International	ISSN: 0972 – 6268	1.621	-	-	-
75	Khadri S.F.R	Stratigraphy of Mandu Region, Dhar District, Madhya Pradesh, India.	Journal of Nepal Geological Society, 2011, pp: 183-186,	International	0259-1316				

76	B.K. Singh and Khadri S.F.R	Terrain Evaluation of a Part of Mandu Region, Dhar District, Madhya Pradesh,	International Journal of Earth Sciences and Engineering (IJEE), April 2010, pp: 152-156.	International	0974-5904				
77	Srivastava, A. K., Ingle, P. S. and Khare, N.,	Textural characteristics, distribution pattern and provenance of heavy minerals in glacial sediments of Schirmacher Oasis, East Antarctica.	Journal Geological Society of India, 75, 2010, 393-402.	National	0016-7622	0.396			
78	Srivastava, A. K., Parimal, P. S. and Kale, V. M.,	A preliminary study of grain size study and pattern of sedimentation in main channel of Purna river, Maharashtra	Gondwana Geological Magazine, 25(2), 2010, 305-312	National	0970-261X				
79	Srivastava, A. K. and Kale, V. M.,	Sediment characteristics and depositional environment of Purna alluvial basin, Maharashtra.	Gondwana Geological Magazine, Spec. Vol. 12, 2010, 293-302.	National	0970-261X				
80	Srivastava, A. K. and Mankar, R. S.	Sedimentological studies and trace fossils of the Lameta successions of Bairam, Belkher and Salbardi area, district Amravati, Maharashtra,	Gondwana Geological Magazine, Spec. Vol. 12, 2010, 209-224.	National	0970-261X				
81	Srivastava, A. K.	Fluvial traces from Upper Gondwana (Early Cretaceous) sediments of central India, Maharashtra	Journal Palaeontological Society India, 55 (2), 2010, 45-55.	National	0304-9523				

**22.2 Books Written/ Edited:**

S. N.	Name of Authors	Title of Book	Title of Chapter added	Name of Publisher	ISSN/ ISBN No.	Page No.	Contributed As (Editor/Author)
1	Khadri, S.F.R.	Watershed Management for sustainable development edited by R.N.Tiwari and G.P. Pande	Terrain evaluation of the Asirgarh region, Burhanpur district, MP.	Excellent Publications, New Delhi June 2014, ISBN No: pp:	978-93-83083-82-4,	27-35.	Co-Author
2.	Srivastava, A. K. and Kale, V. M.	The Indian Rivers: An Introduction for Science and Society, (Ed. D. S. Singh)	Purna River, Maharashtra'	Centre of Advance Studies, University of Lucknow, Lucknow		349-370	Co-Author
3	Khadri S.F.R	Role of Women in Indian Economy Editors: G. M. Bhat and Mohan Singh,.	The self-help groups (SHG) and Women, Chapter 10,	VL Media solutions, New Delhi, 2013		pp: 122-133	Co-Author

**22.3 Monographs/ Chapters in Book/s Written/Edited:**

S. N.	Name of Authors	Title of Book	Title of Chapter added	Name of Publisher	ISSN/ ISBN No.	Page No.	Contributed As (Editor/Author)
1	Khadri, S.F.R.	Watershed Management for sustainable development edited by R.N.Tiwari and G.P. Pande	Terrain evaluation of the Asirgarh region, Burhanpur district, MP.	Excellent Publications, New Delhi June 2014, ISBN No: pp:	978-93-83083-82-4,	27-35.	Author
2.	Srivastava, A. K. and Kale, V. M.	The Indian Rivers: An Introduction for Science and Society, (Ed. D. S. Singh)	Purna River, Maharashtra'	Centre of Advance Studies, University of Lucknow, Lucknow		349-370	Author
3	Khadri S.F.R	Role of Women in Indian Economy Editors: G. M. Bhat and Mohan Singh,.	The self-help groups (SHG) and Women, Chapter 10,	VL Media solutions, New Delhi, 2013		pp: 122-133	Author

## 22.4 Publications in Conference/Seminar Proceedings:

Sr. No.	Name of Authors	Title of Paper	Name of the Conference/ Seminar/ Workshop	Status National/ International	ISSN/ ISBN No (if any)	Name of Organizing Agency	Duration and Date	Volume and Page No. of Proceedings
1	Khadri and Chaitanya Pande	Urban water supply system –A case study on water network distribution in Chalisgaon city in Dhule district Maharashtra using Remote sensing and GIS techniques ()	International Conference on Advances in Engineering and Technology (ICAET-2014)	International	2320-334X, Impact Factor: 1.485.	Anjuman College of Engineering, Nagpur	8-9 January 2014	IOSR Journal of Mechanical and Civil Engineering pp: 1-12,
2	Khadri and Thakre S.M	Land use Land cover mapping of the Jam river watershed lying in Katol basin area, Nagpur District, Maharashtra, India using Remote sensing and GIS techniques (with.)	International Conference on Advances in Engineering and Technology (ICAET-2014)	International	2320-334X, Impact Factor: 1.485.	Anjuman College of Engineering, Nagpur	8-9 January 2014	IOSR Journal of Mechanical and Civil Engineering pp: 6-11
3	Khadri and Kanak Moharir	Remote sensing and GIS approaches in artificial recharge of groundwater potential zones in PT-7 Watershed of Akola District, Maharashtra, (with	International Conference on Advances in Engineering and Technology (ICAET-2014)	International	2320-334X, Impact Factor: 1.485.	Anjuman College of Engineering, Nagpur	8-9 January 2014	IOSR Journal of Mechanical and Civil Engineering pp: 45-50,
4	Khadri and Ritesh Kakade	Groundwater regime of the WRY-2 sub-watershed of Wardha River basin around Wardha Taluka, Wardha District, Maharashtra, India using an integrated approach of Remote sensing and GIS techniques,	International Conference on Advances in Engineering and Technology (ICAET-2014)	International	2320-334X, Impact Factor: 1.485.	Anjuman College of Engineering, Nagpur	8-9 January 2014	IOSR Journal of Mechanical and Civil Engineering pp: 71-78,
6	Khadri, S.F.R. and Kakade	Water resource management of the WGK5 sub-watershed of Wainganga River basin around Saoner region, Nagpur District, Maharashtra	CGWB sponsored National workshop on “Groundwater Management and	National		CGWB, Nagpur	21 February 2013	pp1-8

		using Remote sensing and GIS techniques for sustainable development	regulations- Challenges ahead					
7	Khadri, S.F.R. and Pradhan GV	Hydro-geomorphological investigations of Gadga River basin, Khongda Region, Melghat, Amravati District, Maharashtra	UGC National Conference on “ Watershed Management for sustainable development (WMSD-2013)	National		Shri Shivaji Science College, Amravati	23 <sup>rd</sup> February 2013	pp:23-31
8	Khadri, S.F.R. and Suple, P.A	Geomorphological investigations of the Vidrupa River Basin with reference to water resource management	UGC National Conference on “ Watershed Management for sustainable development (WMSD-2013)	National		Shri Shivaji Science College, Amravati	23 <sup>rd</sup> February 2013	pp:23-31
9	Khadri, S.F.R. and Sanjay, S.D	Morphometric studies of the Katepurna River Basin with reference to water resource management (with	UGC National Conference on “ Watershed Management for sustainable development (WMSD-2013)	National		Shri Shivaji Science College, Amravati	23 <sup>rd</sup> February 2013	pp:23-31
10	Khadri, S.F.R.	Groundwater in Deccan Basalts of the Bokad river basin, Burhanpur district, MP, India	National Seminar on emerging trends in scientific research	National	978-93-81583-39-5.	Govt. Science College, Durg	September 2012	Vol:1, pp: 63-72
11	Khadri, S.F.R.	Morphometric and morpho-tectonic analysis of the Asirgarh region, Burhanpur district (MP) with reference to remote sensing analysis	National Seminar on emerging trends in scientific research	National	978-93-81583-39-5.	Govt. Science College, Durg	September 2012	Vol:1, pp: 177-188
12	Khadri, S.F.R.	An integrated approach for groundwater investigations in Burhanpur district, Madhya Pradesh.	National Seminar on emerging trends in scientific research	National	978-93-81583-39-5.	Govt. Science College, Durg	September 2012	Vol:1, pp: 1-19
13	Khadri, S.F.R.	Estimation of aquifer parameters in a basaltic terrain, Mandu region, Dhar district, MP, India.	National Seminar on emerging trends in scientific research	National	978-93-81583-39-5.	Govt. Science College, Durg	September 2012	Vol:1, pp: 86-97
14	Khadri, S.F.R.	Groundwater appraisal and environmental management of the	National Seminar on emerging trends	National	978-93-81583	Govt. Science College,	September 2012	Vol:1, pp: 111-135



		Uma river basin, Akola district, Maharashtra	in scientific research		-39-5.	Durg		
15	Khadri, S.F.R.	Estimation of groundwater appraisal in a basaltic terrain, Burhanpur region, MP, India	National Seminar on emerging trends in scientific research	National	978-93-81583-39-5.	Govt. Science College, Durg	September 2012	Vol:1, pp: 31-47
16	Khadri, S.F.R. and S.S.Deshmukh	Groundwater resource development in Wani Rambhapur region, Akola District, Maharashtra	National Seminar on Innovative research trends in Biological Sciences,	National		Shri Shivaji Science College, Akola	September 2012	pp: 256-261
17	Khadri, S.F.R. and P.A. Suple	Groundwater regime of BorgaonManju region, Akola District, Maharashtra, India (with	National Seminar on Innovative research trends in Biological Sciences,	National		Shri Shivaji Science College, Akola	September 2012	pp: 262-267

23. Details of patents:

Nil

24. Areas of consultancy and income generated:

Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:

Nil

26. Faculty serving on

a) National committees b) International committees c) Editorial Boards d) any other (please specify):

S. N.	Year	Name of the Faculty	National Committees/ International Committees/ Editorial Boards/ Any Other (specify)	Organization	Acted as Member / Chairman/ Secretary/Others (specify)
<b>2014-15</b>					
1		Khadri, S.F.R	IQAC	SGB Amravati University	Director and Member Secretary
2		Khadri, S.F.R	International Collaboration & MoU, cell	SGB Amravati University	Chairman
3		Khadri, S.F.R	Moderation Committee	SGB Amravati University	Chairman
4		Khadri,	BOS in Geology, Faculty,	SGB Amravati	Member

		S.F.R	RRC, BUTR	University	
5		Khadri, S.F.R	National	Journal Geological Society of India	Fellow and life member
6		Khadri, S.F.R	National	Association of Global Groundwater Scientists	Fellow and life member
7		Khadri, S.F.R	National	Gondwana Geological Society	Life member and Council Member
8		Khadri, S.F.R	National	Indian Science Congress Association	Life member
9		Khadri, S.F.R	National	Indian society of Remote Sensing	Life member
10		Khadri, S.F.R	International	Association of Geoscientists for International Development (AGID)	Life member
11		Khadri, S.F.R	National	Mineralogical Society of India	Life member
12		Khadri, S.F.R	National	Indian Geological Congress	Life member
1.		A.K Srivastava	Research Cell	SGB Amravati University	Chairman
2.		A. K Srivastava	NET Coaching Classes for SC,ST, OBC &Minority communities	SGB Amravati University	Coordinator
3.		A. K. Srivastava	National	Indian Association of Sedimentologists, Aligarh	Member, Governing Council
4		Y. K. Mawale	Admission Committee	SGBAU, Amravati	Member
5		Y. K. Mawale	P. G. Unit NSS	SGBAU, Amravati	Programme Officer
<b>2013-14</b>					
1		Khadri, S.F.R	International Collaboration & MoU, cell	SGB Amravati University	Chairman
2		Khadri, S.F.R	Central admission Committee, Moderation Committee	SGB Amravati University	Chairman
3		Khadri, S.F.R	BOS in Geology, Faculty, RRC, BUTR	SGB Amravati University	Member
4		Khadri, S.F.R	National	Journal Geological Society of India	Fellow and life member
5		Khadri, S.F.R	National	Association of Global Groundwater Scientists	Fellow and life member
6		Khadri, S.F.R	National	Gondwana Geological Society	Life member
7		Khadri, S.F.R	National	Indian Science Congress Association	Life member
8		Khadri, S.F.R	National	Indian society of Remote Sensing	Life member
9		Khadri, S.F.R	International	Association of Geoscientists for	Life member

				International Development (AGID)	
10		Khadri, S.F.R	National	Mineralogical Society of India	Life member
11		Khadri, S.F.R	National	Indian Geological Congress	Life member
1.		A. K. Srivastava	Research Cell	SGB Amravati University	Chairman
2.		A. K. Srivastava	NET Coaching Classes for SC,ST, OBC & Minority communities	SGB Amravati University	Coordinator
3.		A. K. Srivastava	National	Indian Association of Sedimentologists, Aligarh	Member, Governing Council
<b>2012-13</b>					
1		Khadri, S.F.R	Central admission Committee, Moderation Committee	SGB Amravati University	Chairman
2		Khadri, S.F.R	BOS in Geology, IQAC, Faculty, RRC, BUTR	SGB Amravati University	Member
3		Khadri, S.F.R	National	Journal Geological Society of India	Fellow and life member
4		Khadri, S.F.R	National	Gondwana Geological Society	Life member
5		Khadri, S.F.R	National	Indian Science Congress Association	Life member
6		Khadri, S.F.R	National	Indian society of Remote Sensing	Life member
7		Khadri, S.F.R	International	Association of Geoscientists for International Development (AGID)	Life member
8		Khadri, S.F.R	National	Mineralogical Society of India	Life member
9		Khadri, S.F.R	National	Indian Geological Congress	Life member
10		A. K. Srivastava	Research Cell	SGB Amravati University	Chairman
11		A. K. Srivastava	NET Coaching Classes for SC,ST, OBC & Minority communities	SGB Amravati University	Coordinator
12		A. K. Srivastava	National	Indian Association of Sedimentologists, Aligarh	Member, Governing Council
<b>2011-12</b>					
1		Khadri, S.F.R	Moderation Committee, PG	SGB Amravati University	Chairman
2		Khadri, S.F.R	BOS in Geology, IQAC, Faculty, RRC, BUTR	SGB Amravati University	Member
3		Khadri, S.F.R	National	Journal Geological Society of India	Fellow and life member

4		Khadri, S.F.R	National	Gondwana Geological Society	Life member
5		Khadri, S.F.R	National	Indian Science Congress Association	Life member
6		Khadri, S.F.R	National	Indian society of Remote Sensing	Life member
7		Khadri, S.F.R	International	Association of Geoscientists for International Development (AGID)	Life member
8		Khadri, S.F.R	National	Mineralogical Society of India	Life member
9		Khadri, S.F.R	National	Indian Geological Congress	Life member
<b>2010-11</b>					
1		Khadri, S.F.R	Moderation Committee	SGB Amravati University	Chairman
2		Khadri, S.F.R	BOS in Geology, IQAC, Faculty, RRC, BUTR	SGB Amravati University	Member
3		Khadri, S.F.R	National	Journal Geological Society of India	Fellow and life member
4		Khadri, S.F.R	National	Gondwana Geological Society	Life member and Council Member
5		Khadri, S.F.R	National	Indian Science Congress Association	Life member
6		Khadri, S.F.R	National	Indian society of Remote Sensing	Life member
7		Khadri, S.F.R	International	Association of Geoscientists for International Development (AGID)	Life member
8		Khadri, S.F.R	National	Mineralogical Society of India	Life member
9		Khadri, S.F.R	National	Indian Geological Congress	Life member
10		A. K. Srivastava	National	Palaeontological Society of India, Lucknow	Member, Executive Council

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

➤ Faculties are motivated to attend Refresher/ Orientation/ Workshops/ Specialized Training Programmes/ Industrial Interaction to achieve excellence in teaching and research.

28. Student projects:

- Percentage of students who have done in-house projects including inter-departmental projects: 100%
- Percentage of students doing projects in collaboration with other universities/ industry / institute: Nil

## 29. Awards / Recognitions received at the National and International level by

- Faculty
- Doctoral / Post Doctoral Fellows
- Students

Nil

## 30. Conferences/Seminars/Workshops organized by Department:

Nil

## 31. Code of ethics for research followed by the departments :

- To ensure the outcome based research benefiting the society in increasing its comfort, progress and development without affecting or polluting the environment.
- Emphasis on original and pure research.

## 32. Student profile programme-wise:

## M.Sc. (Geology)

Year	Admitted to First Year of the Course			Pass Percentage of Students	
	Boys	Girls	Total	Boys	Girls
2014-15	15	5	20	--	--
2013-14	17	4	21	52.94	75
2012-13	21	2	23	57.14	100
2011-12	11	5	16	72.72	20
2010-11	13	6	19	61.53	66.66

## P. G. Diploma (Geology)

Year	Admitted to First Year of the Course			Pass Percentage of Students	
	Boys	Girls	Total	Boys	Girls
2014-15	7	5	12	--	--
2013-14	6	3	9	83.33	100
2012-13	5	5	10	20	100
2011-12	7	8	15	85.71	75
2010-11	13	7	20	23.07	85.71

## 33. Diversity of students

Name of the Programme	Year	Percentage of students from the same university	Percentage of students from other universities within the State	Percentage of students from Universities outside the State	Percentage of students from other countries
M.Sc. (Geology)	2014-15	90	5	5	0
	2013-14	76.19	4.76	23.81	0
	2012-13	56.52	4.35	39.13	0
	2011-12	87.50	12.50	0	0
	2010-11	84.21	10.53	10.53	0

Name of the Programme	Year	Percentage of students from the same university	Percentage of students from other universities within the State	Percentage of students from Universities outside the State	Percentage of students from other countries
P. G. Diploma (Geology)	2014-15	100	0	0	0
	2013-14	100	0	0	0
	2012-13	90	10	0	0
	2011-12	86.67	13.33	0	0
	2010-11	95	5	0	0

## 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

- NET- 04
- MPSC – 06
- Competitive examinations (Bank) – 01

## 35. Student progression:

	Student progression	Percentage against enrolled
	UG to PG	-
	PG to M.Phil.	-
	PG to Ph.D	13.33%
	Ph.D. to Post-Doctoral	-
	Employed	
<input type="checkbox"/>	Campus selection 7 out of 14	50%
<input type="checkbox"/>	Other than campus recruitment	
	Entrepreneurs	-

## 36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	50
from other universities within the State	-
from universities from other States from	50
universities outside the country	-

## 37. Number and Name of the faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

Nil

## 38. Present details of departmental infrastructural facilities with regard to :

- Library: Departmental Library has huge collection of text books, reference books, research journals, thesis, research papers etc
- Internet facilities for staff and students: Yes
- Total number of class rooms: 03
- Class rooms with ICT facility: Yes
- Students' laboratories: 03
- Research laboratories: 03

## 39. List of doctoral, post-doctoral students and Research Associates :

## a) from the host institution/university

S. N.	Name	Doctoral/post-doctoral / Research Associate	Duration of Fellowship
1	Ms. Mayura Deshmukh	Project Fellow) UGC, Major Research Project	2010-2012
2	Pradhan GV	JRF & SRF, (RGNG, UGC, New Delhi	2009-2012
3	Mrs. Mangala N. Bansod	JRF & SRF, (RGNG, UGC, New Delhi	June, 2012 – Till date
4	Miss Neelam Kandwal	Project Fellow) UGC, Major Research Project)	April, 2012 – April, 2014
5	Dr. Rupesh S. Mankar	SRF, CSIR, New Delhi	April, 2012 –Oct. 2012
6	Mr. Rupesh S. Mankar	Project Fellow) UGC, Major Research Project	Sept. 2012 – March, 2012

## b) from other institutions/universities

S. N.	Name	Doctoral/post-doctoral / Research Associate	Duration of Fellowship
1.	Mr. Abhaya M. Varade	Teacher Fellow (FIP Scheme, UGC, New Delhi)	April, 2013– July, 2014

40. Number of post graduate students getting financial assistance from the university.  
Nil
41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology :  
No
42. Does the department obtain feedback from
- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?  
➤ Yes, as per the feedback, the department takes the initiatives to improve whatever is needed.
  - Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?  
➤ Yes, as per the feedback, the department takes the initiatives to improve whatever is needed.
  - Alumni and employers on the programmes offered and how does the department utilize the feedback?  
➤ Yes, as per the feedback, the department takes the initiatives to improve whatever is needed.
43. List the **distinguished alumni** of the department with their designation and address (maximum 10)

S. N.	Name of the alumni	Designation	Address
1	Dr. P. S. Ingale	Asst. Professor	G. S. Tompe College, Chandur Bazar
2	Dr. Pravin Parimal	Asst. Professor	G. S. Tompe College, Chandur Bazar
3	Dr. R. S. Mankar	Asst. Professor	Arts, Commerce and Science College, Chikhaldara
4	Mr. P. S. Ganvir	Asst. Professor	M. G. Arts, Science College, Armori.
5	Mr. H. M. Kathare	Jr. Geologist	GSDA office, Yeotmal.
6	Mr. Indrajeet Dabherao	Jr. Geologist	GSDA office, Amravati.
7	Dr. Vinay Rathod	Sr. Geologist	GSDA office, Washim.
8	Mr. Amol Kalaskar	Jr. Geologist	GSDA office, Ahmadnagar.
9	Mr. Vijay Solanke	Jr. Geologist	GSDA office, Jalgaon.
10	Mr. Saurabh Motghare	Jr. Geologist	GSDA office, Amravati.

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.  
Nil



45. List the teaching methods adopted by the faculty for different programmes.
- Classroom interactive teaching with modern methods using DLP.
  - Actual learning by Hands on training in the local Geological field.
  - Student Seminar method.
  - Assignments method.
  - Educational Excursion tour to visit mines specialised laboratories and Government Geological Organisations.
  - Project work with industries and Geological organisations as a part of curriculum.
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
- The department ensure that programme objectives are constantly met and learning outcomes are monitored through regular Class tests, assignments, mid-term evaluation, time to time monitoring of teaching, learning and extension activities
47. Highlight the participation of students and faculty in extension activities.
- Majority of the students and faculty participates in the two extension activities such as
1. Water resource development of rural part of Amravati region and
  2. Groundwater quality testing of highly populated slums of Amravati city which are being conducted by the department for improving the water resource management of the Amravati region and also campus
48. Give details of “beyond syllabus scholarly activities” of the department
- The students of the department regularly organise various programmes which are beyond syllabus scholarly activities such as Geological wall magazine giving latest articles related to Geology, conducting scientific group discussions on recent topics, unresolved mysteries of Geology, latest news about natural calamities through display boards etc.
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.
- No
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- The department has made excellent contribution in generating new knowledge in both basic and applied aspects of Geoscience such as Igneous petrology, Geochemistry, Palaeomagnetism, Water resource management, Remote sensing and GIS, Environmental Geology, Sedimentology and Palaeobiology.
- In addition, high quality research contribution is being made through international research collaborations with IPGP, Paris, Princeton University, MIT, USA and Lausanne University resulting to research publications in Journal Geophysical Research (JGR) and SCIENCE with five year Impact Factor of 34.40.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

**Strengths:**

1. Teaching faculty with academic and research experience
2. Advanced level research at basic and applied areas
3. International research collaborations with Princeton University, MIT, USA, Lausanne University, Switzerland
4. Exposing students to various, mines and advanced laboratories as a part of curricula
5. Promoting entrepreneurship among students

**Weaknesses:**

1. Inadequate infrastructure and,
2. Insufficient teaching and non-teaching staff

**Opportunities:**

1. To establish modern laboratories in Remote sensing and GIS
2. Water resource management for sustainable development
3. Conservation of water & soil sources
4. Development of water purification technology for saline areas
5. Development need based technology for water resource management.

**Challenges:**

1. To inculcate research culture among the students
2. To make the students competent to qualify for competitive examinations like MPSC, UPSC, and other jobs
3. To encourage PG students for research degree programs like Ph.D.
4. To promote research and extension activities of the department

52. **Future plans** of the department.

1. To popularise the subject through seminars, popular lectures, articles in national papers so as to attract the students
2. To enhance the academic and research environment of the department by establishing advanced laboratories, smart teaching facilities
3. To procure additional infrastructure and modern equipments for enriching the quality of R&D in the department
4. To encourage the students and research scholars for getting suitable employment opportunities
5. To enhance the facilities for students such as computer lab, internet facilities etc
6. To procure more research projects for generating financial assistance
7. To publish research papers in high impact factor journals
8. To have more research collaborations at international and national level

## Evaluative Report of the Department

1. Name of the Department : **Botany**
2. Year of establishment : 1990
3. Is the Department part of a School/Faculty of the university?  
NA
4. Names of programmes offered : PG  
(UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., Diploma, P.G. Diploma, Certificate Courses, Advance Diploma etc.):

Level of the Programme	Name of the Programme	Duration	Intake capacity	Faculty
PG	M.Sc.(Botany)	2 years	30	Science
Ph.D	Botany	-	8 per faculty	Science

5. Interdisciplinary programmes and departments involved  
NA
6. Courses in collaboration with other universities, industries, foreign institutions, etc.  
NA
7. Details of programmes discontinued, if any, with reasons  
NA
8. Examination System:
  - Semester Pattern
  - Choice Based Credit System
9. Participation of the department in the courses offered by other departments  
➤ Yes. As per CBCS.
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/Others (specify)):

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	01	01	02
Associate Professor	01	01	01
Assistant Professor	03	03	02
Other (Specify)	-	-	-

11. **Faculty profile** with name, qualification, designation, area of specialization, experience and research under guidance:

S. N.	Name	Qualification	Designation	Gender (M/F)	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 yrs
1	Dr.J.A.Tidke	M.Sc. Ph.D.	Professor	M	Palynology,Floral Biology,Pollination Ecology, Mycology	30	11
2	Dr.S.R.Manik	M.Sc. Ph.D.	Professor	M	Ethnobotany,Paleobotany,Cytogenetics	23+9 yrs at BSIP, Lucknow	10
3	Dr.VarshaN.Nathar	M.Sc. Ph.D.	Associate Professor	F	Cytogenetics, Biotechnology, Plant Tissue Culture, Molecular biology	15	10
4	Dr. P.A.Gawande	M.Sc. Ph.D	Assistant Professor	M	Molecular Biology, Cytogenetics,	17	04
5	Mr. K.C.More	M.Sc.	Assistant Professor	M	Molecular Biology	2.5	---

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

Year	Name of senior Visiting Fellows	Name of adjunct faculty	Name of emeritus professors
2011-12	Prof.N.Ramaswamy Department of Biotechnology Kakatiya University, Warangal	----	----
2010-11	Prof. C.Manoharachary Professor Emeritus, Department of Botany, Osmania University, Hyderabad	---	----

## 13. Percentage of classes taken by temporary faculty- programme wise information:

S. N.	Year	No. of CHB	% of classes taken
1	2014-15	21	59.33
2	2013-14	21	70.80
3	2012-13	19	62.05
4	2011-12	19	62.05
5	2010-11	27	62.05

14. Programme-wise Student Teacher Ratio (*include only permanent staff*) :

S. N.	Year	Student Teacher Ratio
1	2014-15	7:1
2	2013-14	7:1
3	2012-13	7:1
4	2011-12	13:1
5	2010-11	13:1

## 15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

S. N.	Name of the Post	No. of Sanctioned Posts	No. of Filled Posts	No. of Vacant Posts
1	Lab Technician	01	01	--
2.	Lab Attendant	02	02	--

## 16. Research thrust areas as recognized by major funding agencies:

➤ Palynology, Floral Biology, Pollination Ecology, Mycology, Ethnobotany, Palaeobotany, Cytogenetics, Biotechnology, Plant Tissue Culture, Molecular biology

17. **Number of faculty with ongoing projects** from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

S. N.	Name of Faculty (PI/Co-PI)	Title of Project	Funding Agency	Total Grants Sanctioned	Status National/ International	Duration	Ongoing/ Completed
1	S.R.Manik Co-P.I.	Creation of experts directory of	NSTMIS, New Delhi	13,50,480/-	National	03 (2012-15)	Complete

		scientists in life sciences”					
		Process Development and Characterization of Antiuro lithic Activity of Bioactive Metabolites of Selected Medicinal Plant from Melghat Forest Region (Amravati)-	Rajiv Gandhi Science & Technology Commission , Mumbai	20.42 Lakhs		3 Years (from 13th February 2013)	Ongoing
2.	P.A Gawande	Phylogenetic analysis of Dioscorea..... .....Western Ghats and Satpura Hilly Ranges...matK and AFLP.....	UGC F.No. 39-423/2010	905800	National	3 years (2011-14)	Completed

18. Inter-institutional collaborative projects and associated grants sanctioned:

Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants sanctioned:

Nil

20. Research facility / centre :

Details of Facilities and Major Equipments for Research (more than 1 Lac) available in the Department:

S. N.	Name of items
1	Carl Zeiss make primovert Trinocular Inverted Microscope with cannon power shot digital camera with Filter Adobpter with attachable stage enlargement for Promovert
2	i)Clasus interactive white board 77” (German Make) ii)e Beam Complete USB iii) e Beam inscribe 200e (Wireless tablet) iv) e Beam Document Camera Focus 150.

	v) e Beam LiveWire vi) Digital Note Maker
3	5331000.01 Master Cycler Gradient (230V 50-60hz) with heated lid and 1 personal card.
4	Micropulser Electroporator 41BR8110
5	1640302 SUBCELL GT / Power pack Basic System consist of 7 parts With Accessseries
6	Laboratory Vertical Autoclave "UTS" size 750x550mm
7	Trinocular Fluorescence Microscope"Carl Zesis" Model AXIO lab A1
8	High speed Centrifuge refrigerated without rotorhead C-24 BL "REMI"
9	Biovis Leaf AV portable Leaf Area Meter

21. Special research laboratories sponsored by / created by industry or corporate bodies  
Nil

22. Details of Publications:

**22.1 Research Articles/Publication :**

S. N.	Name of Authors	Title of Paper	Name of the Journal and Vol. No., Year, Page No.	Status National/ International	ISSN/ ISBN No of Journal	Impact Factor (if any)	h-Index (if any)	Citation Index (if any)	Listed in International Database (if any)
<b>2014-15</b>									
1.	Manik S.R.	Phytochemical of Tribulus terrestris roots in methanol solvent using GC- MS	Periodic Research Vol No. 3(1) August 2014	National	2231-0045				
		GC MS Analysis of The Liverworts Plagiochasma appeandiculatum Lehm. Et Limdenb.	International Journal of Chemical and Physical Sciences Vol No.4: 372-376, 2015	International	2319-6602				
2.	Nathar V.N.	Investigation on Secondary Metabolites in Cissus quadrangularis Linn.	Journal of Pharma and Bio Sciences: 6(2): 349-353.	International	ISSN 0975-6299				
		Callus culture of Spilanthes paniculata (DC)	Journal of Science and Research,	International	ISSN 0975833				

		Jansen- An Aromatic Medicinal plant.	Volume 3 Issue 11, November 2014.						
<b>2013-14</b>									
1.	J. A. Tidke	Inhibition of pollen germination and tube growth in <i>Hamelia patens</i> (Rubiaceae).	The botanique, Vol. 17 (2): 84-89.	National	0257-800				
2.	S.R. Manik	Macrophytes as a heavy metal scavengers at MIDC effluent Stream.	Journal of Life Sciences: 1(2); 149-153	Internati onal	(ISSN - 2320-7817; eISS N- 2023-964).				
		Investigations on Important Secondary Metabolites in <i>Dolichandrone falcata</i> Seem. Leaves using GC-MS	Journal of Drug Development Research (IJDDR): 169-173.	Internati onal	0975-9344)				
		Determination of phytoconstituent s of <i>Dolichandrone falcata</i> Seem. Flower through GC MS.	Int. Journ. For Pharma. Res.Scholars V-31-1, 2014	Internati onal	ISSN 2277-7873	1.0 285			
3.	NatharV.N.	Micropropagatio n of an antidiabetic medicinal plant, <i>Artemisia pallens</i> ,	Turk J Bot 38: 491-498	Internati onal	ISSN: 1300-008X E-ISSN 1303-6106	1.6			CAB abs, EBSCO Host, Forestry Abs, GOBase/ Elsevier, Scopus,B IOSIS
		Detection and Analysis of Genetic Variations in species of <i>Plumbago</i> L.	Indian Journal of Biotechnology Vol ( 2014)13, pp. 140 143	National	0.715	0.6 2			



		using RAPD markers							
		Phytochemical Screening of Bioactive Constituents in Indigofera cassioides Rottl. DC.	Indian Journal of Applied Research (2013) 3: (7). 1-4	National	2249-555X	0.8215			Peer reviewed and International referred Journal
		Genomic DNA Isolation from Plumbago L. Species growing in India.	Journal of Scientific Research (2013), 2(7), 45-46	International	2277-8179	0.3317			
4	Gawnade P.A.	Establishment of Phylogenetic relationship on the basis of SDS-PAGE among the Dioscorea species under section Opsophyton, Enantiophyllum and Lasiophyton from Melghat Tiger Reserve Maharashtra, India. 77-80	Journal of Life Sciences. Special Issue A2. (1994): 77-80	International	2320-7817 , eISSN 2320-964X				
<b>2012-13:</b>									
1.	J.A. Tidke	Scanning Electron Microscopic Studies on Pollen Morphology of <i>Bauhinia</i> (Caesalpiniaceae)	Indian Journal of Fundamental and Applied Life Sciences (Online). Vol. 2 (1) January-March, pp.145-151.	National					
		Studies on pollination and reproductive biology of <i>Pongamia pinnata</i> L. (fabaceae)	Indian Journal of Fundamental and Applied Life Sciences (Online). Vol. 3(1) January-March, pp.149-155.	National					
		Palynomorphological studies on family	Int J Pharm Bio Sci Vol. 4 (3): (B) 273 – 279.	International					

		Mimosaceae.							
		Scanning Electron Microscopic Studies on Pollen Morphology of <i>Bauhinia</i> (Caesalpiniaceae)	Indian Journal of Fundamental and Applied Life Sciences (Online). Vol. 2 (1) January-March, pp.145-151.	National					
		Studies on pollination and reproductive biology of <i>Pongamia pinnata</i> l. (fabaceae)	Indian Journal of Fundamental and Applied Life Sciences (Online). Vol. 3(1) January-March, pp.149-155.	National					
2.	Manik S.R.	Seed surface characteristics of Acanthaceae	Geophytology 42(1) : 77:81	National	0376-5561)				
3.	Nathar V.N.	Meiotic analysis and pollen viability in <i>Asparagus racemosus</i> var. javanica (Kunth) Baker	Annals of Plant sciences 2(04) 108-113	National	2287-688X				
		Preliminary screening of different phytochemicals from <i>Ensete superbum</i> ( roxb.) Cheesman: A highly medicinal plant of Indian Origin.	Journal of Phytochemistry and Pharmacology P.No. 57-60	International	2231-010X				
		Breaking Embryonic Seed Dormancy Of <i>Malus Pumila</i> Mill. (Apple) Under In-Vitro Conditions By Kinetin,	<i>Journal of Innovation Sciences and Discoveries</i> , vol 4	International					

2011-12:									
1.	J. A. Tidke	Honey as a regional bee floral indicator - A palynological assessment;	J. Indian Bot. Soc. 89(3 and 4):234-333.	National					
		Observations on reproductive biology of <i>Madhuca longifolia</i> Koen Macbr;	The International Journal of Plant Reproductive Biology, 3(1):47-54.	International					
		Insect pollination, fruit set and seed yield in <i>Allium cepa</i> L. Alliaceae);	The Botanique, 15(1 and 2): 23-32	National	0257-800				
		Studies on pollen morphology of <i>Ipomoea</i> species (Convolvulaceae),	Int. jr. Research in Plant Biology, Vol. 1 (5), 2011, pp. 41-47.	International					
2.	Manik S.R.	Anatomical Features of Ethno-medicinal plants <i>Murraya koenigii</i> Spreng.	The Botanique 16(1&2): 45-49	National	0257-800				
3.	Nathar V. N.	Pollen Viability and in vitro germination in diploid and tetraploid <i>Asparagus</i> L. in	1 Journal of Current Research	International	0975-833X				
		Studies of Bioactive Constituents in <i>Indigofera tinctoria</i> Retz.	Bio Chemical Science	National	2230-8474				
		Amicid: A Computer Generated Program For Amino Acid Detection	J.Adv. Bioinfo. App. and Res. Vol3(2): 290-293	National	0976-2604				

		Meiotic abnormalities in Chlorophytum comosom (Thunb.)	J. Research in Plant Science(29-34)	International	2249-9717				
		Phytoconstituents, Proximate and Mineral Composition of Semecarpus anacardium L. An Ethnomedicinal Plant	Journal of Current Research (special issue) (423-428)	International	0975-833X				
<b>2010-11:</b>									
1.	J. A. Tidke	In-Silico characterization of pollen – specific protein Bnm 1 from Arabidopsis thaliana L.	International Journal of Genomics and Proteomics, 1(1): 1-8.	International					
		Computational analysis of SRK protein from Brassica oleracea L. for allergic and antigenic characters	International Journal of Genomics and Proteomics, 1(1): 25-33.	International					
		Insilico analysis of major pollen allergen Pha a 1 from Phalaris aquatica (Canary grass);	Ind. J. Aerobiology, 23 (1): 18-27.	National					
2.	Manik S.R.	Direct organogenesis of Mentha piperata L. from shoot tip, nodal and sucker explants,	J. Agricultural Technology 8(2) : 663-669	National	(ISSN : 1686-9141)				
		On the Glossopteris leaf from Kamthi formation Maharashtra, showing a whorl and	The Botanique 15 (1& 2): 62-67.	National	0257-800				

		attachment to stem.							
		Bhuddhist approach to solve global ecological crisi,-	RB:173-175.	Nationa 1	ISSN 2231- 1025 :				
3.	Nathar V.N.	Algorithm developed for searching literature in plants through offline and online	J.Adv.Bioinfo. App. and Res.Vol. 1(1):37-40	Nationa 1	0976- 2604				
		Phytochemical investigations on indigofera cordifolia Hyene EX Roxb.	J.Ind. Bot. Soc.	Nationa 1	0019- 4468				
		Direct organogenesis of Mentha piperata L. from shoot tips, nodal and sucker explants.	J. Agricultural Tech. 8 (2): 663-669.	Nationa 1	1686				
4.	Gawande P.A.	Estimation of Genetic Diversity among wild Vigna species revealed by RAPD Markers.	Annals of Biological Research, 2 (4) :348-354	Nationa 1					

## 22.2 Books Written/ Edited:

S. N.	Name of Authors	Title of Book	Name of Publisher	ISSN/ ISBN No.	Year, No. of Pages	Acted as (Editor/ Author)
1	Gawande P.A.	Molecular Biology and biotechnology	Nabha Prakashan, Amravati (M.S.)	ISBN : 978- 81-905776- 102-1  ISSN: 978819057761 019	2015 53-82	Co- Author

22.3 Monographs/ Chapters in Book/s Written/Edited:  
Nil

22.4 Publications in Conference/Seminar Proceedings:

Sr. No.	Name of Authors	Title of Paper	Name of the Conference/Seminar/Workshop	Status National/ International	ISSN/ISBN No (if any)	Name of Organizing Agency	Duration and Date	Volume and Page No. of Proceedings
1	J.A. Tidke	Neural network based on pollen classification	Conference on Advances in Computing, Communications and Informatics (ICACCI)	International		Sri. Jayachamarajendra college of engineering (SJCE), Mysore.	22-25 August, 2013	
2.	Tidke J.A.	Reliable classification of pollen SEM images using walsh-hadamard transform based features and Neural network approach.,	on "Recent Initiatives towards Green Electronics"	National	ISBN 978-81-922256-9-2	Post Graduate Department of Electronics, Brijlal Biyani Science College, Amravati (Maharashtra),	February 8th -9th 2013	pp. 267-278
3.	Manik S.R.	Role of the tribals in conservation of vegetation in Melghat forest, Dist. Amravati, Maharashtra:	Proceedings of Conference on Advances in Life Sciences- Present and Future	national	ISBN978-93-82588-05-4	Department of Botany and Zoology, Vidyabharti Mahavidyalay, Amravati.	11 <sup>th</sup> to 12 <sup>th</sup> Jan., 2013	301-304
4.	V.N.Nathar	Women in Modern India in	Proceedings of conference on Feminism in Contemporary India	National	ISBN978-81-922414-9-4	by Pratibha Women's Studies Center Vidyabharti Mahavidyalay, Amravati	30 <sup>th</sup> March, 2012	Vol. (I) PP.139 - 142(2012)

23. Details of patents:

Nil

24. Areas of consultancy and income generated:

Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:

Nil

26. Faculty serving on

a) National committees b) International committees c) Editorial Boards d) any other (please specify):

S. N.	Year	Name of the Faculty	National Committees/ International Committees/ Editorial Boards/	Organization	Acted as Member / Chairman/ Secretary/ Others
1	2014-15	S.R.Manik	National	Society for Biotechnologists	Member
		J.A.Tidke V.N.Nathar	National	Aerobiological Society Indian Women Scientist Association, Mumbai	Member Convener (Amt Branch) and Member
		P. A. Gawande	State	Indradhanushya	Chancellars observer sub committee member
2	2013-14	Tidke J.A. Manik S.R. Nathar V.N. Gawande P.A	National	Indian Botanical Society	Life Member
3	2012-13	Tidke J.A. Manik S.R. Nathar V.N. Gawande P.A	National	Indian Science Congress Association	Life Member
4	2011-12	Tidke J.A. Manik S.R. Gawande P.A	National	Indian Association of Angiosperm taxonomy	Life Member
5	2010-11	Manik S.R.	National	Journal of Research Studies	Advisory Board

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

- Faculties are motivated to attend Refresher/ Orientation/ Workshops/ Specialized Training Programmes/ Industrial Interaction to achieve excellence in teaching and research.

28. Student projects:

- Percentage of students who have done in-house projects including inter-departmental projects: 100 %
- Percentage of students doing projects in collaboration with other universities/ industry / institute:

Nil

29. Awards / Recognitions received at the National and International level by

- Faculty
- Doctoral / Post Doctoral Fellows
- Students

S. N.	Year	Name of the Faculty <sup>1</sup> /Doctoral <sup>2</sup> / post Doctoral Fellow <sup>3</sup> /Student <sup>4</sup>	Award / Recognition	Conferring Organization	Level (National/ International)
1	2014-15	Tidke J.A.	Jeevan Gaurav Puraskar	Laweshwar Sansthan Sangvi Durgawada	
		V.S. Dhoran <sup>2</sup>	Dnyansagar Award	Society of Cytologist and Geneticists and Shivaji University, Kolhapur	National
			Best Poster Presentation	Nagnath Arts, Commerce and Science College, Aundha Nagnath, Dist- Hingoli	National
2		A.V.Darsimbhe <sup>4</sup>	Best Oral Presentation	Shri Shivaji College Agricultural Biotechnology Amravati	National
3	2013-14	S.R. Manik <sup>1</sup>	Fellow IAAT	Indian Association of Angiosperm Taxonomy	National
		V.S. Dhoran <sup>2</sup>	Prof. R. M. Pai	Late Karmveer	National



			Award (1 <sup>st</sup> Prize)	Dr. P.R. Ghogrey Science College, Dhule	
		P.J. Gadge <sup>2</sup>	Best paper presentation at international symposium	Galgotiya University U. P	
4	2013-14	V.R. Narkhedkar <sup>4</sup>	UGC-CSIR NET		National
5	2012-13	J. A. Tidke <sup>1</sup>	Received Birbal Sahani and Savitri Sahani Citation award	Birbal Sahani and Institute of Paleobotany Lucknow.	National
6		T.B. Wankhede <sup>1</sup>	Received teacher fellowship	UGC Western region office, Pune under faculty development programme	
7		C.V.Ugale <sup>4</sup>	Anveshan	UGC	National
8		A.V. Darshimbe <sup>4</sup>	GATE 2012		National
9	2011-12	V.R. Narkhedkar <sup>4</sup>	Best Paper Presentation award	Vidyabharati Mahavidyalaya.(1-12 Jan 2013)	National Conference

### 30. Conferences/Seminars/Workshops organized by Department:

Sr. No.	Name of the Conference/Seminar/Workshop	Status National/ International	Name of Chairman/Organizing Secretary/Convenor	Funding Agency with Funds (if any)	Collaborators (if any)	Duration, Date and Venue
1.	XXII Annual Conference and International Symposium on "Innovative Prospects in Angiosperm Taxonomy"	International	Dr. S.R.Manik convener Dr.V.N.Nathar Org. Sec.	UGC, DST, CSIR, DBT, MoES, The Palaeobotanical Society, Lucknow and ISCA, Amravati chapter.	IAAT	28-30 October, 2012. Department of Botany, Sant Gadge Baba Amravati University, Amravati

2.	One Day Seminar on "Ecodiversity and its sustainable Management"	National	S.R.Manik Convener:  Nathar V.N. Org. Sec.  Gawande P.A. Treasurer	TRDEA,SGB Amravati University	Botany Teachers Association , S.G.B.Amr avati University Amravati	29 <sup>th</sup> February, 2012 Department of Botany, Sant Gadge Baba Amravati University Amravati
3.	Diversity of Angiosperms", Amravati on		S.R.Manik Convener:  Nathar V.N. Org. Sec.  Gawande P.A. Treasurer	TRDEA,SGB Amravati University	Departmen t of Botany, Sant Gadge Baba Amravati University	27 <sup>th</sup> September 2014.
4.	One day workshop on the theme " Natural Resources, Bio-Diversity and Geography Information System.."	National		UGC.	Academic Staff College, Sant Gadge Baba Amravati University, Amravati, Department of Zoology	18/10/2011
5.	38th Annual Conference on "Mycology"	National	V.G.Thakare J.A.Tidke Convener  P.W.Deotare S.R.Manik Org Sec	UGC, DST	Mycologic al Society of India, Shri Shivaji Science College, Amravati and Department of Botany, SGB Amravti University Amravati	6 <sup>th</sup> -7 <sup>th</sup> Feb., 2012 Department of Botany, Shri Shivaji Science College Amravti

## 31. Code of ethics for research followed by the departments :

- Sincerity, honesty and purity for maintainance of santityof research,
- Equitable and unbiased sharing of research infrastructure.

## 32. Student profile programme-wise:

Year	Admitted to First Year of the Course			Pass Percentage of Students	
	Boys	Girls	Total	Boys	Girls
2014-15	09	21	30	--	--
2013-14	10	15	25	78	66.6
2012-13	10	19	29	70	10.52
2011-12	02	08	10	50	75
2010-11	12	11	23	50	54.54

## 33. Diversity of students

Name of the Programme	Year	Percentage of students from the same university	Percentage of students from other universities within the State	Percentage of students from Universities outside the State	Percentage of students from other countries
M.Sc. (Botany)	2014-15	86.67	0	13.33	0
	2013-14	84	4	12	0
	2012-13	72.41	6.90	20.69	0
	2011-12	70	10	20	0
	2010-11	91.30	8.70	0	0

## 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

Sr. No	Category of Exam	Number of Students qualified (Year 2010- 15)
1	NET, SET	03
2	GATE	01

## 35. Student progression:

Student progression		Percentage against enrolled
UG to PG		-----
PG to M.Phil.		-----
PG to Ph.D.		35-40%
Ph.D. to Post-Doctoral		----
Employed		
<input type="checkbox"/>	Campus selection	----
<input type="checkbox"/>	Other than campus recruitment	
Entrepreneurs		-----

## 36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	01
from other universities within the State	04
from universities from other States from	00
universities outside the country	--

## 37. Number and Name of the faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

Nil

## 38. Present details of departmental infrastructural facilities with regard to :

- Library -01
- Internet facilities for staff and students 04 for staff and 08 for Students
- Total number of class rooms- 02
- Class rooms with ICT facility -02
- Students' laboratories -02
- Research laboratories-01

## 39. List of doctoral, post-doctoral students and Research Associates :

- from the host institution/university

S. N.	Name	Doctoral/post-doctoral / Research Associate	Duration of Fellowship
1	Ms. Chetna Ugale	Doctoral	2 yrs
2	Mr.S.A. Saudagar	Doctoral	Till completion
3	Mr.Sunil Tayade	Doctoral	Till completion
4	Mr Kavita lokhande	Doctoral	Till completion
5	Ms Neha Nimbhorkar	Doctoral	3Yrs
6	Ms.Tina Landge	Doctoral	2 Yrs

- from other institutions/universities

Nil

## 40. Number of post graduate students getting financial assistance from the university.

Nil

## 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

No

## 42. Does the department obtain feedback from

- i) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
  - Faculty is involved in the curriculum development through board of studies in Botany
- ii) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
  - Students feedback on staff and curriculum is utilized for the improvement of up gradation of teaching learning process
- iii) Alumni and employers on the programmes offered and how does the department utilize the feedback?
  - Alumni meet are organised to focus programmes offered by the department and enriching the reading material

43. List the **distinguished alumni** of the department with their designation and address (maximum 10)

Sr. no	Name	Designation	Address
1.	Dr. J. A. Tidke	Pro-Vice Chancellor	Sant Gadge Baba Amravati University Amravati.
2.	Dr. Vikram Chhatre	Scientist	Appalachian Lab. University of Maryland center for Environmental Science Frostburg M.D
3.	Dr. A. B. Ade	Professor	Department of Botany University of Pune, Pune.
4.	Dr. R. W. Raut	Associate Professor	Department of Botany, Institute of Science, Mumbai
5.	Dr. Vijay Wagh	Scientist-C	NBRI, Lucknow
6.	Dr..Varsha Rathod	Assistant Professor	Shivaji University Kolhapur, Kolhapur
7.	Dr. G.D. Murtkar	Assistsnt Professor	Arts and science college Chikhaldara
8.	Dr.Smita Gudadhe	Assistant Professor	Arvind Baba Deshmukh M.V. Bharsingi, Dist- Nagpur Tal-Nankhed
9.	Dr.Sonal Nagarakar	Assistant Professor	Adarsh College Hingoli
10.	Dr. S.S. Rokade	Assistant Professor	Late shri. Pundalikrao Gawali Arts and Science College Shirpur (Jain) Dist Washim

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Sr.No	Speaker	Designation	Topic	Date
1	Dr. Milind Sardesai	Associate professor Department of Botany Dr. Babasaheb Ambedkar Marathwada University Aurangabad	ICBN code of Nomenclature	26 <sup>th</sup> July 2010.
2	Dr. Larry Joe Morgan	Professor Jacksonville State University, USA	GIS and role of Geoinformatics in field of Biology	28/11/2011
3	Dr. P. B. Nandkar	Professor department of Botany RTM Nagpur University	Interlinking of river and its implication on environment	24 Sept 2011
4	Dr. Ranjan Pandey	Senior Scientist National Physical Laboratory, New Delhi	Applications of Nanotechnology in Biological Sciences	23 Feb. 2012
5	Dr. Arti Saoji	Ex Director, Institute of Science, Nagpur	Education system and challenges ahead with new education system	25 <sup>th</sup> Sep 2013
6	Dr.K.R.Krant hi	Director Central Institute For Cotton Research	10 years of Bt cotton in India	01/10/2012

45. List the teaching methods adopted by the faculty for different programmes.

- Lecture method, Power point Presentations, Interactive Board.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

- Departmental meetings are organised, involvement for motivating the students for participation in various activities like seminar competitions, National Science Day, Avishkar, home assignments and periodical tests and counselling, remedial classes etc.

47. Highlight the participation of students and faculty in extension activities.

- Wild Life week programme was organized jointly with Department of Zoology and Melghat Forest Reserve in the first week of October 2013.
- Workshop on potato cultivation and practices at Kolapur Tq. Dharani on Friday 22 Oct 2010
- Studies on causes of uprooting of trees due to heavy rainfall in Amravati region and its impact.
- Awareness about environment in rural areas like Deulgaon raja Sangawi Durgwada.

48. Give details of “beyond syllabus scholarly activities” of the department.

- Botany Research Cell, display of current events, communication on job opportunities, information brochures, poster presentations, scientific contributions etc.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. :

No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- The department is contributing through basic and applied aspects of plant science by imparting recent developments in the subject through regular faculties, invited lectures, organising the seminar activities on focal themes like ecodiversity plant taxonomy.
- Students are motivated to undertake research problems with impact on resolving issues of academic interest and applicability.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

**Strengths:**

1. Excellent team spirit and coordination among the faculty members,
2. Rapport with eminent faculty, scientist from universities and national laboratories,
3. Conducive research atmosphere,
4. Good track record of organisation of international conferences
5. Online database of pollen [www.pollenindia.com](http://www.pollenindia.com) made available for researchers.

**Weaknesses:**

1. Inadequate sanctioned teaching post, technical, non teaching and paucity of administrative staff.
2. Insufficient financial assistance for strengthening the research.
3. Insufficient infrastructural facilities for specialised laboratories.

**Opportunities:**

1. MOU with CICR, NEERI and Valencia University Spain which opens new avenues in the field of research.
2. Job opportunities and placements in the multiple fields and R&D laboratories through tie up with the organisation.
3. Proper recognition to specialised and innovative courses
4. Providing inputs and methodology for roadside plantation and Social forestry.
5. Popularisation of Traditional Knowledge

**Challenges:**

1. Lack of inclination towards basic discipline
2. Job opportunities in scientific and academic institution
3. More attraction professional degrees
4. Inadequate funds for infrastructural facility and advance technology based researches

**52. Future plans of the department:**

- Digitalisation of pollen grains
- Authentification of plant resources through experimentation
- Evolutionary studies of plant groups through molecular markers
- Elicitation of important secondary metabolites
- Application of plant species in product development
- Enhancement of infrastructural facilities for specialised laboratories
- Attempts to file patents
- Introduction and Conservation of rare plants
- Separate laboratory for plant physiology and metabolism



## Evaluative Report of the Department

1. Name of the Department : **Zoology**
2. Year of establishment : 1991
3. Is the Department part of a School/Faculty of the university?  
NA
4. Names of programmes offered :  
(UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., Diploma, P.G. Diploma, Certificate Courses, Advance Diploma etc.):

Level of the Programme	Name of the Programme	Duration	Intake capacity	Faculty
PG	M.Sc.( Zoology )	2 years	30	Science
Doctoral	Ph. D.	---	8 each supervisor	Science

5. Interdisciplinary programmes and departments involved  
Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc.  
Nil
7. Details of programmes discontinued, if any, with reasons  
Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System  
Semester - Choice Based Credit System
9. Participation of the department in the courses offered by other departments  
Yes- As per the CBCS
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	01	Nil	Nil
Associate Professor	01	Nil	02
Assistant Professor	03	03	01
Other (Specify)	--	--	--

## 11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

S. N.	Name	Qualification	Designation	Gender (M/F)	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 years
1	Dr. G. N. Vankhede	M. Sc. Ph. D.	Professor	M	Fishery, Toxicology, Molecular Biology, Immunology Arachnology,	>32 yr Retired in 2013	08
2	Dr. C. K. Deshmukh	M. Sc. Ph. D.	Asst. Prof.	F	Entomology Toxicology Physiology, Biodiversity	14yr	Nil
3	Dr. H. P. Nandurkar	M. Sc. Ph. D. NET	Asst. Prof.	F	Physiology, Toxicology, Aquaculture, Biodiversity, Arachnology	22yr	Nil
4	Sh. V. K. Nagale	M. Sc. NET	Asst. Prof	M	Physiology, Cytogenetics	12.yr	Nil

## 12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Year	Name of senior Visiting Fellows	Name of adjunct faculty	Name of emeritus professors
2013-14	Nil	Nil	Nil
2012-13	Nil	Nil	Nil
2011-12	Dr. R. C. Gupta Dr. D. R. Khanna Dr. Amita Mayekar	Nil	Nil
2010-11	Nil	Nil	Nil

## 13. Percentage of classes taken by temporary faculty – programme-wise information

S. N.	Year	No. of CHB	% of classes taken by temporary faculty
1	2014-15	16	63.39
2	2013-14	15	64.33
3	2012-13	09	48.22
4	2011-12	15	48.22
5	2010-11	13	48.22

## 14. Programme-wise Student Teacher Ratio

S. N.	Year	Student Teacher Ratio
1	2014-15	18:1
2	2013-14	14:1
3	2012-13	5:1
4	2011-12	7:1
5	2010-11	7:1

## 15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Sr. No.	Name of the Post	No. of Sanctioned Posts	No. of Filled Posts	No. of Vacant Posts
01	Lab. Technician	1	1	--
02	Lab. Attendant	2	1	1

## 16. Research thrust areas as recognized by major funding agencies

➤ Ecology, Biodiversity and Reproductive Physiology.

## 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

S. N.	Name of Faculty (PI/Co-PI)	Title of Project	Funding Agency	Total Grants Sanctioned	Status National/International	Duration & Year of Sanction	Ongoing/Completed
1.	PI : Dr. C. K. Deshmukh	Investigate the effects of homeopathic drug: Acid phos on male albino rat	UGC	7,12,800/-	National	Three years (2012-13)	Ongoing
2.	PI : Dr. G. N. Vankhede	Development of an assessment system and evaluative of the ecological status in river Satpuda	UGC	563714/-	National	Three (2007-08)	Completed
3.	PI :Dr. H. P. Nandurkar	Culicid biodiversity in mosquito borne diseased prevalent Amravati district of Maharashtra	UGC	Rs. 4,48,000/-	National	Three years (2010-11)	Completed
4.	Co. PI Sh. V. K. Nagale	Development and Study of the cladding modified fiber optics intrinsic	DRDO , New Delhi	21,04550/-	National	Three and half years (2010-11)	Completed

18.	Inter-institutional collaborative projects and associated grants received	
	a) National collaboration	b) International collaboration
	Nil	

- |     |   |     |
|-----|---|-----|
| 19. | Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.   | Nil |
| 20. | Research facility / centre with <ul style="list-style-type: none"> <li>▪ State recognition</li> <li>▪ National recognition</li> <li>▪ international recognition :               <ul style="list-style-type: none"> <li>➤ Spider museum</li> </ul> </li> </ul> |     |
| 21. | Special research laboratories sponsored by / created by industry or corporate bodies  | Nil |
| 22. | Publications:   |     |

S. N.	Name of Authors	Title of Paper	Name of the Journal and Vol. No., Year, Page No.	Status National/ International	ISSN/ ISBN No of Journal	Impact Factor	h-Index	Citation Index	Listed in International Database
2014- 2015									
1	Sh. V. K. Nagale	1. Cladding Modification with Pani-Sulphanilic Acid Composite for Fiber Optic Intrinsic Glucose Biosensor	JAAST: Material Science (Special Issue) Vol. 1, issue 2, pp 228-231. Dec. 2014	International	ISSN - 2393-8188	---	--	--	-
2013-14									
1.	Dr. C. K. Deshmukh	Prevalence in the diversity of mosquito in Amravati city ,( M. S. )	J. ent. Res.	International	ISSN :0378 -9519	--	--	--	--
		1.Physico-chemical and microbial status of Malkhed lake at Chandur Railway , District : Amravati	The Bioscan 9(2):677-682, 2014	International	ISSN: 0973-7049	--	--	--	--
		2.A view regarding the diversity of butterflies of Dyanganga sanctuary in Maharashtra state	Journal of Environmental research and Development	International	ISSN :0973 6921	1.268	--	--	--

			t (4): 1015-1020, 2014						
2	Dr. H. P. Nandurkar	1. Study of tetracycline induced alteration in ascorbic acid contents in freshwater bivalves, Lamellidens corrianus (Lea) and Parreysia cylindrica (Annandale and Prashad).	The Bioscan, Vol. 8, Number 3: 2013, 997-1000	International	ISSN: 0973-7049	-	-	-	-
		2.Study of Anopheline diversity in mosquito borne diseased prevalent Amravati district of Maharashtra -	International Journal of Advancements in Research & Technology, Volume 3, Issue 4, April-2014 28	International	ISSN 2278-7763	0.4	-	-	-
		3.Morphological study of adult female Aedes species from the Amravati district of Maharashtra and its role as a vector	Journal of Biodiversity and Environmental Sciences	International	ISSN 2220-6663	1.356	-	-	-
2012-13									
1.	Dr. G. N. Vankhede	1) Lipocrea epeiroides: A new record from India  2) A new species of the spider genus Hygropoda from India.	Indian Journal of Arachnology, 2(2): 66-72.  2) Indian Journal of Arachnology, 2(1): 52-60.	National	-	-	-	-	-
2.	Dr. C. K. Deshmukh	1.Scanning electron microscopic studies on sensilla of different female mosquitoes	J. ent. Res. 36(1):65-70(2012)	International	0378-9519	-	-	-	-
3.	Dr. H. P. Nandurkar	1.Study of acute & chronic treatment of Tetracycline on total lipid contents in various tissues of freshwater mussels, Lamellidens corrianus(Lea) &Parreysia cylindrica (Annandale & Prashad)	Asian Jr. of Biological & Life Sciences,2012, Vol.I(I), 41-44	International	ISSN 2278 – 5957 Online	-	-	-	-
		2.Study of effect of trimethoprim on lipid contents in various tissues of freshwater mussels, Lamellidens corrianus&Parrevsia	Jr. of Environmental Bio-Sciences,2012: Vol.26(1):	National	ISSN 0973-6913	-	-	-	-

		cylindrica (Annandale & Prashad)	27-30						
		3.Effect of tetracycline and chloramphenicol on protein contents in different tissues of freshwater bivalve, Parreysia cylindrica (Annandale & Prashad)	Flora and Fauna An International Research Jr. of Biological Sciences, Vol.18(2),2012, 259-264	International	ISSN 0971-6920	NAA S: 3.4	-	-	-
		4.Effect of trimethoprim on glycogen contents in freshwater mussels, Lamellidens corrianus (Lea) & Parreysia cylindrica (Annandale & Prashad)	International Jr. Of Life Sciences, 2012 Vol. 6, Issue 1, 37-42	International	ISSN-2091-0525	-	-	-	-
2011-12									
1	Dr. G. N. Vankhede	1) On two new species of spiders of the genus Oxyopes latreille from Central India  2) Re-description of little known theraphosid spider. Chilobrachys assamensis Hirst.	Indian Journal of Arachnology, 1(1): 150-155  2) Indian Journal of Arachnology, 1(2): 24-29						
2	Dr. C. K. Deshmukh	histological studies on the alimentary canal of the millipede, anoplodesmus tanjoricus (pocock), (diplopoda: polydesmida)	The Bioscan 6(4) : 579-582, 2011	International	0973-7049				
3	Dr. H. P. Nandurkar	1.Comparative study of acute & chronic exposure of Chloramphenicol on total lipid contents in different tissues of model animals, Lamellidens corrianus(Lea) & Parreysia cylindrica (Annandale & Prashad)	International Multidiciplinary research journal 2012, 2(3): 33-35	International	ISSN: 2231-6302	-	-	-	-
		2.The effect of Chloramphenicol on ascorbic acid contents of Lamellides corrianus(Lea), Parreysia cylindrica (Annandale & Prashad)	Jr. of Ecobiotechnology, 2011,3(11): 08-11	National	ISSN: 2077-0464	-	-	-	-

2010-11									
1.	Dr. G. N. Vankhede	Conservation of spiders in India	ENVIS Bulletin Vol. 14(1): 54-59	National					
2	Dr. C. K. Deshmukh	1.Studies on Restriction Sites in Chnna punctatus	Hislopia Journal 3(2)2010	National	0976-2141	Nil	Nil		
		2.Neuroendocrine effect of synthetic pyrethroids : cypermethrine and fenvalerate on the third instar larvae of fruit sucking moth, Othreis materna (Linn.) (Lepidoptera: Noctuidae)vol.	Asian Journal of Experimental Sciences 24 ;1;137-140. 2010	International	ISSN 0971-5444				
		3.Morphological study on the alimentary canal of millipede , Anoplodesmus tanjoricus ( Pocock) Diplopoda: Polydesmida	The Ecosphere 2(1&2): 31-34,2011	International	ISSN 0976-1578	2.595			
		4.Impact of environmental factors on Population dynamics of pests of Safflower, Carthamus tinctorius	Environmental Biotechnology ,pp29-40	National	97881 76222 716				
3	Dr. H. P. Nandurkar	1.Study of Tetracycline & Chloramphenicol activity on the rate of oxygen consumption in (the experimental animal) freshwater bivalve, Lamellidens corrianus(Lea)	National Jr. Of Life Sciences, Vol.7(1) 2010: 45-48	National	ISSN: 0972-995X	-	-	-	-
		2.Effect of broadspectrum antibiotics on oxygen consumption rate of the freshwater bivalve, Parreysia cylindrica (Annandale & Prashad)	Jr. of Environment & Biosciences, Vol. 24(2): 183-187,2010	National	ISSN: 0973-6913	-	-	-	-
		3.Effect of Trimethoprim on protein contents of the freshwater bivalves, Lamellidens corrianus & Parreysia cylindrica	Jr. of Ecobiology, 2010, 27(4)369-376	National	ISSN: 0970-9037	-	-	-	-

## 22.2 Books Written/ Edited:

S. N.	Name of Authors	Title of Book	Name of Publisher	ISSN/ISBN No.	No. of Pages	Acted as (Editor/Author)
	Dr. G. N. Vankhede	Environmental Impact Assessment	Biotech Book	ISBN 978-81-7622-264-4	355	Author

22.3 Monographs/ Chapters in Book/s Written/Edited:  
Nil

## 22.4 Publications in Conference/Seminar Proceedings:

S. N.	Name of Authors	Title of Paper	Name of the Conference/ Seminar/ Workshop	Status National/ International	ISSN/ISBN No	Name of Organizing Agency	Duration and Date	Volume and Page No. of Proceedings
1	H. P. Nandurkar	Effect of trimethoprim on glycogen contents of freshwater mussel, <i>Lamellidens corrianus</i> (Lea)	Recent Trends in Biosciences	National conference	ISBN: 978-81-922866-1-7	G.S.Science, Arts & Commerce College, Khamgaon	27-28 July 2012	234-238

23. Details of patents and income generated  
Nil

## 24. Areas of consultancy and income generated

S. N.	Year	Name (s) of the Faculty Member	Area of Consultancy	Income Generated with Receipt Numbers
1	2013-14	Dr. G.N.Vankhede	Buldhana	3,00,000/-
2	2012-13	Dr. G.N.Vankhede	Etapalli	3,00,000/-
3	2011-12	Dr. G.N.Vankhede	Melghat	90,000/-

## 25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

S. N.	Year	Name of the Faculty	Name of the Laboratory / Institute / Industry visited	Status (National/International)	Duration
1	2013-14	Dr.C.K. Deshmukh (along with Research scholars)	Metallurgy Department, VNIT, Nagpur	National	26/09/2013



## 26. Faculty serving in

b) National committees b) International committees c) Editorial Boards d) any other

S. N.	Year	Name of the Faculty	National Committees/ International Committees/ Editorial Boards/ Any Other (specify)	Organization	Acted as Member / Chairman/ Secretary/ Others (specify)
1	2014-15	Dr. G. N. Vankhede	International Peered Reviewed Journal	Bioscience Biotechnology Research Communications	Honorary Advisory and Editorial Board
2	2013-14	Dr. G. N. Vankhede	International Peered Reviewed Journal	Bioscience Biotechnology Research Communications	Honorary Advisory and Editorial Board
3	2012-13	Dr. G. N. Vankhede	International Peered Reviewed Journal	Bioscience Biotechnology Research Communications	Honorary Advisory and Editorial Board
4	2011-12	Dr. G. N. Vankhede	International Peered Reviewed Journal	Bioscience Biotechnology Research Communications	Honorary Advisory and Editorial Board
5	2010-11	Dr. G. N. Vankhede	International Peered Reviewed Journal	Bioscience Biotechnology Research Communications	Honorary Advisory and Editorial Board

## 27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

- Faculties are motivated to attend Refresher/ Orientation/ Workshops/ Specialized Training Programmes/ Industrial Interaction to achieve excellence in teaching and research.

## 28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects – 100%
- percentage of students doing projects in collaboration with other universities / industry / institute - Nil

## 29. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / post doctoral fellows
- Students

S. N.	Year	Name of the Faculty <sup>1</sup> / Doctoral <sup>2</sup> / post Doctoral Fellow <sup>3</sup> /Student <sup>4</sup>	Award / Recognition	Conferring Organization	Level (National/International)
1	2013-14	H.P.Nandurkar <sup>1</sup>	1 <sup>st</sup> award of Poster presentation in National conf. during 19 <sup>th</sup> -20 <sup>th</sup> Jan. 2014	Shri Shivaji Vidya Prasarak Sanstha's Late Karmveer Dr. P.R. Ghogrey Science College, Dhule	National

30. Seminars/ Conferences/Workshops organized and the source of funding (national international) with details of outstanding participants, if any.

S. N.	Name of the Conference/Seminar /Workshop	Status National/ International	Name of Chairman/Or ganizing Secretary/ Convenor	Funding Agency with Funds (if any)	Collaborators (if any)	Duration, Date and Venue
2013-14						
1.	Behavior Change Conservation Campaigns: A new tool for species conservation with a focus on the Tiger in India”	International	Dr. Mrs. C. K. Deshmukh	UGC 2.50 Lacs	Satpuda Foundation, India , Environment Education Climate Global , USA Wildlife Wing of Mah. Forest Deptt., Nature Conservation Society , Amravati.	09 <sup>th</sup> Nov.-29 <sup>th</sup> November-2013
2012-13						
	Spiders from Agro-Ecosystems	National symposium-cum-Workshop	Convener :Dr. G. N. Vankhede Deptt. Of Zoology, Sant Gadge Baba Amravati Univ., Amravati			1st-4 <sup>th</sup> Dec. 2012
2010-11						
1.	National Workshop on Preparation of Question Bank	National	Dr. G.N. Vankhede	University 4.80 Lacs	Association of Indian Universities	02 <sup>nd</sup> July-04 <sup>th</sup> July, 2010
2.	National Workshop on Preparation of Question Bank	National	Dr. G.N. Vankhede	University 4.80 Lacs	Association of Indian Universities	30 <sup>th</sup> Sept.- 02 <sup>nd</sup> Oct. 2010
3.	Conservation Biology and Wild Life Management	International	Dr. G.N. Vankhede	University, 2 Lacs	Smithsonian Institute USA, S. G. B. Amravati University Amravati, Forest Wild Life Maharashtra , Satpuda Foundation India , Nature Conservation Society , Amravati	2-20 December, 2010

31. Code of ethics for research followed by the departments

- Wild Life Protection Act , 1972
- Maharashtra State Biodiversity Board, Nagpur u/s 22 Biological Diversity Act , 2002
- Prevention of Cruelty to Animals Act , 1960
- Dissection Monitoring Committee at departmental Level,
- Guide lines of Institutional Animal Ethics Committee,
- Sincerity and purity in research.

## 32. Student profile programme-wise:

Year	Admitted to First Year of the Course			Pass Percentage of Students	
	Boys	Girls	Total	Boys	Girls
2014-15	7	23	30	--	--
2013-14	5	23	28	100	67
2012-13	3	12	15	33.33	50
2011-12	4	10	14	50	70
2010-11	7	11	18	55	60

## 33. Diversity of students

Name of the Programme	Year	Percentage of students from the same university	Percentage of students from other universities within the State	Percentage of students from Universities outside the State	Percentage of students from other countries
M.Sc. ( Zoology )	2014-15	73.33	10	16.17	0
	2013-14	67.86	14.29	17.86	0
	2012-13	73.33	13.33	13.33	0
	2011-12	71.43	14.29	14.29	0
	2010-11	72.22	5.56	22.22	0

## 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

➤ NET	:	12
➤ SET	:	06
➤ GATE	:	01
➤ Other competitive examinations	:	Nil

## 35. Student progression

Student Progression	Percentage against enrolled
UG to PG	NA
PG to M. Phil.	Nil
PG to Ph.D.	25
Ph.D.to Post Doctoral	Nil
Employed	
▪ Campus Selection	Nil
▪ Other than campus recruitment	13
Entrepreneurs	Nil

## 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	25%
from other universities within the State	75%
from universities from other States from	Nil
universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

38. Present details of departmental infrastructural facilities with regard to :

d) Library	:	01
e) Internet facilities for staff and students	:	11
f) Total number of class rooms	:	02
g) Class rooms with ICT facility	:	02
h) Students' laboratories	:	02
i) Research laboratories	:	01

39. List of doctoral, post-doctoral students and Research Associates :

c) from the host institution/university

S. N.	Name	Doctoral/post-doctoral / Research Associate	Duration of Fellowship
1.	Mr. K. Ingale	Doctoral	August 2012 -2015
2.	Mr. Irfan Badroo	Doctoral( NET , JRF)	Synopsis is submitted in June 2014

d) from other institutions/universities

S. N.	Name	Doctoral/post-doctoral / Research Associate	Duration of Fellowship
	Jihan Mohd. Sallam from Egypt (under DST scheme "CV Raman Scholarship for African Researchers")		Jan 2011 to March 2011

40. Number of post graduate students getting financial assistance from the university.

Nil

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Nil

42. Does the department obtain feedback from

- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
  - Yes, to improve teaching-learning-evaluation programme.
- Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
  - Yes, Improve the knowledge based level of staff members (if any).
- Alumni and employers on the programmes offered and how does the department utilize the feedback?
  - Yes, department utilizes the feedback of employers and alumni to elaborate scope of Zoology

43. List the **distinguished alumni** of the department with their designation and address

S. N.	Name of the Alumni	Designation	Address
1.	Dr. K. B. Sangve	Asstt. Professor	Brijlal Biyani College, Amravati
2.	Dr. Reena Laharia	Asstt. Professor	Brijlal Biyani College, Amravati
3.	Dr. M. V. Shirbhate	Asstt. Professor	Shankarlal Khandelwal Arts Science and Commerce College, Akola
4.	Sh. Ravi Shinde	Asstt. Professor	Furguson College, Pune
5.	Sh. Satyuavijay Dhande	Asstt. Professor	Dr. R. G. Rathod Arts and Science College, Murtizapur
6.	Dr. Amit Vairale	Asstt. Professor	Gulam Nabi Azad Arts, Commerce and Science College, Barshitakli
7.	Dr. Dipa Kadu	Asstt. Professor	Arts and Science College, Pulgaon
8.	Dr. S. B. Santape	Asstt. Professor	Rajashri Shahu Science College, Chandur Railway
9.	Dr. M. P. Chikhale	Asstt. Professor	Rajashri Shahu Science College, Chandur Railway
10.	Sh. Jitendra H. Suryavanshi	Asstt. Professor	Aadarsha Science College, Dhamangaon Railway

44. Give details of student enrichment programmes (special lectures/workshops/ seminar) involving external experts.

S. N.	Name of the External Expert	Date
1.	Dr. C. B. Powar	28/10/2010 & 29/08/2013
2.	Sh. Kishor Rithe	12/10/2012
3.	Sh. Vishal Bansod	12/04/2013
4.	Dr. Dipak Aapte	01/10/2013
5.	Dr. Suresh Kohale	12/10/2013
6.	Dr. Varsha Deshmukh	05/04/2013
7.	Dr. Meena Patil	28/01/2014
8.	Dr. Ashwinikumar Deshmukh	11/02/2014
9.	Dr. Avinash Saoji	11/09/2014
10.	Mrs. Pankaja Gandhi	02/10/2014

45. List the teaching methods adopted by the faculty for different programmes.
- Interactive Classroom Teaching
  - Use of Animations and Video Clips
  - Use of PowerPoint Presentations and Chalk-Board method
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
- i) Compulsory Seminar activity for overall improvement of each student.
  - ii) Learning outcomes are monitored through conducting Quizzes, Competitions, Unit Tests and common Test examinations etc.
  - iii) Frequent questions during class teaching.

As a result, Miss Monisha Parmeshwar Bharate M.Sc. Part II (2013-14) obtained 1st rank in university Exam (86% CPG: 8.75) Gold Medal

47. Highlight the participation of students and faculty in extension activities.
  - Wildlife Week Celebration: Students participate in Seminar, Poster presentation competitions.
  - Vasundhara Festival Celebration – Miss Nikita Jane of M.Sc. II Won 1<sup>st</sup> Prize in Seminar Competition-2013, Ms. Sampada V. Chikhalikar 1<sup>st</sup> prize in Poster Presentation competition-2014.
  - Participation in various programmes of National Science Day,
  - Ms. Monisha Bharate and Ms. Sangeeta Chawande won 1<sup>st</sup> and 2<sup>nd</sup> Prize in Essay Competition during NSD 2014 Shramdan: All the staff members and students participate in this activity
  - Participation in Avishkar.
  - Miss Deepika Sonar M.Sc. Sem II is selected for Interuniversity Hockey Tournament 2014
48. Give details of “beyond syllabus scholarly activities” of the department.
  - Stem Cell Newsletters
  - Display of Scientific Articles from magazines or internet sources
  - Display of Newspaper cuttings.
  - Competitions based on extracurricular interest
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.
 

NA.
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
  - Department generates new knowledge through information on new inventions and research updates in the subject during teaching and applying new methods in practical portion of the curriculum to make students aware.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.
  - **Strengths:** Punctuality of staff, hard work, devotion and harmony
  - **Weakness:** Inadequate staff
  - **Opportunities:** Ample scope for research as Melghat Tiger Reserve and Lonar crater are in region.
  - **Challenges:** Parallel course running in many colleges
52. Future plans of the department.
  - To prepare a programme in P. G. diploma in “Medical Genetics”
  - To start an additional specialization in “Applied Entomology”.

## Evaluative Report of the Department

1. Name of the Department : **Sociology**

2. Year of establishment : 1990

3. Is the Department part of a School/Faculty of the university?  
NA

4. Names of programmes offered :

Level of the Programme	Name of the Programme	Duration	Intake capacity	Faculty
PG	M.A.	2 years	60	Social Science
Ph.D	Doctorate in Philosophy		08	Social Science

5. Interdisciplinary programmes and departments involved  
Nil

6. Courses in collaboration with other universities, industries, foreign institutions, etc.  
Nil

7. Details of programmes discontinued, if any, with reasons  
Nil

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System  
Annual

9. Participation of the department in the courses offered by other departments  
Nil

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	01	Nil	Nil
Associate Professor	02	01	01
Assistant Professor	02	02	02
Other (Specify)			

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

S. N.	Name	Qualification	Designation	Gender (M/F)	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 years
1	Dr.K.B. Nayak	M.A; M.Phil; Ph.D; NET & JRF	Associate Prof. & Head	M	Sociology of Development	15	08
2	Dr.K.U. Raut	M.A; M.Phil; Ph.D; NET	Assistant Professor	M	Rural Sociology	15	Nil
3	Ms.Ambika Dutta	M.A; NET	Assistant Professor	F	Gender & Society	02	Nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Year	Name of senior Visiting Fellows	Name of adjunct faculty	Name of emeritus professors
2013-14	Dr. D.N. Dhanagare, National Fellow of Advanced Studies, Shimla. (Former President of Indian Sociological Society) & (Former Vice Chancellor, Shivaji University, Kolhapur, Maharashtra)	--	--
2010-11	Dr. D.N. Dhanagare, National Fellow of Advanced Studies, Shimla. (Former President of Indian Sociological Society) & (Former Vice Chancellor, Shivaji University, Kolhapur, Maharashtra)	--	--

13. Percentage of classes taken by temporary faculty – programme-wise information

S. N.	Year	No. of CHB	Percentage of Classes taken by Temporary Faculty
1	2014-15	07	55.17
2	2013-14	07	55.17
3	2012-13	07	55.17
4	2011-12	08	55.17
5	2010-11	05	55.17



## 14. Programme-wise Student Teacher Ratio

S. N.	Year	Student Teacher Ratio
1	2014-15	1:7
2	2013-14	1:6
3	2012-13	1:7
4	2011-12	1:8
5	2010-11	1:6

## 15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual :

Nil

## 16. Research thrust areas as recognized by major funding agencies

➤ Tribal and Peasant Studies

## 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

S. N.	Name of Faculty (PI/Co-PI)	Title of Project	Funding Agency	Total Grants Sanctioned	Status National/International	Duration & Year of Sanction	Ongoing/Completed
01	Dr. K. B. Nayak	Poverty & Starvation Deaths in Melghat	UGC, New Delhi	Rs.4,38,000/-	National	3 Years (2010-11)	Completed

## 18. Inter-institutional collaborative projects and associated grants received

a) National collaboration

b) International collaboration:

Nil

## 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. Nil

## 20. Research facility / centre with

- LCD-03
- LED-01
- OHP-02
- Computers-06
- Video Camera- 02 (01 for MRP UGC)

21. Special research laboratories sponsored by / created by industry or corporate bodies  
Nil

22. Publications:

**22.1 Research Articles/Publication:**

S. N.	Name of Authors	Title of Paper	Name of the Journal and Vol. No., Year, Page No.	Status National/ International	ISSN/ISBN No of Journal	Impact Factor	h-Index	Citation Index	Listed in International Database
2014- 2015									
01	Dr. K.U. Raut	Urbanization & Growth of Migration	An International Register Journal; Vol-XIII-12	International	0973-1628				
2013-14									
01	Dr. K. B. Nayak	Globalization As Old Wine in a New Bottle	SrujanPrabhat Vol-II; Issue-2	National	ISSN: 2249-1171; June, 2013				
02	Dr. K. U. Raut	Socio-Economic Problems of Workers in Unorganized Sector	Samaj Shastra Sansodhan Patrika, Vol-I; Issue-3	State	ISSN: 13-978-81-925424-2-3				
2012-13									
01	Dr. K. B. Nayak	Nature and Functioning of NGOs in Contemporary India	SrujanPrabhat Vol-II; Issue-2	National	ISSN: 2249-1171; June, 2012				
02	Dr. K. U. Raut	A Study of Below Poverty Line and Family Structure	National Journal of Resurrection Vol-I; Issue-1	National	ISSN: 2278-0319				
03	Dr. K. U. Raut	Poverty & Urban Community	National Journal of Social and	National	ISSN: 0973-3914				

		y	Life Science; Vol-XII;						
2011-12									
01	Dr. K.U. Raut	Problems of Slum Area in Nagpur City	Journal of Arts, Management & Social Science	National	0975-4083				
02	Dr. K.U. Raut	Child Labour in Vidharbha	Indian Stream Research Journal; Vol-I; Issue-3	National	2230-7850				
03	Dr. K.U. Raut	Farmers' Suicide in Vidarbha	Journal of Golden Research Thought; Vo-I; Issue-II	National	2231-5063				
04	Dr. K.U. Raut	Impact of Globalization on Socio-Education in Urban Area	Journal of Dyanajagat; Vol-I; Issue-3-4	National	0976-8483				

## 22.2 Books Written/ Edited:

S. N.	Name of Authors	Title of Book	Name of Publisher	ISSN/IS BN No.	No. of Pages	Acted as (Editor/Author)
2014-15						
1	Dr. K. B. Nayak	The Melghat Syndrome (An Interdisciplinary Integrated Approach to Tribal Development)	Vista International Publishing House, Delhi. Volume-I	ISBN-978-93-83905-12-a	Vol-I:1-350	Author
2	Dr. K. B. Nayak	The Melghat Syndrome (An Interdisciplinary Integrated Approach to Tribal Development)	Vista International Publishing House, Delhi. Volume- II	ISBN-978-93-83905-12-b	Vol-II :351-713	Author
2013-14						
01	Dr. K.U. Raut	Farmers' Suicide in Maharastra (in Marathi)	AmanPublication, Amravati	978-81-907545-9-3	1-304	Editor
2010-11						
01	Dr. K.U. Raut	PardhiJamaat – Problems and Changes (in Marathi)	Gaurva Publication, Amravati		1-106	Author

**22.3 Monographs/ Chapters in Book/s Written/Edited:**

S. N.	Name of Authors	Title of Book	Title of Chapter added	Name of Publisher	ISSN/IS BN No.	Page No.	Contributed As (Editor/Author)
2014-15							
01	Dr. K. B. Nayak	Sustainable Development (Local Issues and Global Agendas) Edited By- Dr. R.B. Patil	NGOs' Movement in Contemporary India	Rawat Publications: Jaipur/New Delhi.	ISBN: 978-81-316-0623-0	321-347	Chapter in Edited Book
02	Dr. K. U. Raut	Dr. Babasaheb Ambedkar's Social Movement (in Marathi) Edited by Dr. Narayan Kamble	Dr. Ambedkar's Socio-Educational Thought	Chinmaya Publications: Aurangabad	ISBN:	321-347	Chapter in Edited Book
2013-14							
01	Dr. K. U. Raut	Globalization Edited By Dr. Narayan Kamble	Impact of Globalization on the Scheduled Castes	Chinmaya Publications: Aurangabad	978-93-81948-6-1	201-210	
2011-12							
01	Dr. K. U. Raut	Mahatma Gandhi's Thought Edited By Dr. Sanjay Chauhan	Peaceful Thought of Mahatma Gandhi	Nirmal Publications: Nanded	978-81-828716-6	63-68	
02	Dr. K. U. Raut	Buddha's Thought Edited By Dr. Sanjay Chauhan	Dhammakranti and Socio-Economic Situation	Nirmal Publications: Nanded	978-81-8287-166-2	241-248	
2010-11							
01	Dr. K. U. Raut	Gandian Thought Edited By Dr. Sanjay Chauhan	Rural Development and Gandhin Thought	Nirmal Publications, Nanded	978-81-8287-095-6	434-442	

**22.4 Publications in Conference/Seminar Proceedings:**

S. N.	Name of Authors	Title of Paper	Name of the Conference/Seminar/Workshop	Status National/International	ISSN/ISBN No (if any)	Name of Organizing Agency	Duration and Date	Volume and Page No. of Proceeding
2014-15								
01	Dr. K. U. Raut	Leadership of Mahatma Gandhi	Two Day International Conference on "Significance of Mahatma Gandhiji's Methodology in 21 <sup>st</sup> Century	UGC Sponsored International	ISSN:	New Arts College, Wardha, Maharashtra	30-31 January 2014	PP-419-423

2013-14								
01	Dr. K. U. Raut	Dr. B.R. Ambedkar's Dhammakranti in 21 <sup>st</sup> Century	Two Day International Conference on "Theories or Ideology in Human Rights and Dr. Babasaheb Ambedkar's Thought"	UGC Sponsored International	ISSN: 978-93-82588-06-1	Ramkrishna Mahavidyalaya, Darapur, Amravati, Maharashtra	11-12 January 2013	PP-81-83
02	Dr. K. U. Raut	Dr. B.R. Ambedkar's Movements	Two Day International Conference on "Dr. Babasaheb Ambedkar's Human Rights"	UGC Sponsored International	ISSN: 978-81-925424-1-6	Takshyashila Mahavidyalaya, Amravati, Maharashtra	26-27, November 2013	PP-357-359
2012-13								
01	Dr. K. B. Nayak	Social Background of Women's Role Towards Environmental Development : Some Critical View Points of Eco-Feminism	Interdisciplinary National Conference "Human Rights : Implications & Complications"	UGC Sponsored; National	ISSN: 978-81-926241-0-5	Seth Kesarima IPorwal College, Nagpur, Maharashtra & Akhila Bharatiya Itihasa Sanstha, New Delhi.	29, Dec. 2012	513-521
02	Dr. K. U. Raut	Dr. Babasaheb Ambedkar's Views on Higher Education	Two Day National Interdisciplinary Conference "Equity, Social Justice and Women Empowerment"	National	ISSN: 987-81-925424-0-9	Dr. Ambedkar Teachers' Welfare Association, Nagpur, Maharashtra	10-11 October 2012	PP-175-178
03	Dr. K. U. Raut	Mahatma Gandhiji's Vision Related to Rural Development	Two Day International Conference on "Relevance of Dr. Babasaheb Ambedkar's, Mahatma Gandhiji's and Pandit Nehru's Ideology in the Present Scenario"	UGC Sponsored International	ISSN: 978-93-82414-13-1	Shivaji College; Akola, Maharashtra	20-21, October 2012	PP-334-336

04	Dr. K. U. Raut	Mahatma Gandhiji's Thought Related to Non-Violence	Two Day National Seminar on "Gandhijan Ideology – Past, Present and Future	UGC Sponsored International	ISSN: 978-81-923351-1-5	Gandhian Study Centre, HVPM, Amravati Maharashtra	24-25, February 2012	PP-167-172
2011-12								
01	Dr. K. B. Nayak	Questions of Human Rights in Melghat	Two Day International Interdisciplinary Conference "Human Rights : Implications & Complications	UGC Sponsored International	ISSN: 978-81-89839-56-7	Dept. of Sociology, Takshashila Mahavidyalaya, Amravati, Maharashtra	16-17 March 2012	C: 92-95
02	Dr. K. U. Raut	Role of Women Empowerment	Two Day International Interdisciplinary Conference "Women Empowerment	UGC Sponsored International	ISSN: 978-81-922414-0-1	Womens Study Centre, Ramkrishna Mahavidyalaya, Darapur Amravati, Maharashtra	20-21 March 2012	Vol-2; PP-328-336
03	Dr. K. U. Raut	Reservation Policy and Present Situation	Two Day National Seminar on "Buddhism and Dr. Ambedkar's Conversation to Buddhism and The 21 <sup>st</sup> Century	UGC Sponsored National	ISSN: 13-978-81-321414-4-0	Department of Philosophy; Dhanwate College; Nagpur, Maharashtra	09-10 March 2012	Vol-1; PP-168-174
2010-11								
01	Dr. K. U. Raut	Buddhism and Democratic Value	Two Day International Interdisciplinary Conference "Buddhism and Democratic Value	UGC Sponsored International	ISSN: 0977-0278	Buddhist Study Centre, Ramkrishna Mahavidyalaya, Darapur Amravati, Maharashtra	11-12 March 2011	Vol-1

23. Details of patents and income generated  
Nil
24. Areas of consultancy and income generated  
Nil
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad  
Nil
26. Faculty serving in

S. N.	Year	Name of the Faculty	National Committees/ International Committees/ Editorial Boards/ Any Other (specify)	Organization	Acted as Member / Chairman/ Secretary/ Others (specify)
1	2014-15	Dr. K.U. Raut	Editorial Board of Marathi Samaj Shastra Patrikaa	Marathi Samaj Shastra Parishad	Member
2	2013-14	Dr. K.U. Raut	Editorial Board of Marathi Samaj Shastra Patrikaa	Marathi Samaj Shastra Parishad	Member

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).
- Dr. K. B. Nayak & Dr. K. U. Raut worked as Co-ordinator of Dr. Ambedkar Studies Centre & Buddhist Studies Centre, respectively of SGB Amravati University, during last Five Years.
  - Dr. K. B. Nayak & Dr. K. U. Raut worked as Co-ordinator of Refresher Courses organized by ASC of SGB Amravati University, during last Five Years.
28. Student projects
- percentage of students who have done in-house projects including inter-departmental projects : Nil
  - percentage of students doing projects in collaboration with other universities / industry / institute : Nil
29. Awards / recognitions received at the national and international level by
- Faculty
  - Doctoral / post doctoral fellows
  - Students

S. N.	Year	Name of the Faculty <sup>1</sup> /Doctoral <sup>2</sup> / post Doctoral Fellow <sup>3</sup> /Student <sup>4</sup>	Award / Recognition	Conferring Organization	Level (National/International)
1	2012-13	Dr. K.U. Raut	Awarded with Ph.D	SRTM Nanded University, Nanded.	National

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

S. N.	Name of the Conference/Seminar/Workshop	Status National/ International	Name of Chairman/Organizing Secretary/ Convenor	Funding Agency with Funds (if any)	Collaborators (if any)	Duration, Date and Venue
2014-15						
01	Special Guidance for Ph. D Students in the Faculty of Social Sciences	Regional	Dr. K.B. Nayak	Under Extension Activity of UGC, New Delhi	Nil	22 <sup>nd</sup> January 2015
2012-13						
01	Workshop for Ph. D Students in the Faculty of Social Sciences	Regional	Dr. K.B. Nayak	Under Innovative Programme of the UGC, New Delhi	Nil	10th January 2013

31. Code of ethics for research followed by the departments

- Professional Ethics of Social Science Research Primarily i.e Commitment in the assigned work, “Value Neutrality” and Objectivity.

32. Student profile programme-wise:

Year	Admitted to First Year of the Course			Pass Percentage of Students (Total)	
	Boys	Girls	Total	Boys	Girls
2014-15	7	23	30	--	--
2013-14	12	11	23	22	60
2012-13	23	26	49	100	92
2011-12	15	27	42	23.53	76.42
2010-11	3	25	34	50	50

33. Diversity of students

Name of the Programme	Year	Percentage of students from the same university	Percentage of students from other universities within the State	Percentage of students from Universities outside the State	Percentage of students from other countries
M.A. (Sociology)	2014-15	95.00	5.00	00	00
	2013-14	73.91	26.09	00	00
	2012-13	85.71	14.29	00	00
	2011-12	71.43	28.57	00	00
	2010-11	94.12	5.88	00	00



34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

NET, JRF & SET – 03

S. N	Name of Students	Male/Female	NET/SET/JRF	Year
01	Shri. Prashant Bhagat	Male	NET	June 2011
02	Shri. Rahul Gajbhiye	Male	NET & JRF	June 2012
03	Ku. MamataMandale	Female	NET& JRF	June 2012
04	Shri. SuryadhanDeshmukh	Male	NET	Dec. 2012
05	Shri. Prashant Bhagat	Male	Rajiv Gandhi Fellowship	Feb.2013

35. Student progression

Student Progression	Percentage against enrolled
UG to PG	NA
PG to M. Phil.	Nil
PG to Ph.D.	2%
Ph.D.to Post Doctoral	Nil
Employed <ul style="list-style-type: none"> <li>▪ Campus Selection</li> <li>▪ Other than campus recruitment</li> </ul>	Yes
Entrepreneurs	Nil

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	
from other universities within the State	33.3
from universities from other States from	66.6
universities outside the country	

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

➤ Dr. K.U. Raut (2013-2014)

38. Present details of departmental infrastructural facilities with regard to :

a. Library	=	200 Books and 02 Journals
b. Internet facilities for staff and students	=	03
c. Total number of class rooms	=	02
d. Class rooms with ICT facility	=	02
e. Students' laboratories / Seminar & Library Hall	=	01
f. Research laboratories	=	Nil

## 39. List of doctoral, post-doctoral students and Research Associates :

## a) from the host institution/university

S. N.	Name	Doctoral/post-doctoral / Research Associate	Duration of Fellowship
1	Shri. Pradeep Ambhore;	Ph.D. Student - ongoing	
2	Shri Sagar Badge	Ph.D. Student - ongoing	
3	Shri. Prakash Tayade	Ph.D. Student - ongoing	
4	Shri. Sanju K. Reche	Ph.D. Student – ongoing	
5	Shri. J.S. Tomar	Ph.D. Student - ongoing	
6	Smt. RohiniDeshmukh	Ph.D. student -Submitted	
7	Smt. Sujata Naik	Ph.D. Student - ongoing	

## b) from other institutions/universities

S. N.	Name	Doctoral/post-doctoral / Research Associate	Duration of Fellowship
1	Mr. B.K. Tribhuwan	Ph.D. Student - ongoing	

## 40. Number of post graduate students getting financial assistance from the university.

Nil

## 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Nil

## 42. Does the department obtain feedback from

## a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

➤ Yes: the feed back is considered in staff meeting and then eveulated. Necessaru steps are taken for th improvement of teaching learning methods.

## b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

➤ Yes: Feedback are given positive response.

## c) Alumni and employers on the programmes offered and how does the department utilize the feedback?

➤ Yes: the feedback are considered and placed for curricum designing.

## 43. List the distinguished alumni of the department with their designation and address

- Dr. A.D. Chauhan, Dept. of Sociology, VidyaBharatiMahavidyalaya, Amravati.
- Dr.ShyamSomavanshi, Dept. of Sociology, BhatkuliMahavidyalaya, Amravati.
- Shri. Prakash Tayade, (PSI,Nagpur); Chikhaldara; Amravati.
- Shri. Sagar Badge, Lecturer, Arts and Commerce College, Jalgaon.
- Shri. Sanju K. Reche (Officer, Jalasinchan, Talegaon.
- Smt. Sujata Naik, Arts College ,Darvha, Yeotmal.

- Smt. DayaPande, Lecturer in Sociology, Bharatiya Mahavidyalay, Amravati.
  - Smt. Sunita Padar, Lecturer in Sociology, Vimalabai Deshmukh Mahavidyalay, Amravati.
  - Ku. Kiran Vilashrao Padole, Social Welfare Officer, Latur.
  - Shri. Nitin Nitnaware, Mantralay, Mumbai.
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.
- One Day Research Students Workshop 10<sup>th</sup> January 2013.
  - One Day Special Guidance for Research Students on 22<sup>nd</sup> January 2015.
  - P.G. Students Seminar for Four Papers every year.
  - Samaj Shastra Abhyas Mandal Programme every year.
45. List the teaching methods adopted by the faculty for different programmes.
- Interactive Teaching- Learning Method;
  - Audio-Video Documentary;
  - LCD/ OHP/ PPT Presentation.
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
- Through Informal Interview and Feedback
47. Highlight the participation of students and faculty in extension activities.
- Students participated in various programmes of Dr. Ambedkar Studies Centre under the guidance of Dr. K.B. Nayak
  - Students participated in various programmes of Buddhist Studies Centre under the guidance of Dr. K.U. Raut.
48. Give details of “beyond syllabus scholarly activities” of the department.
- Nil.
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.
- Nil
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- Prepared Two Volumes of Question Bank in Sociology.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.
- **Strengths:**  
Only One Department in the University under the Faculty of Social Sciences;
  - **Weaknesses:**  
Inadequate faculty.

➤ **Opportunities:**

Chances for a Centre Advanced Research and Extension Activities in the field of Social Sciences

➤ **Challenges:**

Challenges to initiate Employment oriented Professional PG and Diploma Courses in Applied Practicing Sociology with Semester Credit System.

52. Future plans of the department.

- To initiate Employment Oriented Professional PG and Diploma Courses in Applied Practicing Sociology with Semester / Credit System;
- To undertake Major/ Minor Research Projects by the Faculty;
- To establish one Regional (Western Vidharbha) Social Science Research Centre in the Department as a Proposal has already been submitted to the ICSSR, New Delhi during the period between 2010 and 2011.

## Evaluative Report of the Department

1. Name of the Department : **STATISTICS**
2. Year of establishment : 1990
3. Is the Department part of a School/Faculty of the university?  
NA
4. Names of programmes offered :

Level of the Programme	Name of the Programme	Duration	Intake capacity	Faculty
PG	M.Sc.(Statistics)	2 years	20	Science
Ph. D.	Ph. D. (Statistics)	Minimum 02 Years	08	Science

5. Interdisciplinary programmes and departments involved  
Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc.  
Nil
7. Details of programmes discontinued, if any, with reasons  
Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System  
Semester - Choice Based Credit System
9. Participation of the department in the courses offered by other departments  
Yes- As per the CBCS
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	Nil	Nil	01
Associate Professor	Nil	Nil	Nil
Assistant Professor	02	01	Nil
Other (Specify)	Nil	Nil	Nil

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

S. N.	Name	Qualification	Designation	Gender (M/F)	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 years
1	Dr. R. Singh	M.Sc. Ph. D	Professor	M	Inference	22	01(Ph. D)

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors  
Nil

13. Percentage of classes taken by temporary faculty – programme-wise information

S. N.	Year	No. of CHB	Percentage of Classes taken by Temporary Faculty
01	2014-15	1 <sup>st</sup> Sem.-07, 2 <sup>nd</sup> Sem. - 07	79
02	2013-14	1 <sup>st</sup> Sem.-08, 2 <sup>nd</sup> Sem. - 07	79
03	2012-13	1 <sup>st</sup> Sem.-06, 2 <sup>nd</sup> Sem. - 05	79
04	2011-12	1 <sup>st</sup> Sem.-07, 2 <sup>nd</sup> Sem. - 07	79
05	2010-11	1 <sup>st</sup> Sem.-07, 2 <sup>nd</sup> Sem. - 07	79

14. Programme-wise Student Teacher Ratio

S. N.	Year	Student Teacher Ratio
1	2014-15	27 : 01
2	2013-14	13 : 01
3	2012-13	12 : 01
4	2011-12	09 : 01
5	2010-11	08 : 01

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Sr. No.	Name of the Post	No. of Sanctioned Posts	No. of Filled Posts	No. of Vacant Posts
01	Laboratory Technician	01	01	00
02	Laboratory Attendant	01	01	00

16. Research thrust areas as recognized by major funding agencies

➤ Interference

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

S. N.	Name of Faculty (PI/Co-PI)	Title of Project	Funding Agency	Total Grants Sanctioned	Status National/International	Duration & Year of Sanction	Ongoing/Completed
01	Dr. R. SINGH	Characterization of some software reliability growth model and estimation of Parameters	UGC	593300/-	National	03 years (2010-11)	Completed

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration                      b) International collaboration:  
Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Nil

20. Research facility / centre with

Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies

Nil

22. Publications:

- 22.1 Research Articles/Publication:

S. N.	Name of Authors	Title of Paper	Name of the Journal and Vol. No., Year, Page No.	Status National/International	ISSN/ SBN No of Journal	Impact Factor( if any)	h-Index (if any)	Citation Index (if any)	Listed in International Database (if any)
01	Dr. R. SINGH	Estimation of Parameters of Poisson type Exponential class model using Non informative and Gamma Priors.	Journal of Reliability and statistical studies, V.6(2), 2013,91-103.	National	0974-8024	5.35	35	---	Yes

- 22.2 Books Written/ Edited:  
Nil
- 22.3 Monographs/ Chapters in Book/s Written/Edited:  
Nil
- 22.4 Publications in Conference/Seminar Proceedings:  
Nil
23. Details of patents and income generated  
Nil
24. Areas of consultancy and income generated  
Nil
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad  
Nil
26. Faculty serving in  
a) National committees b) International committees c) Editorial Boards d) any other (please specify)  
Nil
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).  
➤ Faculties are motivated to attend Refresher/ Orientation/ Workshops/ Specialized Training Programmes/ Industrial Interaction to achieve excellence in teaching and research.
28. Student projects
- percentage of students who have done in-house projects including inter-departmental projects - 100
  - percentage of students doing projects in collaboration with other universities / industry / institute - Nil
29. Awards / recognitions received at the national and international level by
- Faculty - Nil
  - Doctoral / Post Doctoral Fellows - Nil
  - Students - Nil
30. Seminars/ Conferences/Workshops organized and the source of funding (national international) with details of outstanding participants, if any.  
Nil
31. Code of ethics for research followed by the departments  
Nil



## 32. Student profile programme-wise:

Year	Admitted to First Year of the Course			Pass Percentage of Students	
	Boys	Girls	Total	Boys	Girls
2014-15	14	6	20	--	--
2013-14	8	5	13	50	0
2012-13	3	4	7	0	75
2011-12	5	4	9	0	100
2010-11	2	4	6	50	75

## 33. Diversity of students

Name of the Programme	Year	Percentage of students from the same university	Percentage of students from other universities within the State	Percentage of students from Universities outside the State	Percentage of students from other countries
M.Sc. (Statistics)	2014-15	73.33	10	16.17	0
	2013-14	92.31	7.69	00	00
	2012-13	100	00	00	00
	2011-12	77.78	22.22	00	00
	2010-11	100	00	00	00

## 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Nil

## 35. Student progression

Student Progression	Percentage against enrolled
UG to PG	NA
PG to M. Phil.	NA
PG to Ph.D.	1.5%
Ph.D. to Post Doctoral	NA
Employed	
▪ Campus Selection	0
▪ Other than campus recruitment	10-20%
Entrepreneurs	NA

## 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	00
from other universities within the State	00
from universities from other States from	01
universities outside the country	00

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

38. Present details of departmental infrastructural facilities with regard to :

a	Library	-	01
b	Internet facilities for staff and students	-	Yes
c	Total number of class rooms	-	02
d	Class rooms with ICT facility	-	Nil
e	Students' laboratories	-	01
f	Research laboratories	-	01

39. List of doctoral, post-doctoral students and Research Associates :

- a) from the host institution/university

S. N.	Name	Doctoral/post-doctoral / Research Associate	Duration of Fellowship
01	Ku. Shaziya Farah	Doctoral	03 years

- b) from other institutions/universities:

Nil

40. Number of post graduate students getting financial assistance from the university.

Nil

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

N. A.

42. Does the department obtain feedback from

- a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? – Nil
- b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? – Nil
- c) Alumni and employers on the programmes offered and how does the department utilize the feedback? – Nil

43. List the distinguished alumni of the department with their designation and address

S. N.	Name of Student	Designation / Address
1	Dr. Pritee Singh	Asst. Professor
2	Dr. N. W. Andure	Asst. Professor
3	Dr. Pajankar	NCERT, Delhi
4	Y. S. Patil	Deputy Commissioner ( Census) Mumbai
5	Uday Tare	Ratnakar Bank, Kolhapur
6	Akash Warhade	Cognizent, Mumbai
7	Prakash Tomar	Statistician, Akola
8	Rames Lonar	Ratnakar Bank, Kolhapur
9	Sh. P. K. Deshmukh	Br. Manager LIC , Pune
10	Sandeep Kodape	Statistical Officer , Yeotmal

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Nil

45. List the teaching methods adopted by the faculty for different programmes.

- Class Room Teaching – Lectures taken by using PPT.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

- Through students Feedback via discussions

47. Highlight the participation of students and faculty in extension activities. –

Nil

48. Give details of “beyond syllabus scholarly activities” of the department.

- Keeping news Magazines in Library

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. –

Nil

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Nil

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

➤ **Strength :**

- Sufficient infrastructure
- Well equipped laboratory with Computers & Software (SPSS & Matlab)
- On going as well as completed MRP funded by DST & UGC, New Delhi
- High rate of placement

➤ **Weaknesses**

- Inadequate staff

➤ **Opportunities**

**A : Department:**

- Start of P.G. Diploma
- Start of certificate/ bridge course.
- Under taking New MRP.
- Self financed M. Sc. (industrial Stat.)

**B: Students:**

- Placement in Industry
- Consultant of Data analysis
- Research & Teaching

52. **Future plans** of the department.

- Start of P.G. Diploma
- Start of certificate/ bridge course.
- Under taking New MRP.
- Self financed M. Sc. (industrial Stat.)
- International Conference ( Proposed in 2017)

## Evaluative Report of the Department

1. Name of the Department : **Mathematics**

2. Year of establishment : 1990.

3. Is the Department part of a School/Faculty of the university?  
NA

4. Names of programmes offered :

Level of the Programme	Name of the Programme	Duration	Intake capacity	Faculty
PG	M.Sc.(Mathematics)	2 years	30	Science
Doctoral	Ph.D	--	16	Science

5. Interdisciplinary programmes and departments involved  
Nil

6. Courses in collaboration with other universities, industries, foreign institutions, etc.  
Nil

7. Details of programmes discontinued, if any, with reasons  
Nil

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System  
Semester - Choice Based Credit System

9. Participation of the department in the courses offered by other departments  
Yes- As per the CBCS

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	-	-	02
Associate Professor	01	01	-
Assistant Professor	01	01	-
Other (Specify)	-	-	-

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

S. N.	Name	Qualification	Designation	Gender (M/F)	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 years
1	Dr. K.S. Adhav	M.Sc, M.Phil., Ph.D., D.Sc.	Professor and Head	M	Relativity	41	Ph.D.: 19
2	Dr. S.D. Katore	M.Sc, M.Phil., Ph.D.	Professor	M	Relativity	28	Ph.D.: 08 M.Phil: 03

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors  
Nil

13. Percentage of classes taken by temporary faculty – programme-wise information

S. N.	Year	No. of CHB	Percentage of Classes taken by Temporary Faculty
1	2014-15	06	60
2	2013-14	06	60
3	2012-13	06	60
4	2011-12	06	60
5	2010-11	06	60

14. Programme-wise Student Teacher Ratio

S. N.	Year	Student Teacher Ratio
1	2014-15 (upto 28 Feb 2015)	30:1
2	2013-14	30:1
3	2012-13	30:1
4	2011-12	30:1
5	2010-11	30:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Nil

16. Research thrust areas as recognized by major funding agencies

➤ Theory of relativity

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

S. N.	Name of Faculty (PI/Co-PI)	Title of Project	Funding Agency	Total Grants Sanctioned	Status National/International	Duration	Ongoing/Completed
2012-13							
1	i) Dr. K.S. Adhav (PI) ii) Dr. S.D. Katore (Co-PI)	Study of cosmological models of the universe theories of gravitation F. No. 41-770/2012 (SR) dt 17/07/2012	UGC, New Delhi	10,45,800/-	National	3 years	Ongoing
2011-12							
1	i) Dr. S.D. Katore (PI) ii) Dr. K.S. Adhav (Co-PI)	Study of cosmological models in scalar tensor theories of gravitation F.No.39-933/10(SR) dt 11/2011 (D.9105-9106)	UGC, New Delhi	1,55,000/-	National	2 years	Ongoing

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration                      b) International collaboration:  
Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.  
Nil

20. Research facility / centre with

- Research Literature is available
- Inter Net facility is available
- Guiding Supervisors are available

21. Special research laboratories sponsored by / created by industry or corporate bodies  
Nil

## 22. Publications:

## 22.1 Research Articles/Publication:

S. N.	Name of Authors	Title of Paper	Name of the Journal and Vol. No., Year, Page No.	Status National / International	ISSN/ I SBN No of Journal	Impact Factor	h-Index	Citation Index	Listed in International Database
2014-2015									
1	K.S. Adhav	Bianchi Type-III Cosmological Model with Quadratic Equation of State.	DIOS PORTOS, PORTUGAL, 2565-191	International					
2	K.S. Adhav	Bianchi Type VI <sub>0</sub> Cosmological model of the Universe with Hybrid Expansion law	AUSTRIA.	International					
3	K.S. Adhav	Anisotropic Cosmological Models in f(R) Gravity with Quark & Strange Quark Matter and Special Form of Deceleration Parameter.	The African Review of Physics, ITALY. 04 Feb, 2015.	International	ISSN : 2223-6589				Yes
4	K.S. Adhav	Bianchi Type-I Cosmological Model with Quadratic Equation of State.	Astrophysics & Space Science (NETHERLANDS) Journal No. 10509 , Springer Netherlands. Accepted on 05 Jan, 2015.	International	ISSN: 1572-946X ,				Yes
5	K.S. Adhav	Plane Symmetric Vacuum Cosmological Model with a Special Form of Deceleration Parameter in f(R) Theory of Gravity.	Physical Science International Journal, UK. Vol.5, No.1, pp.74-80 , Jan, 2015. Article no.: PSIJ.2015.008	International	ISSN: 2348-0130				Yes
6	K.S. Adhav	Kantowski-Sachs Cosmological Model with Quark and Strange Quark Matter in f(R) Theory of Gravitation.	Open Physics, ITALY Vol.13, No.1, pp.88-93, Jan, 2015.	International	ISSN: 2391-5471 [formerly Central European Journal of Physics] Journal no. 10773.				Yes



7	K.S.Adhav	Magnetized Anisotropic Dark Energy Bianchi Type III Cosmological Models in Brans-Dicke Theory of Gravitation.	International Journal of Advanced Applied Physics Research. Vol.1, No.2, pp. 30-38, Dec, 2014. DOI:http://dx.doi.org/10.15379/2408-977X.2014.01.02.5	International	ISSN : 2408-977X				Yes
8	K.S.Adhav	Interacting Two Fluid Viscous Dark Energy Cosmological Models In Bianchi Type-II Universe.	International Journal of Advanced Applied Physics Research. Vol.1, No.2, pp. 22-29, Dec, 2014. DOI:http://dx.doi.org/10.15379/2408-977X.2014.01.02.4	International	ISSN : 2408-977X				Yes
9	K.S.Adhav	Plane Symmetric Cosmological Model with Interacting Dark Matter and Holographic Dark Energy Using Exponential Volumetric Expansion.	European International Journal of Science & Technology. UK. Vol.3, No.9, PP.123-130, Dec, 2014	International	ISSN:2304-9693				Yes
10	K.S.Adhav	Plane Symmetric Cosmological Model with Interacting Dark Matter and Holographic Dark Energy Using Power-Law Volumetric Expansion.	International Journal of Advanced Research in Physical Science. Vol.1, No.8, pp.28-34, Dec, 2014	International	ISSN :2349-7882				Yes
11	K.S.Adhav	Plane Symmetric Cosmological Model with Interacting Dark Matter and Holographic Dark Energy Using Special Form of Deceleration Parameter.	International Journal of Innovation in Science and Mathematics. Vol.2, No.6, Nov, 2014	International	ISSN : 2347-9051				Yes
12	K.S.Adhav	Kantowski-Sachs Cosmological Model of the Universe with Hybrid Expansion Law.	American Journal of MATHEMATICS AND MATHEMATICAL SCIENCES. Vol. 3 , No: 2 ( July-Dec 2014).	International	ISSN: 2278-0874				Yes

13	K.S.Adhav	Interacting Dark Matter and Holographic Dark Energy In An Anisotropic Universe.	Astrophysics & Space Science (NETHERLANDS) Vol.353, No.1, pp.249-257, Sept, 2014. DOI:10.1007/s10509-014-2015-7	International	ISSN: 1572-946X (electronic version), Journal No. 10509, Springer Netherlands.				Yes
14	K.S.Adhav	Bianchi Type-III Cosmological Model with Linear Equation of State.	Bulgarian Journal of Physics. BULGARIA. Vol.41, No.3, pp.187-193, June 2014.	International	ISSN:1310-0157				Yes
15	K.S.Adhav	Bianchi Type-II Universe with Linear Equation of State.	Central European Journal of Physics, ITALY Vol.12, No.8, pp.597-602, June, 2014. DOI:10.2478/s11534-014-0480-9	International	ISSN: 1644-3608 (electronic version), Journal No. 10773.				Yes
16	K.S.Adhav	Oscillating Universe: Big Bang to Big Crunch with Linear Equation of State.	The African Review of Physics, ITALY. Vol.9, No.3, pp.17-20, June 2014.	International	ISSN : 2223-6589				Yes
17	S.D.Katore	Bianchi Type II, VIII, IX String Cosmological Models in f(R) Gravity	International Journal of Theoretical Physics DOI: 10.1007/s10773-014-2504	International	ISSN: 1572-9575	1.186			Yes
18	S.D. Katore, A.Y. Shaikh	Strange Quark Matter Coupled to String Cloud in Lyra Geometry	Astrophysics and Space Science Accepted Manuscript no. ASTR-D 15-00036	International	ISSN: 1572-946X	2.401			Yes
19	S.D. Katore, S.P. Hatkar	Hypersurface-Homogeneous Space Time with Anisotropic Dark Energy in Scalar Tensor Theory of Gravitation	Astrophysics and Space Science Accepted Manuscript no. ASTR-D 14-000915R1	International	ISSN: 1572-946X	2.401			Yes

20	S.D.Katore, S.P.Hatkar	Kaluza Klein Universe with Magnetized Anisotropic Dark Energy in General Relativity and Lyra Manifold	New Astronomy Vol.34,pp-172-177,2015	International	ISSN: 1384-1076	1.244			Yes
21	S.D.Katore, M.M.Sanche ti, N.K.Sarkate	Accelerating Magnetized Anisotropic Dark Energy Cosmological Models in Scalar Tensor Theory of Gravitation	International J.Math.Sci and Eng.appl.Vol.8 No.V,pp9-25 , 2014	International	ISSN:0 973-9424	Still Com putin g			Yes
22	S.D.Katore, M.M.Sanche ti, S.P.Hatkar, N.K.Sarkate.	Hypersurface Homogeneous Space Time with Anisotropic Dark Energy in Brans Dicke Theory of Gravitation	Comm.Theor.Phy s. Vol.62 No.5,pp-768-774,2014	International	ISSN:0 253-6102	1.049			Yes
23	S.D.Katore, M.M.Sanche ti, S.P.Hatkar	Quark Matter Coupled to Domain Walls in Bianchi types II,VIII and IX Universe	Pramana J.Phys. Vol.83 No.4,pp-619-630,2014	International	ISSN:0 304-4289	0.720			Yes
24	S.D.Katore, A.Y.Shaikh	Plane Symmetric Universe with Cosmic String and Bulk Viscosity in Scalar Tensor Theory of Gravitation	Romanian J.Phys. Vol.59, No.7-8,pp-715-723, 2014	International	ISSN:1 221-146x	0.745			Yes
25	S.D.Katore, M.M.Sanche ti, N.K.Sarkate,	Kaluza Klein Anisotropic Magnetized Dark Energy Cosmological Models in Brans Dicke Theory of Gravitation	Astrophysics Vol.57, No.3,pp-417-430, 2014 .	International	ISSN:0 571-7256	0.556			Yes
26	S.D.Katore, A.Y.Shaikh, S.A.Baskar	Anisotropic Dark Energy Cosmological Models from Early Deceleration to Late Time Acceleration in Lyra Geometry	Bul.J.Phys. Vol.41, pp-34-59,2014	International		Still Com putin g			Yes
27	S.D.Katore, M.M.Sanche ti, S.P.Hatkar	Magnetized Anisotropic Dark Energy Cosmological Models in Scale Covariant Theory of Gravitation	Int.J.Modern Phys.D Vol.23,No.7,1450 065, 2014.	International	ISSN:0 218-2718	1.42			Yes
28	V.B.Raut, K.S.Adhav, S.D.Katore, N.K.Sarkate	Magnetized Anisotropic Dark Energy Bianchi Type III Cosmological Models in Brans Dicke Theory of Gravitation	Int.J.Advanced applied phy.Research Vol.1 pp-30-38,2014	International	eISSN: 2408-977x/1 4	Still Com putin g			Yes

29	V.B.Raut, K.S.Adhav, S.D.Katore, N.K.Sarkate	Interacting Two Fluid Viscous Dark Energy Cosmological Models in Bianchi type II Universe	Int.J.Advanced applied phy.Research Vol.1 pp-22- 29,2014	Internati onal	eISSN: 2408- 977x/1 4	Still Com putin g			Yes
2013-14									
1	K.S. Adhav	Anisotropic Kantowski- Sachs Cosmological Model in f(R) Theory of Gravity with Volumetric Exponential Expansion Law.	International Journal of Science and Advanced Technology Volume 4, No 5, pp.06-10, May 2014.	Internati onal	ISSN: 2221- 8386				Yes
2	K.S. Adhav	Vacuum Solutions of Bianchi Type-I and V Models in f(R) Gravity with a Special Form of Deceleration Parameter.	International Journal of Science and Advanced Technology. Vol. 4, No 3, pp.23-33, March 2014.	Internati onal	ISSN: 2221- 8386				Yes
3	K.S. Adhav	Accelerating Bianchi type-VIh Cosmological Model with Variable Equation of State Parameter.	International Journal of Technology, Kulu-Manali, H.P.INDIA. Vol.4, No.1, , pp.27-31, Jan-Jun 2014	Internati onal	ISSN:2 231- 3907				Yes
4	K.S. Adhav	Bianchi Type-VIII Universe with Linear Equation of State.	International Journal of Science & Technology, NETHERLAND Journal No. 10773 , Springer US. Vol.3, No.10, Oct 2013.	Internati onal	ISSN: 2221- 8386,				Yes
5	K.S. Adhav	Magnetized Bianchi Type-III Cosmological Model with Linear Equation of State.	International Journal of Mathematical Archive (IJMA), Vol.4, No.8, pp.86-91, Aug 2013.	Internati onal	ISSN:2 229- 5046				Yes
6	K.S. Adhav	Bianchi Type-II, VIII & IX Universe filled with Wet Dark Fluid in f(R,T) Theory of Gravity.	International Journal of Theoretical and Mathematical Physics. Vol.3, No.5, pp.139-146, July 2013.	Internati onal	ISSN: 2167- 6852 <a href="http://journal.sapub.org/ijtmp">http://journal.sapub.org/ijtmp</a>				Yes

7	K.S. Adhav	Bianchi Type- $VI_0$ Universe with Anisotropic Dark Energy in Lyra Geometry.	American Journal of Mathematics and Mathematical Sciences. Vol.2, No.2, pp.91-99, July-Dec, 2013.	International	ISSN: 2278-0874				Yes
8	K.S. Adhav	LRS Bianchi Type-I Cosmological Model with Anisotropic Dark Energy and Special Form of Deceleration Parameter.	Journal of Modern Physics, Scientific Research Publishing Inc., P. O. BOX 54821, Irvine CA 92619-4821, USA. Vol.4, No.8, Aug.2013.	International	ISSN Online: 2153-120X				Yes
9	K.S. Adhav	Bianchi Type-III Universe in $f(R)$ Theory of Gravity.	Indian Journal of Research in Mathematics, Vol.1, No.(1), pp.85-91 Jan-Mar 2013.	International	ISSN :1829-5256				Yes
10	S.D.Katore, M.M. Sancheti, S.P.Hatakr	Anisotropic Homogeneous – Hypersurface with Viscosity in $f(R)$ Gravity	International Journal of Mathematical Sciences and Engineering Applications Vol. 7 No. IV (July, 2013), pp. 391-402.	International	ISSN: 0973 - 9424	0.3	.		Yes
11	S.D.Katore, M.M. Sancheti, S.P.Hatkar, S.A.Baskar	Decelerating and Accelerating Bianchi type VI Vacuum Universe in $f(R)$ Gravity	International Journal of Mathematical Archive 4(9), 2013, 52-60.	International	ISSN: 2229-5046	Still Computing			Yes
12	R.S.Rane, S.D.Katore	FRW Cosmology for Decay Law with Time-varying $G$ , $\Lambda$ & $q$	Prespacetime Journal USA January 2014   Vol. 5   Issue 1   pp. 31-40	International	ISSN:2153-8301	Still Computing			Yes
2012-13									
1	K.S. Adhav	Bianchi Type-III Universe with Anisotropic Dark Energy and Special Form of Deceleration Parameter.	International Journal of Innovative Research in Science, Engineering & Technology . Vol.2, No.5. , pp.1656-1665, May 2013	International	ISSN: 2319 - 8753 <a href="http://www.ijirset.com/">http://www.ijirset.com/</a> Impact Factor:1.672				Yes

2	K.S.Adhav	Early Decelerating & Late Time Accelerating Anisotropic Cosmological Models with Dynamical Equation of State Parameter.	Astrophysics & Space Science (NETHERLANDS) Journal no. 10509, Springer Netherlands. Vol. 345, No.2, pp. 405-413, May 2013. DOI:10.1007/s10509-013-1399-0	International	ISSN: 1572-946X (electronic version),				Yes
3	K.S.Adhav	Kaluza-Klein Interacting Cosmic Fluids Cosmological Model.	Journal of Theoretical and Applied Physics. Vol.06, No.33, 22Nov2012 doi:10.1186/2251-7235-6-33	International	ISSN: 2251-7235 Springer, (NETHERLANDS).				Yes
4	K.S.Adhav	Kaluza-Klein Universe with Linearly Varying Deceleration Parameter.	Bulgarian Journal of Physics. Vol.39, No.3, pp.207-214, Sept 2012.	International	ISSN:1310-0157 BULGARIA.				Yes
5	K.S.Adhav	Anisotropic Dark Energy with Linearly Varying Deceleration Parameter in Kantowski-Sachs Universe.	Global Journal of Pure & Applied Science and Technology Vol.2, Issue.4, pp.65-77, July – August 2012.	International	ISSN:2249-7188				Yes
6	K.S.Adhav	LRS Bianchi Type-I Cosmological Model with Linearly Varying Deceleration Parameter.	The European Physical Journal – Plus, Bolzano, ITALY Journal No.13360. Vol. 126, No.12, pp. 122, Dec 2011. DOI: 10.1140/epjp/i2011-11122-9.	International	ISSN : 2190-5444				Yes
7	K.S.Adhav	Kaluza-Klein Inflationary Universe in General Relativity.	Prespacetime Journal Quantum Dream, Inc. P.O. Box 267, Stony Brook, NY 11790-0267, USA.	International	ISSN : 2153-8301				Yes

			Vol.02, No.11, pp 1828-1834, Dec 2011.						
8	K.S.Adhav	Bianchi Type-V Cosmological Model with Linearly Varying Deceleration Parameter.	International Journal of Mathematical Archive. Vol.02, No.11, pp.01-08, Dec 2011.	Intern ationa l	ISSN:222 9-5046				Yes
9	K.S.Adhav	LRS Bianchi Type-II Cosmological Models with Anisotropic Dark Energy.	Electronic Journal of Theoretical Physics. Vol.9, No.26, pp.1-12, Jan 2012.	Intern ationa l	ISSN :1729- 5254				Yes
10	K.S.Adhav	Kantowski-Sachs String Cosmological Model in f(R) Theory of Gravity.	Canadian Journal of Physics, CANADA Vol.90, No.2 , pp.119-123, Feb 2012. doi:10.1139/P11- 148	Intern ationa l	ISSN: 0008- 4204				Yes
11	K.S.Adhav	LRS Bianchi Type-I Cosmological Model in f(R,T) Theory of Gravity.	Astrophysics &Space Science (NETHERLAND S) Journal no. 10509, Springer , Netherlands. Vol.339, No.2, pp.365-369, Feb 2012. doi:10.1007/s105 09-011-0963-8	Intern ationa l	ISSN: 1572- 946X ,				Yes
12	K.S.Adhav	Kaluza-Klein Universe in f(R) Theory of Gravity.	International Journal of Mathematics & Computational Methods in Science & Technology. Ada Lovelace Publications, UK. Vol.02, No.02, pp. 40-52, Feb 2012	Intern ationa l	ISSN: 2249- 8915				Yes
13	K.S.Adhav	Statefinder Diagnostic for Variable Modified Chaplygin Gas in LRS Bianchi Type-I Universe.	Advances in Mathematical Physics, doi:10.1155/AMP Hindawi Publishing Corporation, New York, NY 10022, USA. Vol.2012, Article ID 714350, pp.1-	.Inter nation al	ISSN: 1687- 9139 (Online)				Yes

			11, July 2012. doi:10.1155/2012/ 714350						
14	K.S.Adhav	Bianchi Type-III Cosmic Strings Cosmological Model in $f(R)$ Theory of Gravity.	Bulgarian Journal of Physics. Vol.39, No.3, pp.197-206, Sept 2012	International	ISSN:1310-0157				Yes
15	S.D. Katore, A.Y. Shaikh	Bianchi Type V Dark Energy Model in Brans-Dicke Theory of Gravitation	Prespacetime USA, 3, pp. 763-771, 2013	International	ISSN: 2153-8301	Still Computing			Yes
16	S.D. Katore, A.Y. Shaikh, S.A. Bhaskar, G.B. Tayade	Higher Dimensional Bianchi Type I Universe with Wet Dark fluid in General Relativity	The African Review of Physics, 7, pp. 0035, 2012,	International	ISSN: 2223-6589	Still Computing			Yes
17	S.D. Katore, A.Y. Shaikh	Plane Symmetric Dark Energy Model in Brans-Dicke Theory of Gravitation	Bulgarian Journal of Physics, 39, pp. 241-247, 2012	International	ISSN: 1310-0157	Still Computing			Yes
18	S.D. Katore, A.Y. Shaikh, S.A.Bhaskar	Accelerating Bianchi Type VI <sub>0</sub> String cosmological models in Barber's Second Self Creation Theory	Sci.Revs. Chem. Commu., 2, pp. 463-468, 2012	International	ISSN: 2249-3352	Still Computing			Yes
19	S.D. Katore, J.L. Pawade, S.S. Dabhane	FRW Cosmological Model with Cosmic String in Scale Covariant Theory	Sci.Revs. Chem. Commu., 2, pp.458-462,2012	International	ISSN:2249-3352	Still Computing			Yes
20	S.D.Katore, S.H. Sheikh, G.B. Tayde	Higher Dimensional Bianchi Type VI <sub>0</sub> Universe with Perfect Fluid and Dark Energy	Sci.Revs. Chem. Commu., 2, pp.469-481,2012	International	ISSN:2249-3352	Still Computing			Yes
21	S.D. Katore, A.Y. Shaikh, M.M. Sancheti	Magnetized Dark Energy Model in Scalar Tensor Theory of Gravitation	International Journal of Basic and Applied Research	International	ISSN2249-3352	Still Computing			Yes
22	S.D. Katore, B.B. Chopade, S.H. Shekh	Bianchi Type VI <sub>0</sub> Magnetized Dark Energy Model in $f(R,T)$ Gravity	International Journal of Basic and Applied Research	International	ISSN2249-3352	Still Computing			Yes
21	S.D. Katore, A.Y. Shaikh	Kantowski-Sachs Dark Energy Model in $f(R,T)$ Gravity	Prespacetime USA, 3 pp.1087-1096, 2012	International	ISSN: 2153-8301	Still Computing			Yes
23	S.D. Katore	Einstein Rosen Universe with Magnetised Anisotropic Dark Energy	Bulgarian Journal of Physics, 39, pp.231-240, 2012	International	ISSN: 1310-0157	Still Computing			Yes



24	S.D. Katore, M.M. Sancheti, S.A. Bhaskar	Kaluza-Klein Cosmological Models for Perfect Fluid and Dark Energy	Bulgarian Journal of Physics, 40, pp.17-32, 2013	International	ISSN: 1310-0157	Still Computing			Yes
25	S.D. Katore, S. A. Bhaskar	Accelerating and Decelerating Higher Dimensional Plane Symmetric Cosmological Models with Perfect Fluid and Dark Energy	Prespacetime USA, 14, pp.161-185, 2013	International	ISSN: 2153-8301	Still Computing			Yes
26	S.D. Katore, A.Y. Shaikh, M.M. Sancheti	Magnetized Dark Energy Model in Scalar Tensor Theory of Gravitation	International Journal of Basic and Applied Research 2013	International	ISSN: 2249 - 3352.	Still Computing			Yes
27	S.D. Katore, B.B. Chopade, S.H. Shekh	Bianchi Type VIo Magnetised Dark Energy Model in f(R,T) Gravity	International Journal of Basic and Applied Research 2013	International	ISSN: 2249 - 3352	Still Computing			Yes
2011-12									
1	K.S.Adhav	Dynamics of Kantowski-Sachs universe with magnetized anisotropic Dark Energy	Astrophysics & Space Science (electronic version) , Journal no. 10509 , Springer Netherlands. Vol.337, No.1, pp.393-400, Jan 2012 DOI 10.1007/s10509-011-0826-3	International	(NETHERLANDS) ISSN: 1572-946X				Yes
2	K.S. Adhav	LRS Bianchi Type-V Universe in Creation-Field Cosmology .	Bulgarian Journal of Physics. BULGARIA. Vol.38, No.4 , pp.364-370, Dec 2011.	International	ISSN:1310-0157				Yes
3	K.S. Adhav	Interacting Cosmic Fluids in LRS Bianchi type-I Cosmological Models.	Bulgarian Journal of Physics. BULGARIA. Vol.38, No.4 , pp.371-379 , Dec 2011.	International	ISSN:1310-0157				Yes
4	K.S. Adhav	Bianchi type-I String Cosmological Model in Creation-Field Cosmology.	International Journal of Theoretical Physics, NETHERLANDS , Vol.50, No.9, pp.2720-2736 Sept 2011 DOI:	International	ISSN: 1572-9575 , Journal No. 10773 , Springer US.				Yes

			10.1007/s10773-011-0770-6						
5	K.S. Adhav	Higher Dimensional Bianchi Type-V Universe with Perfect Fluid and Dark Energy.	International Journal of Theoretical Physics, NETHERLANDS , Vol.50, No.8, pp. 2573-2581, Aug 2011.  DOI: 10.1007/s10773-011-0751-9	International	ISSN: 1572-9575 (electronic version), Journal no. 10773 , Springer US.				Yes
6	K.S. Adhav	Kantowski-Sachs Cosmological Models with Anisotropic Dark Energy.	Central European Journal of Physics, ITALY. Vol. 9, No.40, pp. 919-925, Aug 2011 DOI: 10.2478/s11534-011-0021-8	International	ISSN: 1644-3608 (electronic version), Journal no. 10773				Yes
7	K.S. Adhav	N-Dimensional Bianchi Type-V Universe in Creation-Field Cosmology .	Bulgarian Journal of Physics. BULGARIA. Vol.38, No.2, p.p.129-138 July 2011	International	ISSN:1310-0157				Yes
8	K.S. Adhav	Domain Wall Cosmology in Scalar-Tensor Theory for Kasner Type Metric.	Journal of Vectorial Relativity, GEORGETOWN University, Washington D.C. Vol 6, No.2, pp.96-101 , June 2011.	International	ISSN : 1856-6847				Yes
9	K.S. Adhav	Two-Fluid Cosmological Models in Bianchi Type –V Space-Time.	International Journal of Theoretical Physics, NETHERLANDS , Vol.50, No. 6 , pp.1846-1851, June 2011 DOI:10.1007/s10773-011-0699-9	International	ISSN: 1572-9575 (electronic version), Journal no. 10773 , Springer US.				Yes
10	K.S. Adhav	Statefinder Diagnostic for Modified Chaplygin Gas in Bianchi Type-V Universe.	The European Physical Journal – Plus, Bolzano, ITALY Vol.126, No.5,	International	ISSN : 2190-5444 Journal No.13360.				Yes

			pp.52, May 2011. DOI: 10.1140/epjp/i2011-11052-6						
11	K.S. Adhav	Statefinder Diagnostic for Variable Modified Chaplygin Gas in Bianchi Type-V Universe.	Astrophysics & Space Science (NETHERLANDS) (electronic version) , Journal no. 10509 , Springer Netherlands. Vol. 335, NO. 2, pp.611-617, July 2011. DOI: 10.1007/s10509-011-0773-z	International	ISSN: 1572-946X				Yes
12	K.S. Adhav	Statefinder Diagnostic for Binary mixture of Anisotropic Dark Energy and Perfect Fluid in Bianchi Type-III Universe.	Prespacetime Journal Quantum Dream, Inc. P.O. Box 267, Stony Brook, NY 11790-0267 USA Vol. 2 , Issue 9 , pp. 1353-1368, September 2011..	International	ISSN : 2153-8301				Yes
13	K.S. Adhav	Binary mixture of Anisotropic Dark Energy and Perfect Fluid in Kantowski-Sach Universe.	The European Physical Journal – Plus, Bolzano, ITALY Journal No.13360. Vol. 126, No.11, pp. 103, Nov 2011. DOI: 10.1140/epjp/i2011-11103-0	International	ISSN : 2190-5444				Yes
14	K.S. Adhav	LRS Bianchi Type-I Universe with Anisotropic Dark Energy in Lyra Geometry.	International Journal of Astronomy and Astrophysics. Scientific Research Publishing, USA. Vol.01, No.2 ,pp.204-209, Dec 2011. DOI:10.4236/ijaa.2011.14026 .	International	ISSN : 2161-4725				Yes

15	K.S.Adhav	Kaluza-Klein Cosmology with Polytropic Gas Dark Energy.	The European Physical Journal – Plus, Bolzano, ITALY Journal No.13360. Vol. 126, No.12, pp. 127, Dec 2011. DOI: 10.1140/epjp/i2011-11127-4.	International	ISSN : 2190-5444				Yes
16	S.D. Katore, D. V. Kapse, G. B. Tayade	Bianchi Type VI0 Cosmological Models with Perfect Fluid and Dark Energy	International Journal of Theoretical Physics, Netherlands, 50, pp. 3299–3312, 2011,	International	ISSN: 1572-9575.	0.668			Yes
17	S.D. Katore	Bianchi Type-III Inflationary Universe with Constant Deceleration Parameter in General Relativity	Bulgarian Journal of Physics, 38, pp. 139–144, 2011	International	ISSN: 1310-0157	Still Computing			Yes
18	S. D. Katore	Strange Quark Matter Attached to String Cosmology in FRW Space-Time	International Journal of Theoretical Physics, 51, pp. 83–89, 2012,	International	ISSN: 1572-9575	0.668			Yes
19	S.D. Katore, K. S. Adhav, M. M. Sancheti	Dynamics of Kantowski-Sachs Universe with Magnetized Anisotropic Dark Energy	Astrophysics and Space Science, 337, pp. 393–400, 2012	International	ISSN: 1572-946X	1.318			Yes
20	S.D Katore, A.Y. Shaikh, S.A. Bhaskar	Accelerating and Decelerating Bianchi Type VI0 Cosmological Models with Wet Dark Fluid in General Relativity	Prespacetime Journal USA,2, pp. 1232-1245, 2011	International	ISSN: 2153 - 8301	Still Computing			Yes
21	S.D Katore, M.M. Sancheti, N.K. Sarkate	FRW Cosmological Solutions with Zero-Mass Scalar Field Attached to Bulk Viscous Fluid in Saez-Ballester Theory of Gravitation	Prespacetime Journal USA,2, pp. 1860-1871, 2011	International	ISSN: 2153 - 8301	Still Computing			Yes
22	S.D Katore, A.Y. Shaikh, M.M. Sancheti, J. L. Pawade	Einstein Rosen Bulk Viscous Cosmological Solutions with Zero Mass Scalar Field in Lyra Geometry	Prespacetime Journal USA, 3, pp. 83-89, 2012	International	ISSN: 2153 - 8301	Still Computing			Yes

23	S.D. Katore, D.V. Kapse, G.B. Tayade	Bianchi Type III Cosmological Model with Binary Mixture of Perfect Fluid and Dark Energy	Bulgarian Journal of Physics, 38, pp. 390–399, 2011	Intern ationa l	ISSN: 1310- 0157	Still Com putin g			Yes
24	S.D. Katore, K.S. Adhav, V.G. Mete, A.Y. Shaikh	A higher-dimensional Bianchi type-I inflationary Universe in general relativity	Pramana -Journal of Physics, 78, pp. 101–107, 2012	Intern ationa l	ISSN: 03044289	0.72 0			Yes
25	S.D. Katore, A.Y. Shaikh	Cosmological Model with Strange Quark Matter Attached to Cosmic String for Axially Symmetric Space-Time	International Journal of Theoretical Physics, 51, pp. 1881–1888, 2012	Intern ationa l	ISSN: 1572- 9575	0.66 8			Yes
26	S.D. Katore, A.Y. Shaikh	Statefinder Diagnostic for Modified Chaplygin Gas in Plane Symmetric Universe	The African Review of Physics, 7:0004, pp. 23-30, 2012	Intern ationa l	ISSN:222 3-6589	Still Com putin g			Yes
27	S.D. Katore, R.S. Rane, B.B. Chopade	Hypersurface- Homogeneous Inflationary Cosmological Models in General Relativity	International Journal of Mathematical Archive, 3, pp. 31-37, 2012	Intern ationa l	ISSN: 2229- 5046	Still Com putin g			Yes
28	S.D. Katore	Dynamics of Bianchi type-III Universe with Magnetized Anisotropic Dark Energy	Prespacetime Journal USA, 3, pp. 154-169, 2012	Intern ationa l	ISSN: 2153 - 8301	Still Com putin g			Yes
29	S.D. Katore, A.Y. Shaikh, N.K. Sarkate, G.B. Tayade	Hyper-Surface Universe with Wet Dark Fluid in General Relativity	Prespacetime Journal USA, 3, pp. 480-494, 2012	Intern ationa l	ISSN: 2153 - 8301	Still Com putin g			Yes
30	S.D. Katore, B.B. Chopade	Bianchi Type-VI Inflationary Universe in General Relativity	Prespacetime Journal USA, 3, pp. 474-479, 2012	Intern ationa l	ISSN: 2153 - 8301	Still Com putin g			Yes
31	S.D. Katore, R.S. Rane, K.S. Wankhade, S.A. Bhaskar	Accelerating and Decelerating Hyper Surface-Homogeneous Cosmological Models in Barber's Second Self- Creation Theory	Global Journal of Science Frontier Research, Vol.XII, pp 41- 49,2012	Intern ationa l	ISSN: 0975- 5896	Still Com putin g			Yes
32	S.D. Katore, B.B. Chopade, S.H. Shekh, S.A. Bhaskar	Accelerating And Decelerating Cosmological Models With Perfect Fluid And Dark Energy For Kasner Type Metric	International Journal of Mathematical Archive, 3, pp. 1283-2191, 2012,	Intern ationa l	ISSN: 2229- 5046	Still Com putin g			Yes

33	S.D. Katore, A.Y. Shaikh, M.M. Sancheti	Bianchi Type III Dark Energy Cosmological Model In Scalar Tensor Theory Of Gravitation	International Journal of Mathematical Archive, 3, pp. 1297-1304, 2012	International	ISSN: 2229-5046	Still Computing			Yes
34	S.D. Katore, A.Y. Shaikh, G.B. Tayade	Kantowski-Sachs Dark Energy Model in Saez-Ballester Theory of Gravitation	Prespacetime Journal, USA 3, pp. 2012,	International	ISSN: 2153 - 8301	Still Computing			Yes
35	S.D.Katore, K.S.Adhav, S.V.Thakare, D.V.Kapse	Behavior of Bimetric Tensor Quantities With Regard To Nonstatic Plane Symmetric Space-Times	Amravati University Research Journal, Vol.V, 2010-11	International	ISSN: 0973-9173	Still Computing			Yes
2010-11									
1	K.S.Adhav	Two-Fluid Cosmological Models in Bianchi type-III Space-time.	Electronic Journal of Theoretical Physics. ITALY. Vol.8, No.25, pp.319-326, May 2011.	International	ISSN :1729-5254				Yes
2	K.S.Adhav	Quasi-Static Thermal Stresses Due to Heat Generation in a Semi-Infinite Hollow Cylinder.	International Journal of Mathematical Sciences, INDIA Vol.10, No.1-2, pp.1-8, Jan-June, 2011.	International	ISSN : 0016-0032				Yes
3	K.S.Adhav	Bianchi Type-I Universe with Constant Deceleration Parameter in Creation-Field Cosmology	International Journal of Theoretical Physics, NETHERLANDS , Vol. 50, No. 5, pp. 1522-1535, May 2011. DOI :10.1007/s10773-010-0661-2	International	ISSN: 1572-9575 (electronic version), Journal no. 10773 , Springer US.				Yes
4	K.S.Adhav	Bianchi Type-VI <sub>0</sub> Cosmological Models with Anisotropic Dark Energy.	Astrophysics & Space Science (NETHERLANDS) Journal No. 10509 , Springer Netherlands. Vol. 332, No. 2 , pp. 497-502, April 2011. DOI:10.1007/s10509-010-0519-	International	ISSN: 1572-946X ,				Yes

			3						
5	K.S.Adhav	Kaluza-Klein Cosmological Models with Anisotropic Dark Energy.	Modern Physics Letters A, CHINA. Vol.26 , No.10, pp.739-750, March 2011 DOI: 10.1142/S0217732311035080	International	ISSN : 1793-6632				Yes
6	K.S.Adhav	Bianchi Type-I Universe with Wet Dark Fluid in Bimetric Theory of Gravitation.	Journal of Vectorial Relativity Vol.6, No.1, pp.23-28, March 2011. DOI:101210B	International	ISSN : 1856-6847				Yes
7	K.S.Adhav	Axially Symmetric Universe in Creation Field Cosmology.	International Journal of Theoretical Physics, NETHERLANDS , Journal No. 10773 , Springer US. Vol. 50, No. 3 , pp. 861-870, March 2011. DOI:10.1007/s10773-010-0623-8	International	ISSN: 1572-9575				Yes
8	K.S.Adhav	Bianchi Type-III Cosmological Model with Negative Constant Deceleration Parameter with Wet Dark Fluid in Brans-Dicke Theory of Gravitation.	Prespacetime Journal QuantumDream, Inc. P.O. Box 267,Stony Brook, NY 11790-0267, USA. Vol. 2, No. 3 , pp. 01 March 2011.	International	ISSN : 2153-8301				Yes
9	K.S.Adhav	Bianchi Type-III Magnetized Wet Dark Fluid Cosmological Model in General Relativity.	International Journal of Theoretical Physics, NETHERLANDS , Journal no. 10773 , Springer US. Vol.50, No.2, pp.339-348, Feb 2011 DOI:10.1007/s10773-010-0530-z	International	ISSN: 1572-9575 (electronic version),				Yes
10	K.S.Adhav	LRS Bianchi Type-I Models With Constant Deceleration Parameter In Creation Field	Astrophysics &Space Science (NETHERLANDS)	International	ISSN: 1572-946X				Yes

		Cosmology.	, Journal No. 10509 , Springer Netherlands. Vol.331, No.2, pp. 689-695, Feb 2011 DOI:10.1007/s10509-010-0474-z						
11	K.S.Adhav	Plane Symmetric Cosmological Models with Perfect fluid and Dark Energy.	Astrophysics & Space Science (NETHERLANDS) Journal No. 10509 Springer Netherlands. Vol. 333, No. 1, pp. 333-341, May 2011 DOI:10.1007/s10509-011-0622-0	International	ISSN: 1572-946X				Yes
12	K.S.Adhav	LRS Bianchi Type-I Domain Walls in Saez-Ballester's Scalar-Tensor Theory of Gravitation	Prespacetime Journal QuantumDream, Inc. P.O. Box 267 Stony Brook, NY 11790-0267 USA. Vol. 2, No.1 , pp. 042-051, January, 2011 .	International	ISSN : 2153-8301				Yes
13	K.S.Adhav	Stiff Domain Walls in Creation -Field Cosmology.	International Journal of Theoretical Physics, NETHERLANDS , Journal no. 10773 , Springer US Vol.50, No.1, pp.275-288, Jan 2011. DOI:10.1007/s10773-010-0520-1	International	ISSN: 1572-9575 (electronic version),				Yes
14	K.S.Adhav	Einstein-Rosen Universe With Wet Dark Fluid in General Relativity.	International Journal of Theoretical Physics, NETHERLANDS , Journal no. 10773 , Springer US. Vol.50, No.1, pp.164-170, Jan 2011. DOI:10.1007/s10773-010-0355-9	International	ISSN: 1572-9575 (electronic version),				Yes



15	K.S.Adhav	Behaviour of Bimetric Tensor Quantities With Regard To Non-static Plane Symmetric Space-Times.	Journal of Sant Gadge Baba Amravati University , AMRAVATI Published on 29-10-2010.	International	ISSN : 0973-9173				Yes
16	K.S.Adhav	String Cosmological Model With Strange Quark Matter in Kantowski-Sachs Space-Time.	FIZIKA B , (Zagreb) , CROATIA Vol.19, No.4, pp 323-328, Dec 2010.	International	ISSN : 1333-9133				Yes
17	K.S.Adhav	Higher Dimensional Bianchi Type-I Universe with Perfect Fluid and Dark Energy.	Bulgarian Journal of Physics. BULGARIA. Vol.37 , No. 4, pp 255-265, Dec 2010.	International	ISSN:1310-0157				Yes
18	K.S.Adhav	N-Dimensional Kaluza-Klein Universe in Hoyle Narlikar C-Field Cosmology.	IL NUOVO CIMENTO B Bolgano, ITALY Vol.125, No.12, pp.1479-1492, Dec 2010. DOI 10.1393/ncb/i2010-10941-0	International	ISSN:1826-9877				Yes
19	K.S.Adhav	Einstein-Rosen Domain Walls in Saez-Ballester Theory of Gravitation.	Journal of Vectorial Relativity Vol.5, No.4, pp. 22-33, Dec 2010. DOI : 072910B	International	ISSN : 1856-6847				Yes
20	K.S.Adhav	Axially Symmetric Cosmic Strings and Domain Walls in Creation field Cosmology.	IL NUOVO CIMENTO B Bolgano, ITALY Vol.125, No.11, pp.1343-1362, Nov 2010. DOI 10.1393/ncb/i2010-10934-y	International	ISSN:1826-9877				Yes
21	K.S.Adhav	LRS Bianchi Type-I Universe In Creation Field Cosmology.	Bulgarian Journal of Physics. BULGARIA. Vol.37, No.3, pp.184-194, Sept 2010.	International	ISSN:1310-0157				Yes
22	K.S.Adhav	Higher Dimensional LRS Bianchi Type-I Domain Walls in a Scalar-Tensor Theory of Gravitation.	International Journal of Theoretical Physics, NETHERLANDS ,	International	ISSN: 1572-9575				Yes

			, Journal No. 10773 , Springer, US. Vol. 49, No. 10, pp. 2358-2363, Oct 2010. DOI:10.1007/s10773-010-0422-2						
23	K.S.Adhav	Axially Symmetric Bianchi Type-IX Inflationary Universe in General Relativity	International Journal of Theoretical Physics, NETHERLANDS , Journal No. 10773 , Springer , US. Vol.49, No.8, pp.1753-1758, 03Aug 2010. DOI:10.1007/s10773-010-0355-9	International	ISSN: 1572-9575				Yes
24	K.S.Adhav	Kasner Universe in Creation-Field Cosmology.	Journal of Modern Physics. CHINA. Vol. 1, pp.190-195, 2010. DOI:10.4236/jmp.2010.13028 Published Online August 2010 ( <a href="http://www.scirp.org/journal/jmp">http://www.scirp.org/journal/jmp</a> )	International	ISSN : 2153-120X				Yes
25	K.S.Adhav	Kaluza-Klein Universe in Creation Field Cosmology.	Journal of Vectorial Relativity. Vol.5 , No.2, pp.1-11, June, 2010. DOI:021910A	International	ISSN: 1856-6847				Yes
26	K.S.Adhav	Higher Dimensional Bianchi Type-VI <sub>0</sub> Universe in Creation Field Cosmology.	Bulgarian Journal of Physics, BULGARIA. Vol. 37, No.2, pp.90-99 , June 2010	International	ISSN : 1310-0157				Yes
27	K.S.Adhav	Plane Symmetric Cosmological Model with Wet Dark Fluid in Bimetric Theory of Gravitation.	Advanced Studies in Theoretical Physics, BULGARIA. Vol.4, No.19, pp.917-922, May 2010.	International	ISSN: 1313-1311.				Yes
28	K.S.Adhav	Plane Gravitational Waves of Non-symmetric Unified Equations of Einstein ,	Journal of Vectorial Relativity. Vol. 5, No.2,	International	ISSN: 1856-6847				Yes

		Bonner and Schrodinger in Plane Symmetry.	pp.18-25, May, 2010.						
29	K.S.Adhav	Generalized Plane Gravitational Waves of Non-Symmetric Unified Field Theories in General Relativity.	Journal of Vectorial Relativity. Vol.5 ,No.1 , pp. 30-41, March 2010. DOI:020910A	Internationa l	ISSN: 1856- 6847				
30	K.S.Adhav	Stiff Fluid Bianchi Type-VIh Universe in Creation field Cosmology.	IL NUOVO CIMENTO B Bolgano, ITALY Vol.125 B , No.4 , April 2010 . DOI:10.1393/ncb/i2010-10884-4	Internationa l	ISSN:182 6-9877				
31	K.S.Adhav	N-Dimensional Bianchi Type-I Universe In Creation Field Cosmology.	Astrophysics &Space Science (NETHERLANDS) (electronic version) , Journal no. 10509 , Springer Netherlands. Vol.327,No.1, pp.125-130, May 2010. DOI:10.1007/s10509-010-0297-y	Internationa l	ISSN: 1572- 946X				Yes
32	K.S.Adhav	Higher Dimensional Bianchi Type-I Universe In Creation-Field Cosmology.	International Journal of Theoretical Physics, NETHERLANDS , (electronic version), Journal no. 10773 , Springer US. Vol.49,No.5, pp.957-966, May,2010. DOI:10.1007/s10773-010-0274-9	Internationa l	ISSN: 1572- 9575				Yes
33	K.S.Adhav	Axially Symmetric Bianchi Type-I Model with Massless Scalar Field and Cosmic Strings in Barber's Self Creation Cosmology.	International Journal of Theoretical Physics, NETHERLANDS , Journal no. 10773 , Springer US. Vol.49,No.5, pp.1127-1132, May,2010. DOI:10.1007/s10773-010-0293-6	Internationa l	ISSN: 1572- 9575 (electronic version),				Yes

34	K.S.Adhav	Higher Dimensional Bianchi Type-V Universe In Creation-Field Cosmology.	Natural Science, Scientific Research Publishing USA. Vol.2, No.5, May,2010. DOI:10.4236/ns.2010.12011	International	ISSN: 2150-4105,				Yes
35	S.D. Katore, K.S. Adhav, R.S. Rane	Plane Gravitational Waves of Non-Symmetric Unified Field Equations of Einstein, Bonnor and Schrodinger in Plane Symmetry	Journal of Vectorial Relativity, 30310, pp.18-25, 2010	International	ISSN: 1856-6847	Still Computing			Yes
36	S.D. Katore, R.S. Rane, K.S. Wankhade	Anisotropic Plane Symmetry Magnetized Model with Cosmological Constant	International Journal of Theoretical Physics, 49, pp. 2105-2112, 2010	International	ISSN:1572-9575	0.668			Yes
37	S.D. Katore, K.S. Adhav, A.Y. Shaikh, N.K. Sarkate	Higher Dimensional LRS Bianchi type-I Domain Walls in Scalar Tensor Theory of Gravitation	International Journal of Theoretical Physics, 49, pp. 2358-2363, 2010,	International	ISSN:1572-9575	0.668			Yes
38	S.D. Katore	A Magnetized Kantowski-Sachs Inflationary Universe In General Relativity	Bulgarian Journal of Physics, 37, pp.144-151, 2010	International	ISSN:1310-0157	Still Computing			Yes
39	S.D. Katore, K.S. Adhav, M.M. Sancheti	LRS Bianchi Type-I Domain walls In Saez-Ballester's Scalar Tensor Theory of Gravitation	Prespace time Journal USA, 2, pp. 42-51, 2011	International	ISSN:2153-8301	Still Computing			Yes
40	S.D. Katore, K.S. Adhav, A.Y. Shaikh, M. M. Sancheti	Plane Symmetric Cosmological Models with Perfect Fluid and Dark Energy	Astrophysics and Space Science, 333, pp.333-341, 2011	International	ISSN:1572-946X	1.437			Yes
41	S.D. Katore, A.Y. Shaikh	Einstein-Rosen String Cosmological Model In Barber's Second Self Creation Theory	International Journal of Modern Physics A, 26, pp.1651-1657, 2011	International	ISSN:1793-656X	1.09			Yes
42	S.D. Katore, M.M. Sancheti	Bianchi Type-VI0 Magnetized Anisotropic dark Energy Models with Constant Deceleration Parameter	International Journal of Theoretical Physics, 50, pp. 2477-2485, 2011	International	ISSN:1572-9575	0.668			Yes
43	S.D. Katore, A.Y. Shaikh	Bianchi Type-I Cosmological Model in Self Creation Cosmology	Fizika B (Zagreb) Croatia, 19, pp.161-168, 2010	International	ISSN:1333-9133	Still Computing			Yes

44	S.D. Katore, A.Y. Shaikh, D.V. Kapse, S.A. Bhaskar	FRW Bulk Viscous Cosmology in Multidimensional Space Time	International Journal of Theoretical Physics, 50, pp. 2644-2654, 2011	Intern ationa l	ISSN: 1572- 9575	0.66 8			Yes
45	S.D. Katore, R.S. Rane, K.S. Wankhade	Bianchi Type-I Massive String Magnetized Barotropic Perfect Fluid Cosmological Model in Bimetric Theory	Pramana Journal of Physics, 76, pp. 543-551, 2011	Intern ationa l	ISSN:030 44289	0.72 0			Yes
46	S.D. Katore	Bianchi Type-I Domain Walls with Negative Constant Deceleration Parameter in Brans- Dicke Theory	The European Physical Journal PLUS, 126 pp.126-134, 2011	Intern ationa l	ISSN:219 0-5444	1.47 5			Yes
47	S.D. Katore, R.S. Rane, K.S. Wankhade	Higher Dimensional Spherically Symmetric Domain Walls and Cosmic String in Bimetric Theory	Journal of Vectorial Relativity, 2, pp. 12-17, 2010	Intern ationa l	ISSN:185 6-6847	Still Com putin g			Yes
48	S.D. Katore, A.Y. Shaikh, M.M. Sancheti, N.K.Sarkate	Bianchi Type-III Cosmic Strings and Domain Walls Cosmological Models in Self-creation Cosmology	Prespace-time Journal USA, 2, pp. 447-461,2011	Intern ationa l	ISSN:215 3 -8301	Still Com putin g			Yes
49	S.D. Katore, A. Y. Shaikh, M. M. Sancheti, S. A. Bhaskar	Plane Symmetric Universe with Wet Dark Fluid in General Relativity	Prespace-time Journal USA, 2, 2011	Intern ationa l	ISSN:215 3 -8301	Still Com putin g			Yes
50	S.D. Katore, S.V. Thakare, A.Y. Shaikh, D.V. Kapse	On Kasner Type Space- time in Scale-Covariant Theory	Journal of Vectorial Relativity, 4, pp. 42-47, 2010	Intern ationa l	ISSN:185 6-6847	Still Com putin g			Yes
51	S.D. Katore, R.S. Rane, K.S. Wankade	Cosmological Models in Saez-Ballester Theory of Gravitation	Journal of Vectorial Relativity, 2, pp. 42-50, 2010	Intern ationa l	ISSN:185 6-6847	Still Com putin g			Yes

## 22.2 Books Written/ Edited:

S. N.	Name of Authors	Title of Book	Name of Publisher	ISSN/ISBN No.	No. of Pages	Acted as (Editor/Author)
1	T.M. Karade, K.S.Adhav, S.D. Katore, V.G. Mete, Maya S. Bendre	Elements of Riemannian Geometry	Sonu Nilu Einstein Foundation International Feb 2015	ISBN:978-81-88763-51-1	140	Author
2	T.M. Karade, K.S.Adhav, S.D. Katore, Maya S. Bendre	Elements of General Relativity	Sonu Nilu Einstein Foundation International June 2014	ISBN:978-81-88763-51-1	140	Author
3	T.M. Karade, J.N. Salunke, S.D. Katore, Rekha Rani	Modern Algebra (groups-rings)	Sonu Nilu Einstein Foundation International May 2014	ISBN:978-81-88763-48-1	150	Author

22.3 Monographs/ Chapters in Book/s Written/Edited:  
Nil

## 22.4 Publications in Conference/Seminar Proceedings:

S. N.	Name of Authors	Title of Paper	Name of the Conference/ Seminar/ Workshop	Status National/ International	ISSN/ISBN No (if any)	Name of Organizing Agency	Duration and Date	Volume and Page No. of Proceedings
2012-13								
1	Dr. S.D. Katore	B-II,VIII, IX Cosmological models with Anisotropic Dark Energy in f(R,T) gravity	Proceedings of International Conference of Benchmark in Engg. Science and Technology, (IC-BEST)	International	ISBN:978-81-923623-0-4 ISSN-0123-4560		8 Sept, 2012	
2	Dr.S.D. Katore	Bianchi Type III and Kantowski Sachs Dark Energy Model in Scale Covariant Theory	Proceedings of International Conference of Benchmark in Engg. Science and Technology, (IC-BEST)	International	ISBN:978-81-923623-0-4 ISSN-0123-4560		8 Sept, 2012	

2010-11								
1	S.D. Katore, S.V.Thakare, A.Y. Shaikh, D.V. Kapse	Domain Walls in Scale-Covariant Theory for Kasner Type Metric	National Conference on Recent trends in Mathematics and its applications in Astronomy	National		Mungsaji Maharaj Mahavidyalaya, Darwaha, Dist-Yavatmal	27-28 Feb, 2010	

23. Details of patents and income generated

Nil

24. Areas of consultancy and income generated

Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

Nil

26. Faculty serving in

a) National committees b) International committees c) Editorial Boards d) any other

S. N.	Year	Name of the Faculty	National Committees/ International Committees/ Editorial Boards/ Any Other (specify)	Organization	Acted as Member / Chairman/ Secretary/ Others (specify)
1	2014-15	K S Adhav	International (Advances in High Energy Physics)	Hindawi publication Corporation	Editorial Board Member
2	2013-14	K S Adhav	International (Advances in High Energy Physics)	Hindawi publication Corporation	Editorial Board Member

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

- Faculties are motivated to attend Refresher/ Orientation/ Workshops/ Specialized Training Programmes/ Industrial Interaction to achieve excellence in teaching and research.

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects - Nil
- percentage of students doing projects in collaboration with other universities / industry / institute - Nil

## 29. Awards / recognitions received at the national and international level by

S. N.	Year	Name of the Faculty <sup>1</sup> /Doctoral <sup>2</sup> /post Doctoral Fellow <sup>3</sup> /Student <sup>4</sup>	Award / Recognition	Conferring Organization	Level (National/ International)
	2014-1	Dr K S Adhav	D.Sc.	SGBAU, Amravati	-----
	2013-14	Dr K S Adhav <sup>1</sup>	Best Teacher Award	Govt of Maharashtra	-----
		Ku R J Baxi <sup>4</sup>	Inspire DST Award	DST, New Delhi	National

## 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

S. N.	Name of the Conference/Seminar/ Workshop	Status National/ International	Name of Chairman/ Organizing Secretary/ Convenor	Funding Agency with Funds (if any)	Collaborators (if any)	Duration, Date and Venue
2014-15						
1	University Level Seminar Competition	University			G.S. Gawande Mahavidyalaya, Umarkhed	20 Sept, 2014
2	University Level Research Oriented workshop	University			Dnyaneshwar Maskuji Burungale Science College, Shegaon	10-11 Jan, 2014
3	UG Seminar Competition	University		DST Sponsored	Matoshri Nanibai Dharphalkar Science College, Babhulgaon	18 Feb, 2015
2013-14						
1	University Level Seminar Competition on Algebra	University			Mungasaji Maharaj Mahavidyalaya, Darwha	16 Feb, 2014
2	University Level PG Seminar Competition	University	Dr. K.S. Adhav			5 April, 2014
2012-13						
1	National Conference on Recent Advances in Mathematics	National			Mungasaji Maharaj Mahavidyalaya, Darwha	26-27 Oct, 2012
2	University Level Research Oriented Workshop	University	Charman- Dr.K.S. Adhav			8 Sept, 2012



			Organizing Secretary- Dr. S.D. Katore			
3	Seminar Competition (Ramanujan Day)	University	Dr. K.S. Adhav	Sponsored by UGC		22 Dec, 2012
4	Symposium on Number Theory and Related Topics	National		Sponsored by CSIR	Shantaram Jamorkar Foundation, Mahan	15-16 Jan, 2013
5	University Level Research Oriented Workshop for Mathematics Teachers and Research Students on Theory of Relativity	University	Dr. K.S. Adhav	Sponsored by UGC		9-10 Feb, 2013
6	PG Seminar Competition at Washim on Complex Analysis	University			R.A. Arts, M.K. Commerce, S.R. Rath Science College, Washim	28 Feb, 2013
2011-12						
1	University Level UG Seminar Competition Mechanics	University	Dr. K.S. Adhav			11 Jan, 2012
2	University Level PG Seminar Competition Topology	University	Dr. K.S. Adhav			5 Mar, 2012
2010-11						
1	National Conference on Recent Trends in Mathematical Sciences	National			Mungasaji Maharaj Mahavidyalaya, Darwaha	27-28 Feb, 2010
2	Research Oriented Workshop	University	Dr. K.S. Adhav			6 Mar, 2011
3	P.G. Seminar Competition on Functional Analysis	University	Dr. K.S. Adhav			26 Mar, 2010
4	Guest Lecture by Dr. Shriram (BHU)	University	Dr. K.S. Adhav		Department of Mathematics, S.G.B. Amravati University, Amravati	16 Oct, 2010
5	Guest Lecture by Dr. J. N. Salunke	University	Dr. S.D. Katore		Department of Mathematics, S.G.B. Amravati University, Amravati	15 Feb, 2010

31. Code of ethics for research followed by the departments
- Transparency and sincerity in research.
  - Excellence in research through knowledge cooperation.

32. Student profile programme-wise:

Year	Admitted to First Year of the Course			Pass Percentage of Students	
	Boys	Girls	Total	Boys	Girls
2014-15	6	24	30	--	--
2013-14	5	25	30	20	68
2012-13	7	23	30	14.28	73.91
2011-12	15	16	31	33.33	50
2010-11	12	18	30	50	61.11

33. Diversity of students

Name of the Programme	Year	Percentage of students from the same university	Percentage of students from other universities within the State	Percentage of students from Universities outside the State	Percentage of students from other countries
M.Sc. (Mathematics)	2014-15	86.67	13.33	0	0
	2013-14	80	16.67	3.33	0
	2012-13	73.33	26.67	0	0
	2011-12	93.55	6.45	0	0
	2010-11	83.33	13.33	3.33	0

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

NET: 02

SET: 03

GATE: 01

35. Student progression

Student Progression	Percentage against enrolled
UG to PG	Nil
PG to M. Phil.	Nil
PG to Ph.D.	10 % for each year
Ph.D. to Post Doctoral	Nil
Employed	
▪ Campus Selection	Nil
▪ Other than campus recruitment	10%
Entrepreneurs	NA

## 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	00
from other universities within the State	02
from universities from other States from	00
universities outside the country	00

## 37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

D.Sc.	08-10-2014	Dr. K.S. Adhav
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38. Present details of departmental infrastructural facilities with regard to :  
(Please specify numbers)

- |   |   |      |
|---|---|------|
| a. Library : Books in Department              | : | 256  |
| b. Internet facilities for staff and students | : | Yes. |
| c. Total number of class rooms                | : | 02   |
| d. Class rooms with ICT facility              | : | 02   |
| e. Students' laboratories                     | : | 01   |
| f. Research laboratories                      | : | 01   |

## 39. List of doctoral, post-doctoral students and Research Associates :

- a. from the host institution/university  
Ph.D. Guidance: Dr. K.S. Adhav

S. N.	Name	Doctoral/ post-doctoral / Research Associate	Duration of Fellowship
1	Dr. M. V. Dawande Bharatiya Mahavidyalaya AMRAVATI. 20-12-2010	Doctoral	Awarded 20/12/2010
2	Dr. V. B. Raut Mungsaji Maharaj Mahavidyalaya, DARWHA. 13-05-2011	Doctoral	Awarded 13/05/2011
3	Dr. P.S. Gadodia (Agrawal) PGTD (Mathematics), Sant Gadge Baba Amravati University, AMRAVATI. 18-05-2011	Doctoral	Awarded 18/05/2011
4	Shri A. M. Pund PGTD (Mathematics), Sant Gadge Baba Amravati University, AMRAVATI. 14-10-2011	Doctoral	Awarded 14/10/2011

5	Shri R. S. Thakare PGTD (Mathematics), Sant Gadge Baba Amravati University, AMRAVATI. 22-12-2011.	Doctoral	Awarded 22/12/2011
6	Shri A. S. Bansod PGTD (Mathematics), Sant Gadge Baba Amravati University, AMRAVATI. 16-05-2013.	Doctoral	Awarded 16/05/2013
7	Ku. M. S. Desale (Nirmal) PGTD (Mathematics), Sant Gadge Baba Amravati University, AMRAVATI. 28-04-2014.	Doctoral	Awarded 28/04/2014
8	Ku. R. B. Raut (Bure) PGTD (Mathematics), Sant Gadge Baba Amravati University, AMRAVATI. 28-04-2014.	Doctoral	Awarded 28/04/2014
9	Shri R. P. Wankhade Jawaharlal Darda Institute of Engineering & Technology, YAVATMAL. 15-05-2014.	Doctoral	Awarded 15/05/2014
10	Ku. S. M. Borikar PGTD (Mathematics), Sant Gadge Baba Amravati University, AMRAVATI. 17-06-2014.	Doctoral	Awarded 17/06/2014
11	Ku. Radhika G. Deshmukh (PHYSICS) Shri Shivaji Science College, AMRAVATI. 20-06-2014.	Doctoral	Awarded 20/06/2014
12	Shri I. D. Pawade M. Moghe Science College, PANDHAR-KAWADA. 22-11-2014.	Doctoral	Awarded 22/11/2014
13	Shri S.L. Munde PGTD (Mathematics), Sant Gadge Baba Amravati University, AMRAVATI.	Research Associate	Thesis submitted on 10 Feb, 2014.
14	Ku G. B. Tayde Sipna College of Engineering, AMRAVATI.	Doctoral	Thesis submitted On 05 July, 2014.
15	Shri H. G. Ajmire PGTD (Mathematics), Sant Gadge Baba Amravati	Doctoral	Thesis submitted on

	University, AMRAVATI.		01 Sept, 2014.
16	Mrs. M. A. Purandare Cummins College of Engineering, PUNE. Summary Synopsis submitted on 05 Dec, 2014.	Doctoral	-
17	Mrs. Shilpa Kuber PGTD (Mathematics), Sant Gadge Baba Amravati University, AMRAVATI. Registered on 15 July, 2013.	Doctoral	-
18	Shri S M Gawande PGTD (Mathematics), Sant Gadge Baba Amravati University, AMRAVATI. Applied on 15 Jan, 2014.	Doctoral	-
19	Shri V D Bokey PGTD (Mathematics), Sant Gadge Baba Amravati University, AMRAVATI. Applied on 15 July, 2014.	Doctoral	-
20	Dineshkumar Joshi PGTD (Mathematics), Sant Gadge Baba Amravati University, AMRAVATI. Applied on 15 July, 2014.	Doctoral	-

## Ph.D. Guidance: Dr. S.D. Katore

S. N.	Name	Doctoral/post-doctoral / Research Associate	Duration of Fellowship
1	Shri. Milankumar M.Sancheti Department of Mathematics, Rajasthan Aryan Arts, Shri Mithulalji Kacholiya Commerce & Shri Satyanarayanji Ramkrishnaji Rathi Science Mahavidyalaya, Washim	Doctoral	Awarded 14/02/2013
2	Shri. Kishor S. Wankhade Department of Mathematics, Y.C. Arts and Science college, Mangrulpir Dist. Washim	Doctoral	Awarded 25/1/2012
3	Mr. Alfred Yusuf Shaikh Department of Mathematics, Indira Gandhi Arts and Science Mahavidyalaya Ralegaon, Dist. Yevatmal.	Doctoral	Awarded 09/07/2014
4	Ku. Shital A. Baskar	Doctoral	Submitted
5	Ms. Dipti V. Kapse Siphna College of Engineering, Amaravati	Doctoral	Registered 15/01/2011

6	Shri Bhaskar B. Chopade G.S.Gilani College, Ghantaji Dist.Yevatmal	Doctoral	Registered 15/07/2011
7	Ms. Rashmi J.Baxi Department of Mathematics, Sant Gadge Baba Amravati University, Amravati	Doctoral	INSPIRE Fellowship (No: IF140404) For 5 years Registered 15/01/2014
8	Shri. Chandrashekhar D.Wadale, Dept .of Mathematics, Sarda Arts, Commerce and Science College, Anjangaon Surji	Doctoral	Submitted for Registration
9	Shri.Swapnil V.Gore, Dept.of Mathematics, Indira Gandhi Arts and Science Mahavidyalaya Ralegaon, Dist.Yevatmal.	Doctoral	Submitted for Registration

b. from other institutions/universities

S. N.	Name	Doctoral/post-doctoral / Research Associate	Duration of Fellowship
1	Shri. Namdev K Sarkate Adarsh College, Hingoli, Dist-Hingoli	Doctoral	Registered 15/07/2009
2	Shri. Sachin P.Hatkar, Adarsh Education Society's Arts, Commerce and Science College, Hingoli, Dist-Hingoli.	Doctoral	Registered 15/07/2013

40. Number of post graduate students getting financial assistance from the university.

Nil

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Nil

42. Does the department obtain feedback from

i. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

No

ii. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes.

Feedback is utilised for (a) Improvements in Methods of teaching(b) Revision of

## Syllabi (c) Research oriented modifications.

- iii. Alumni and employers on the programmes offered and how does the department utilize the feedback?

Nil

43. List the distinguished alumni of the department with their designation and address (maximum 10)
- Gore S V (2009-11) has been appointed as Asstt Prof at I G Science College, Ralegaon.
  - Netnaskar M D (2010-12) has been appointed as Asstt Prof at B. S. P. Science College, Pipalgaon(Kale).
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.  
(Note: Give list and date)

S. N.	Name of the Conference/Seminar/ Workshop	Status National/ International	Name of Chairman/Organizing Secretary/ Convenor	Funding Agency with Funds (if any)	Collaborators (if any)	Duration, Date and Venue
2014-2015						
1	University Level Seminar Competition	University			G.S. Gawande Mahavidyalaya, Umarkhed	20 Sept, 2014
2	University Level Research Oriented workshop	University			Dnyaneshwar Maskuji Burungale Science College, Shegaon	10-11 Jan, 2014
3	UG Seminar Competition	University		DST Sponsored	Matoshri Nanibai Dharpalkar Science College, Babhulgaon	18 Feb, 2015
2013-14						
1	University Level Seminar Competition on Algebra	University			Mungasaji Maharaj Mahavidyalaya, Darwha	16 Feb, 2014
2	University Level PG Seminar Competition	University	Dr. K.S. Adhav			5 April, 2014
2012-13						
1	National Conference on Recent Advances in Mathematics	National			Mungasaji Maharaj Mahavidyalaya, Darwha	26-27 Oct, 2012
2	University Level Research Oriented	University	Charman- Dr.K.S.			8 Sept, 2012

	Workshop		Adhav  Organizing Secretary- Dr. S.D. Katore			
3	Seminar Competition (Ramanujan Day)	University	Dr. K.S. Adhav	Sponsored by UGC		22 Dec, 2012
4	Symposium on Number Theory and Related Topics	National		Sponsored by CSIR	Shantaram Jamorkar Foundation, Mahan	15-16 Jan, 2013
5	University Level Research Oriented Workshop for Mathematics Teachers and Research Students on Theory of Relativity	University	Dr. K.S. Adhav	Sponsored by UGC		9-10 Feb, 2013
6	PG Seminar Competition at Washim on Complex Analysis	University			R.A. Arts, M.K. Commerce, S.R. Rathi Science College, Washim	28 Feb, 2013
2011-12						
1	University Level UG Seminar Competition Mechanics	University	Dr. K.S. Adhav			11 Jan, 2012
2	University Level PG Seminar Competition Topology	University	Dr. K.S. Adhav			5 Mar, 2012
2010-11						
1	National Conference on Recent Trends in Mathematical Sciences	National			Mungasaji Maharaj Mahavidyalaya, Darwaha	27-28 Feb, 2010
2	Research Oriented Workshop	University	Dr. K.S. Adhav			6 Mar, 2011
3	P.G. Seminar Competition on Functional Analysis	University	Dr. K.S. Adhav			26 Mar, 2010
4	Guest Lecture by	University	Dr. K.S. Adhav		Department of Mathematics,	16 Oct,



	Dr. Shriram (BHU)				S.G.B. Amravati University, Amravati	2010
5	Guest Lecture by Dr. J. N. Salunke	University	Dr. S.D. Katore		Department of Mathematics, S.G.B. Amravati University, Amravati	15 Feb, 2010

45. List the teaching methods adopted by the faculty for different programmes.
- Group Discussion Method
  - Seminar Method
  - Problem Solving Method
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
- Unit Tests
  - Term End Examinations are conducted
47. Highlight the participation of students and faculty in extension activities.
- Shramadan Activity.
48. Give details of “beyond syllabus scholarly activities” of the department.
- Wall Posts
  - Research News Display
  - Research Papers Display
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.
- No
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- In Research Field
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.
- **Strengths:**
    - Highly qualified staff.
    - High percent of students getting through NET/SET/GATE examination.
    - High demand for admissions
  - **Weaknesses:**
    - Inadequate Staff

➤ **Opportunities:**

- Increasing demand of the students in Engineering and Technology.

➤ **Challenges:**

- Introduction of New Courses
- Appointment of Faculty.
- Introduction of New fields of research.

52. Future plans of the department.

- To start more research oriented courses.
- To start Five Year M.Sc. integrated course (after XII).

## Evaluative Report of the Department

1. Name of the Department : **Microbiology**
2. Year of establishment : 1993
3. Is the Department part of a School/Faculty of the university? NA
4. Names of programmes offered :

Level of the Programme	Name of the Programme	Duration	Intake capacity	Faculty
PG	M.Sc.(Microbiology)	2 years	30	Science
Ph.D.	Ph.D. (Microbiology)	2 years	8/Supervisor	Science

5. Interdisciplinary programmes and departments involved  
Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc.  
Nil
7. Details of programmes discontinued, if any, with reasons  
Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System  
Semester - Choice Based Credit System
9. Participation of the department in the courses offered by other departments  
Yes- As per the CBCS
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	0	1
Associate Professor	2	2	2
Assistant Professor	4	2	1
Other (Specify)	0	0	0

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

S. N.	Name	Qualification	Designation	Gender (M/F)	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 years
1	Dr D. H. Tambekar	M.Sc., Ph.D	Professor	M	Microbiology	33	12
2	Dr N. V. Phirke	M.Sc., Ph.D.	Associate Professor	M	Microbiology	9	Nil
3	Dr K. D. Kamble	M.Sc., Ph.D.	Associate Professor	M	Microbiology	11	Nil
4	Dr N. A. Ghanawate	M.Sc., Ph.D.	Assistant Professor	F	Microbiology	5	Nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Year	Name of senior Visiting Fellows	Name of adjunct faculty	Name of emeritus professors
2014-15	1. Dr Kunal Roychaudhury 2. Dr P. W. Ramteke		
2013-14	1. Dr. Yusaf Ali		

13. Percentage of classes taken by temporary faculty – programme-wise information

S. N.	Year	No. of CHB	Percentage of Classes taken by Temporary Faculty
1	2014-15	10	46
2	2013-14	10	46
3	2012-13	10	46
4	2011-12	10	46
5	2010-11	10	46

14. Programme-wise Student Teacher Ratio

S. N.	Year	Student Teacher Ratio
1	2014-15	15:1
2	2013-14	15:1
3	2012-13	15:1
4	2011-12	15:1
5	2010-11	15:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Sr. No.	Name of the Post	No. of Sanctioned Posts	No. of Filled Posts	No. of Vacant Posts
1	Laboratory Technician	1	1	0
2	Laboratory attendant	2	2	0

16. Research thrust areas as recognized by major funding agencies

- Environmental Microbiology
- Fermentation Technology
- Medical Microbiology
- Molecular Biology

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

S. N.	Name of Faculty (PI/Co-PI)	Title of Project	Funding Agency	Total Grants Sanctioned	Status National/ International	Duration	Ongoing/ Completed
1	Dr. Niraj Ghanwate	Studies on Bacterial Colonization and prevention of biofilm in Urinary Catheters	UGC	13.2 Lakhs	National	3years (2014-15)	Ongoing
2	Dr D. H. Tambekar	Temporal and spatial bacterial diversity of methanotrophs from Lonar lake	UGC, New Delhi	9.938 Lakhs	National	3 years (2012-13)	Ongoing
3	Dr N. V. Phirke	Terrestrial nitrification studies in the Arid soils of purna basin	UGC, New Delhi	13.258 Lakhs	National	3 years (2012-13)	Ongoing
4	Dr N. V. Phirke	Submerged fermentation of sorghum grains for preparation of food items	DST, New Delhi	25.4 Lakhs	National	3 years (2012-13)	Ongoing
5	Dr K. D. Kamble	Phylogenetic Study of Some Efficient Deoxyribonuclease Producing Bacteria from soil; Purification and Properties of Deoxyribonucleases	UGC, New Delhi	8.108 Lakhs	National	3 years (2010-11)	Completed
6	Dr N. A. Ghanwate	Evaluation of Minimum Inhibitory Concentration and Minimum Biofilm Eradicating Concentration of selected antibiotics in biofilm producing uropathogenic <i>E.coli</i>	UGC, New Delhi	1.7 Lakhs	National	2 years (2010-11)	Completed

## 18. Inter-institutional collaborative projects and associated grants received

a) National collaboration

b) International collaboration :  
Nil

## 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

S. N.	Title of Project	Funding Agency	Total Grants Sanctioned	Duration	Status (Complete / Ongoing)
1	Studies on Bacterial Colonization and prevention of biofilm in Urinary Catheters	UGC, New Delhi	13.2 Lakhs	3 years (2014-15)	Ongoing
2	Temporal and spatial bacterial diversity of methanotrophs from Lonar lake	UGC, New Delhi	9.938 Lakhs	3 years (2012-13)	Ongoing
3	Terrestrial nitrification studies in the Arid soils of purna basin	UGC, New Delhi	13.258 Lakhs	3 years (2012-13)	Ongoing
4	Submerged fermentation of sorghum grains for preparation of food items	DST, New Delhi	25.4 Lakhs	3 years (2012-13)	Ongoing
5	Phylogenetic Study of Some Efficient Deoxyribonuclease Producing Bacteria from soil; Purification and Properties of Deoxyribonucleases	UGC, New Delhi	8.108 Lakhs	3 years (2010-11)	Completed
6	Evaluation of Minimum Inhibitory Concentration and Minimum Biofilm Eradicating Concentration of selected antibiotics in biofilm producing uropathogenic <i>E.coli</i>	UGC, New Delhi	1.7 Lakhs	2 years (2010-11)	Completed

## 20. Research facility / centre with

## S. N. Equipment

1. Shimadzu UV-Visible Spectrophotometer
2. Olympus biological microscope
3. Laminar Air Flow Bench
4. Vertical Autoclaves
5. Semi-automatic baby fermentor 2 L volumetric capacity
6. PCR
7. Refrigerators
8. Rotary shaker
9. Water baths
10. Centrifuge
11. Deep freeze
12. Incubators
13. B.O.D. Incubators
14. Mono-pan precision balance
15. Vacuum pump

16. Flame photometer
17. Fume hood and extraction system
18. Biosafety cabinet
19. Karl Zeiss Microscope
20. B.O.D. Incubator and shaker

21. Special research laboratories sponsored by / created by industry or corporate bodies

Nil

22. Publications:

22.1 Research Articles/Publication:

S. N.	Name of Authors	Title of Paper	Name of the Journal and Vol. No., Year, Page No.	Status National/ International	ISSN/ISBN No of Journal	Impact Factor(if any)	h-Index (if any)	Citation Index (if any)	Listed in International Database (if any)
2014-2015									
1	Tambekar DH, Chandurkar AY, Tambekar SD1	Partial characterization and optimization of alkaline Amylase from Bacillus spp. from Lonar Crater	IJAPBC – Vol. 3(2), Apr-Jun, 2014	International	ISSN: 2277 - 4688	--			
2	Tambekar DH, Tiwari AA, Tambekar SD1	Studies on Production of Antimicrobial Substances from BACILLUS Species Isolated from Lonar Lake	INDIAN JOURNAL OF APPLIED RESEARCH Volume : 4   Issue : 8   August 2014	International	ISSN - 2249-555X	Yes, IF 2.165			
3	Tambekar DH, Wardkar PA, Tambekar SD1	Bioremediation of chromium (vi) by haloalkaliphilic Bacteria isolated from alkaline lonar lake	IJPCBS 2014, 4(3), 601-605	International	ISSN: 2249-9504	Yes. IF1.5			
4	DHUNDAL E VR AND DH TAMBEEKAR	Isolation and characterization of a novel amylase from Bacillus pseudofirmus dw4(1)	Indian J.L.Sci. 4 (1) : 69-76, 2014	National	ISSN : 2277-1743 (Print) ISSN : 2278-7879 (Online)				
5	Tambekar D H, Bhosle S V and Bombode V	Isolation and partial characterization Of lipase from	Int. J. LifeSc. Bt & Pharm. Res. 2014	International	ISSN 2250-3137 www.ijlbpr.com	Yes. 2.63			

	B	bacillus pseudofirmus From alkaline lonar lake			Vol. 3, No. 3, July 2014				
6	Tambekar DH, Rajgire AV, Gaikwad JN.	Bioremediation of C1Compounds from Methylophilic Bacteria isolated from Lonar lake	IJAPBC – Vol. 3(3), July - Sep, 2014 ISSN: 2277 - 4688	International	ISSN: 2277 - 4688	Yes 2.63			
7	Tambekar D H, Zawar DP and Borkar PR	Detoxification of Phenol by Haloalkaliphilic Bacteria Isolated From Lonar Lake	INDIAN JOURNAL OF APPLIED RESEARCH Volume : 4   Issue : 6   June 2014	International	ISSN - 2249- 555X	Yes, IF 2.165			
8	Phirke, N. V.	Characterization of enriched cultures of nitrifying bacteria from black cotton soil of purna basin,	International J. of Advances in Pharmacy, Biology & Chemistry, (2014), 3(4): 860-866.	International	ISSN 2277-4688	Yes IF 4.976			
9	Khade, P. J. and Phirke, N. V.	Comparison between natural aambil production without and with curd,	International J. of Advances in Pharmacy, Biology & Chemistry, (2014), 3(4):847-850.	International	ISSN 2277-4688	Yes IF 4.976			
10	Phirke, N. V.	Remunerative Microbial Strategy for Enhancing Productivity through Biotech Approach in Farmer's Favour,	International J. of Advanced Biotechnolog y Research, (2014), 5(4):605-611.	International	ISSN 0976-2612	Yes, IF 1.506			
11	Phirke, N. V.	Terrestrial nitrification studies in the arid soils of Purna basin-a region specific research to arrest nitrate pollution,	Asian Resonance, (2014), 3(4): 93-98.	International	ISSN 0976-8602	Yes, IF 3.676			
12	Phirke, N. V.	Microbial inputs regime for the sustainable	Indian Journal of Applied Research,	International	ISSN 2249-555X	Yes, IF 2.165			



		production of banana,	(2014), 4(9): 443-448.						
13	Phirke, N. V.	Alterations among few of Varhadi flora and fauna against ever-changing unpredicted regional climate,	International J. for Research in Emerging Science and Technology (IJREST), (2014), 1(3):6-9.	International	ISSN 2349-7610	Yes			
14	Khade, P. J. and Phirke, N. V.	Attempts to study naturally prevailing lactic acid bacteria in fermentation of steeped sorghum grains,	Indian Journal of Applied Research, (2014), 4(9): 253-255.	International	ISSN 2249-555X	Yes, IF 2.165			
15	K.D.Kamble and D.K.Galerao	Indole acetic acid production from Pseudomonas species isolated from rhizosphere of garden plants	Int. J. of Advances in Pharma., Biol. and Chem. 4(1):23-31. Jan - Mar, 2015	International	ISSN: 2277 - 4688	4.976			
16	K. D. Kamble* and G.B. Wadule	Extraction of PHB and Bacteriorhodopsin from Anoxygenic Phototrophic Bacteria Isolated from Wadali Lake	Int. J. Pure App. Biosci. 2 (6): 201-208 (2014).	International	ISSN: 2320-7051	2.636			
17	Niraj A Ghanwate <sup>1</sup> , P V Thakare <sup>2</sup> , P R Bhise <sup>3</sup> , Swapnil Tayde <sup>1</sup>	Prevention of Biofilm Formation in Urinary Catheters by Treatment with Antibiofilm Agents	International Journal of Science and Research (IJSR) Volume 3 Issue 4, April 2014	International	ISSN (Online): 2319-7064	3.52			
2013-14									
1	P. N Rajankar, S. R. Wate, D. H. Tambekar, S. R. Gulhane.	Assessment of Groundwater Quality using Water Quality Index (WQI) in Wardha District	Journal of Environmental Science and Sustainability (JESS) 1 (2): 49 – 54, 2013	International	ISSN: 2321-5577				
2	Tambekar DH, Ingle	Isolation and Molecular	Bioscience Discovery,	International	(ISSN: 2229-3469 (Print).	Impact Factor=			

	MG and Rajgire AV	Detection of Methylothermophilus from Lonar Lake.	4(2): 176-181, July 2013			0.388			
3	Tambekar DH, Raut NS and Dhundale VR	Partial characterization and optimization of alkaline amylase production by bacillus circulans from Lonar Lake.	Bioscience Discovery, 4(2)202-207, July 2013	International	(ISSN: 2229-3469 (Print).	Impact Factor= 0.388			
4	Tambekar S D and D H Tambekar	Compatibility and wash performance analysis of Alkaline Protease from Bacillus pseudofirmus (JQ337958) with commercial detergents.	International Journal of Pharmaceutical, chemical and biological sciences; 2013, 3(3), 738-744	International	ISSN: 2249-9504	Global Impact Factor: 0.478			
5	Tambekar DH and VR Dhundale	Screening of antimicrobial potentials of haloalkaliphilic bacteria isolated from Lonar Lake.	International Journal of Pharmaceutical, chemical and biological sciences; 2013, 3(3), 820-825	International	ISSN: 2249-9504	Global Impact Factor: 0.478			
6	Tambekar DH and Gayakwad SS	Studies on bioremediation of chromium [VI] by bacteria isolated from alkaline Lonar lake, Maharashtra.	Science Research Reporter, 3(1): 87-90, April 2013	International	ISSN: 2249-2321				
7	Tambekar DH, Shende AM, Gunjekar SR and Gadakh PV	Isolation of biosurfactant producing Exiguobacterium sp. from Lonar Lake.	International Journal of Advances in Pharmacy, Biology and Chemistry 2(3), 438-442, 2013	International	ISSN: 2277 – 4688.)	Peer reviewed SJIF Impact Factor : 4.976			
8	Tambekar S D and D H Tambekar	Protease from Cohnella thermotolerans: A laundry additive.	International Journal of Advances in Pharmacy, Biology and Chemistry; 2(3)482-488, 2013	International	ISSN: 2277 – 4688.	peer reviewed SJIF Impact Factor : 4.976			

9	Tambekar D H and Shirsat S D	Role of hand washing and factors for reducing transmission of enteric infections among students of Amravati district.	Science Research Reporter, 3(2):175-182, Oct. 2013	International	ISSN: 2249-2321				
10	Tambekar DH and Ahir, MR	Water quality Index Assessment of Devotee places in Amravati Region	Indian Journal of Pharmaceutical Science & Research 2014: 4(1): 4-8.	International	(ISSN 2248-9118)	Peer reviewed SJI Factor: 3.316			
11	Prashant N. Rajankar, Dilip H. Tambekar, Satish R. Wate	Assessment of Indicator Parameters to Investigate the Seasonal Variation in Groundwater Quality of Chandrapur, Maharashtra, India.	Advances in Water Resource and Protection (AWRP) 1(3): 39-44, July 2013.	International	ISSN Online 2327-7602				
12	Vyawahare S. S. Kamble K.D., Waghmare V.D. and Kamble	L.Characterization of actinomycetes for some industrially important enzymes.	Trends in Biotechnology Research Vol. 2 (2):1-7	International	ISSN:2320-0421				
13	K. D. Kamble and M. A. More	Bacterial decolorization of acid yellow dye obtained from textile industry effluents.	Int. J. Pharma & Biosc. Oct; 4(4): (B) 763 – 769.	International	ISSN 0975-6299	Impact Factor-2.9			

## 2012-13

1	Tambekar DH, Shirsat SD	Minimization of illness absenteeism in primary school students using low-cost hygiene interventions.	Online J Health Allied Scs. 2012;11(2):7 (Apr-Jun 2012)	International	(ISSN 0972-5997).				
2	Tambekar DH, Dose PN, Gunjekar SR and Gadakh PV	Studies on Biosurfactant production from Lonar Lake's Achromobacter xylosoxidans	International Journal of advances in Pharmacy, Biology and Chemistry	International	(ISSN: 2277 – 4688)				

		Bacterium.	(2012) IJAPBC – Vol. 1(3), Jul- Sep, 2012						
3	Tambekar DH and A.V. Rajgire	Open defecation: A source of fecal pollution in drinking water.	(IJAPBS), Int J Adv Pharm Biol Sci Vol.2, Issue 3, 214-223	International	(ISSN 2249- 8966).				
4	Tambekar, DH, PS Bhorseand PV Gadakh	Biodegradation of phenol by native microorganisms isolated from Lonar Lake in Maharashtra state (India)	International Journal of life science and Pharma Research (2012). Vol 2/Issue 4/Oct- Dec 2012	International	(ISSN 2250- 0480).				
5	Tambekar DH, Dhundale VR	Phylogenic Analysis of Lipase Producing Bacteria using Physiological and Molecular Techniques from Lonar Crater	International Journal of Applied Microbiology Science, (IJAMS) 2012; 1(2); 24-31	International	(ISSN-2277- 6079).				
6	Tambekar DH and SA More	Antibiotic resistance analysis: A tool to identify the source of fecal contamination in rural drinking water of Amravati district.	Asiatic Journal of Biotechnolog y Resources (AJOB); 2012; 03 (10) 1435-1440	International	International				
7	Tambekar DH, and Dhundale VR	Phylogenetic analysis of amylase producing bacilli from extrimophilic environment.	Int. J. Lifesc. Bt & Pharm. Res. 2013: Vol. 2, No. 1, January 2013	International	ISSN 2250- 3137				
8	Tambekar D H and A L Pawar	Molecular characterization and Methylotrophic activities of Pseudomonas spp. from Lonar Lake.	Int. J. Life Sc. Bt & Pharm. Res. 2013. Vol. 2, No. 2, April 2013	International	ISSN 2250- 3137				
9	Tambekar D H and P V Gadakh	Biochemical and molecular detection of biosurfactant	Int. J. Life Sc. Bt & Pharm. Res. 2013. Vol. 2, No. 2,	International	ISSN 2250- 3137				

		producing bacteria from soil.	April 2013						
10	Tambekar D. H., S. D. Tale and P.R. Borkar	Bioremediation of phenol by haloalkaliphilic microorganisms isolated from Lonar Lake.	International Journal of Science, Environment and Technology (IJSET), 2:3, 2013,	International	ISSN 2278-3687				
11	Tambekar DH and Gadakh PV	Bioemulsifier production and molecular detection of pseudomonas spp. isolated from hydrocarbon contaminated soil.	International Journal of Science, Environment and Technology (IJSET), 2:3, 2013, 434 – 441.	International	ISSN 2278-3687				
12	Tambekar DH and Dhundale VR	Multienzyme producing haloalkaliphilic bacteria from Lonar Lake	Int J Pharm Bio Sci 2013 July; 4(3): (B) 1271 – 1276	International	(ISSN 0975-6299).				
13	Tambekar D. H., B. K. Tiwari, S. D. Shirsat and DS Jaitalkar	Antimicrobial potential and phytochemical analysis of medicinal plants from Lonar Lake.	International Journal of Life Sciences Biotechnology and Pharmacy Research (IJLBPR). Vol. 2, No. 3, July 2013	International	(ISSN 2250-3137 www.ijlbpr.com.)				
14	Tambekar DH, Mundekar SP and Bombode VB	Partial characterization and optimization of lipase production from Bacillus cereus isolated from haloalkaliphilic Lonar lake	International Journal of Life Sciences Biotechnology and Pharmacy Research (IJLBPR). Vol. 2, No. 3, July 2013.	International	(ISSN 2250-3137 www.ijlbpr.com).				
15	Tambekar D. H. and B. B. Neware	Water quality index (WQI) and multivariate analysis for groundwater quality assessment of villages of rural India.	Science Research Reporter 2(3): 229-235, Oct. 2012	International	(ISSN: 2249-2321 (Print))				

16	Tambekar DH, DS Jaitalkar and MV Kavitkar	Studies on Antibacterial potential of medicinal plants from Lonar Lake.	Science Research Reporter 2(3): 268-273, Oct. 2012	International	(ISSN: 2249-2321 (Print)				
17	Tambekar Sandhya and Tambekar DH	Optimization of the production and partial characterization of an extracellular alkaline protease from thermo-halo-alkalophilic lonar lake bacteria	Bioscience Discovery, 4(1): 30-38, Jan. 2013	International	ISSN: 2229-3469 (Print)				
18	Kamble K. D. and P.V.Gadakh	Obtaining deoxyribonucleases from soil bacterium belonging to Aeromonas species	Research Journal of Biotechnology, (2012), Vol 7(4):88-95.	International	Print ISSN : 0973-6263 E-ISSN: 2278 - 4535				
19	K.D. Kamble and V.S. Pinjare	Extra-cellular Ribonuclease Production from Pseudomonas species.	Asian Journal of Exp. Biological Sciences. (2012), 3(4):810-815.	International	ISSN: 0975-5845				
20	K.D. Kamble and P.J. Khade	Studies on antineoplastic enzyme producing bacteria from soil.	Int J Pharm Biomed Res. (2012), Vol. 3(2): 94-99.	International	ISSN:0976-0350				
21	Kamble K.D. and Hiwarale V.D.	Prodigiosin production from Serratia marcescens strains obtained from farm soil.	Int. Journal of Environ. Sciences. (2012), Vol 3 (1): 631-638.	International	ISSN: 0976-4402				
22	Kamble K.D. and Deshmukh S.M.	Influence of Metals on Activity of Extracellular Deoxyribonuclease Produced by Aeromonas species	Int. J. Res. Chem. Environ. (2012), 2(4): 29-33.	International	EISSN: 2248-9649				
23	Ghanwate N. A.	Study on biofilm production by uropathogenic Escherichia coli isolated from tertiary health care centers of	Journal of Pure and Applied Microbiology, June 2012, 6 (2), 875-879	International	ISSN 0973-7510				

		Vidarbha and its correlation with antibiotic susceptibility.							
24	Ghanwate N. A.	Biofilm eradication studies on uropathogenic E. coli using ciprofloxacin and nitrofurantoin	International journal of pharmaceutical and biomedical research. 2012, 3(2), 127-131	International	ISSN 0976-0350				
25	Ghanwate N. A.	Prevention of Biofilm formation in Urinary Catheter by coating Enzymes/ Gentamycin/EDT A	World Academy of Science, Engineering and Technology 70, Oct 2012, 739-741	International	ISSN 2010-376X				
2011-12									
1	Rajankar, P. N, D. H Tambekar, and S. R. Wate	Seasonal variation in groundwater quality of Yavatmal district.	E- Journal of Chemistry, 2011, 8(2), 870-874.	International	(ISSN: 0973-4945)				
2	Tambekar, D. H. and S. B. Dahikar	Screening of some Herbal preparations used in Indian Ayurvedic medicine for its antibacterial potentials	International Journal of Pharmaceutical Sciences and Research 2011, 2(2): 311-318 .	International	(ISSN: 0975-8232).				
3	Tambekar D.H., Kulkarni R.V., S.D. Shirsat and D.G. Bhadange.	Bacteriological Quality of street vended food Panipuri: A case study of Amravati city.	Bioscience Discovery 2 (3):350-354, July 2011	International	(ISSN: 2229-3469) (Print)				
4	Tambekar DH, Shirsat SD, Bhadange DG	Drinking water quality deterioration in households of students with high illnessabsenteeism .	The Online Journal of Health and Allied Sciences (OJHAS). 10 (2), 2011	International	(ISSN 0972-5997)				
5	Tambekar, D. H., R.V Patil and	Studies on methanotrophs from Lonar Lake.	Journal of Research in Biology,	International	Print: 2231 – 6280				

	A.L. Pawar		2011, 3: 230-236						
6	S. A. Bhutada, S. B. Dahikar and D. H. Tambekar	Probiotic potential of commercial available probiotic preparations in Prevention of enteric bacterial infections: an in-vitro study.	International Journal of Pharmaceutical Sciences Review and Research. 9(2), 2011; Article-002: 7-11	International	(ISSN 0976 – 044X)				
7	Tambekar, D. H. and Tambekar SD.	Partial characterization and optimization of protease production from newly isolated Cohnella thermotolerans from Lonar Lake.	Journal of Research in Biology, 2011, 4: 292-298	International	.Print: 2231 – 6280; Online:2231-6299.				
8	Rajankar, P. N, D. H. Tambekar, D.S. Ramteke and S. R. Wate	Statistical Assessment of Groundwater Resources in Washim District.	Journal of Environmental Science and Engineering. 53(1): 81-84, 2011.	International	2353-8765				
9	Tambekar, D. H. and Tambekar SD.	Partial characterization and optimization of alkalineProtease production of Bacillus pseudofirmus from Lonar Lake.	International journal of advance pharmaceutical and biological sciences 2012, 2 (1) 2012	International	(ISSN 2249 – 8966).				
10	Tambekar D H and V R Dhundale.	Studies on the physiological and cultural diversity of bacilli characterized from Lonar Lake (ms) India.	Bioscience Discovery, 3(1): 34-39, Jan. 2012	International	ISSN: 2229-3469 (Print).				
11	Tambekar Dilip and VishalDhundale	Isolation and characterization of antibacterial substance produced by bacilli isolated from Lonar lake.	International Journal of Research and Reviews in Pharmacy and Applied science, 2(1)., 41-54: 2012	International	(ISSN 2249-1236).				
12	Tambekar DH and PV	Isolation and characterization of	Int J Adv Pharm Biol	International	(ISSN 2249 – 8966).				



	Gadakh	biosurfactant-producing Bacteria isolated from petroleum contaminated soil.	Sci Vol.2, Issue 2, 135-140 (2012)						
13	Tambekar S.D. and Tambekar D.H.	Physico-chemical properties and production dynamics of Alkaline protease of <i>Bacillus odysseyi</i> (JQ337959) isolated from Lonar Lake.	Int J Adv Pharm Biol Sci Vol.2, Issue 2, 161-170 (2012)	International	(ISSN 2249 – 8966)				
14	Tambekar, D. H. and S. B. Dahikar	Antibacterial efficacy of Some Indian Ayurvedic Preparation against enteric bacterial pathogens.	Journal of Advanced Pharmaceutical Technology & Research, Jan-Mar 2011, 2(1), 24-29.	International	(ISSN: 2231-4040)				
15	Phirke, N. V.	Bioconversion of banana orchard waste into an effective soil conditioner by solid substrate fermentation, 2:150-159.	Life Sciences Leaflets	International	ISSN 0976 - 1098 (Refereed, indexed)				
16	K.D. Kamble	Prediction of Better Deoxyribonucleic Acid Hydrolase Producing Bacterium among Pigmented and Non-pigmented <i>Serratia marcescens</i> Strains from Soil.	Biosciences Biotechnol. Research Arch Asia Vol 08 (1):307-311.	International	ISSN: 0973-1245				
17	K.D.Kamble, L. H. Kamble and M. Musaddiq	Optimization of pH and temperature for deoxyribonuclease producing bacteria obtained from soil.	Bioscience Discovery, 2 (3): 378-385.	International	ISSN 2229-3469				
18	A.P.Hiwale and K. D. Kamble	Effect of aeration on deoxyribonuclease production by	Indian Streams Research Journal, 1	International	ISSN No : 2230-7850				

		pigmented strain of <i>Serratia marcescens</i> .	(11):1-4.						
19	Ghanwate, N. A.	Occurrence of extended spectrum $\beta$ -lactamases among <i>E. coli</i> and <i>Klebsiella pneumoniae</i> isolated from urinary tract infection from tertiary health care center in Amravati district.	Bioscience, Biotechnology Research Asia, 8(2)	International	ISSN 0973-1245				
20	Ghanwate, N. A.,	Antimicrobial and synergistic activity of ingredients of betel quid on oral and enteric pathogens.	Bioscience Discovery, 3 (1) Jan. 2012,	International	ISSN 2229-3469				
2010-11									
1	Phirke, N. V. Mahorkar, V. K. and R. M. Kothari	Sustainable Banana ( <i>Musa spp.</i> ) Production in Tapi basin: Khandeshi farmer's livelihood,	Acta Horticulturae (ISHS),879 (2): 517-525	International	ISSN 0567-7572				
2	Rajankar, P. N, S. R. Gulhane, D. H Tambekar, and S. R. Wate	Application of Water Quality Index to Monitor Groundwater Quality in Nagpur City	Asian Journal of Water, Environment and Pollution). 2010: 7(2): 89-92	International	(ISSN: 0972-9860 (Print) 1875-8568 (online).				
3	Tambekar DH and Khante BS	Antibacterial properties of traditionally used medicinal plants for enteric infections by Adivasi's (Bhumka) in Melghat forest (Amravati district).	International Journal of Pharmaceutical Sciences and Research, 2010: 1 (9):120-128	International	ISSN: 0975-8232)				
4	Tambekar, D. H. and S.A. Bhutada	Acid and bile tolerance, antibacterial	Recent Research in Science and	International	(ISSN 2076-5061)				

		activity, antibiotic resistance and bacteriocins activity of Probiotic Lactobacillus species.	Technology, 2010, 2(4): 94-98)						
5	Tambekar, D. H. and S. B. Dahikar	Antibacterial Potential of Some Herbal Preparation: An Alternative Medicine in Treatment of Enteric bacterial Infection.	International Journal of Pharmacy and Pharmaceutical Sciences, 2010 2 (4): 176-179: 2010	International	(ISSN- 0975-1491)				
6	Tambekar, D.H. and S. B. Dahikar	Screening antibacterial activity of some Bhasma (metal-based herbal medicines) against enteric pathogens	Recent Research in Science and Technology, 2010, 2(10): 59-62	International	(ISSN: 2076-5061)				
7	Tambekar, D. H. and S.A. Bhutada	).An evaluation of probiotic potential of Lactobacillus sp. from milk of domestic animals and commercial available probiotic preparations in prevention of enteric bacterial infections.	Recent Research in Science and Technology, 2010, 2(10): 82-88	International	(ISSN: 2076-5061)				
8	S. B. Dahikar, S.A. Bhutada, S. K. Vibhute, V.C. Sonvale, D. H. Tambekar, S.B.Kasture	Evaluation of antibacterial potential of Trikatu churna and its ingredients: An in vitro study.	International Journal of Phytomedicine, 2010: 2: 412-417	International	(ISSN: 0975-0185)				
9	Tambekar, D. H. and S. B. Dahikar		Journal of Chemical and Pharmaceutical Research, 2010, 2(5): 494-501	International	(ISSN No: 0975-7384)				
10	Tambekar, D. H. and S.	Screening of some Herbal	Journal of Advanced	International	(ISSN: 2231-4040)				

	B. Dahikar	preparations used in Indian Ayurvedic medicine for its antibacterial potentials	Pharmaceutic al Technology & Research, Jan-Mar 2011, 2(1), 24-29.						
11	Rajankar, P. N, D. H. Tambekar, and S. R.Wate,	Groundwater Quality and Water Quality Index at Bhandara District.	E- Journal of Chemistry, 2011, 8(2), 870-874.	International	(ISSN: 0973-4945)	(Impact Factor: 0.716)			
12	Tambekar DH, Shirsat SD, Bhadange DG	Drinking water quality deterioration in households of students with high illnessabsenteeism .	The Online of Online Journal of Health and Allied Sciences, Vol. 10 (2), April – June 2011	International	(ISSN 0972-5997)				
13	Tambekar, D. H. and S. B. Dahikar	Screening of some Herbal preparations used in Indian Ayurvedic medicine for its antibacterial potentials	International Journal of Pharmaceutic al Sciences and Research, 2011, 2(2): 311-318	International	(ISSN: 0975-8232).				
14	Tambekar DH and Khante BS	Antibacterial evaluation of medicinal plants used by Korkus in Melghat forest against gastrointestinal infections.	International Journal of Pharmaceutic al Sciences and Research, 2011; Vol. 2(3): 577-583	International	(ISSN: 0975-8232).				
15	S. B. Dahikar, S. A. Bhutada, D. H. Tambekar, S. K. Vibhute, S. B. Kasture	Evaluation of antibacterial potential of Trikatu churna and its ingredients: An in vitro study.	International Journal of Pharmaceutic al Sciences and Drug Research, 2011; 3(1): 32-34	International	(ISSN 0975-248X)				
16	Tambekar, D. H., R.V Patil and A.L. Pawar	Studies on methanotrophs from Lonar Lake.	Journal of Research in Biology, 2011, 3: 230-236	International	(ISSN: Print: 2231 –6280; Online:2231-6299.				
17	NA Ghanwate,A W Raut, AG Doshi	Synthesis and antimicrobial properties of flavone imines	Oriental journal of chemistry, 24(2); 721-	International	ISSN 0970-020X		3		

			724.						
18	NA Ghanwate, AW Raut, AG Doshi	Synthesis and antimicrobial activity of chalcone imines.	Oriental journal of chemistry, 24(2); 733- 736.	International	ISSN 0970- 020X				
19	K. D. Kamble, D.K. Koche and M. Musaddiq	Search of efficient DNase Producing Bacteria from soil	Deccan Current Science Vol.3 (2) pp 162- 169.2010	International	ISSN0975- 3044				
20	D.K. Koche, D.G.Bhanda nge and K. D. Kamble (2011)	Antibacterial activity of three medicinal plants	Bioscience Discovery Vol 02, No. 1, 2011	International	ISSN 2229- 3469				

## 22.2 Books Written/ Edited:

Nil

## 22.3 Monographs/ Chapters in Book/s Written/Edited:

Nil

## 22.4 Publications in Conference/Seminar Proceedings:

S. N.	Name of Authors	Title of Paper	Name of the Conference/Seminar/Workshop	Status National/ International	ISSN/ISBN No (if any)	Name of Organizing Agency	Duration and Date	Volume and Page No. of Proceedings
2013-14								
1	Phirke, N. V.	Strengthening and Promoting Indian Rural Industrialization through Microbial Biotechnology	UGC Sponsored National Conference on NEW INSIGHTS OF MICROBIAL BIOTECHNOLOGY (NIMB – 2013)	National	ISBN : 978-93-82414-45-2	College of Science, Dhule	8th - 9th February 2013	Vol (Editor: Dr. Nitinkumar P. Patil and Mr. Harshal M. Bhamare), 5-15
2012-13								
1	Tambekar, D. H.	Safe Drinking water: A movement toward assessment of Microbial pollution by Modified Rapid field test in Rural community	UGC Sponsored National Conference on Innovative Research Trends in Biological Sciences	National	ISBN: 978-81-923621-0-6	Shri Shivaji College of Arts, Commerce and Science, Akola-444 001	September 8-9, 2012	Vol.1: 766-768.

2	Phirke, N. V.	Inherited significance of organic matters and composts in sustainable soil fertility,	National conference on recent trends in biosciences (RTIBS-2012),	National	978-81-922866-1-7	G.S. College of Arts, Commerce and Science, Khamgaon-444 303	27 <sup>th</sup> - 28 <sup>th</sup> July 2012	pp. 73-78.
3	Phirke, N. V.	Judicious application of fly ash does not affect soil fertility and productivity	National conference on Innovative Research Trends in Biological Sciences (NCIRTBS-2012),	National	978-81-923621-0-6	Shri Shivaji College of Arts, Commerce and Science, Akola-444 001	September 8-9, 2012	pp. 674-680.
4	D.K.Kochre, K.D. Kamble, R.P.Sirsat, J.S.Jasutkar and M.J.Naise	Antibacterial activity of some medicinally important Lamiaceae members from Maharashtra (India). Innovative Research Trends in Biological Sciences Vol.1: 761-766.	Innovative Research Trends in Biological Sciences	National	ISSN:978-81-923621-0-6	Shri Shivaji College of Arts, Commerce and Science, Akola-444 001	September 8-9, 2012	Vol.1: 761-766.

23. Details of patents and income generated

Nil

24. Areas of consultancy and income generated

Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

Nil

26. Faculty serving in

a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Nil

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

➤ Faculties are motivated to attend Refresher/ Orientation/ Workshops/ Specialized Training Programmes/ Industrial Interaction to achieve excellence in teaching and research.

28. Student projects

▪ percentage of students who have done in-house projects including inter-departmental projects - 100

▪ percentage of students doing projects in collaboration with other universities / industry / institute - Nil

## 29. Awards / recognitions received at the national and international level by

- Faculty - Nil
- Doctoral / Post Doctoral Fellows – Nil
- Students – Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.  
Nil

## 31. Code of ethics for research followed by the departments

- Sincerity and transparency in research to attain excellence through knowledge cooperation.

## 32. Student profile programme-wise:

Year	Admitted to First Year of the Course			Pass Percentage of Students	
	Boys	Girls	Total	Boys	Girls
2014-15	6	20	26	--	--
2013-14	6	23	29	83.33	95.65
2012-13	5	25	30	60	80
2011-12	8	16	24	62.5	100
2010-11	8	20	28	87.5	95

## 33. Diversity of students

Name of the Programme	Year	Percentage of students from the same university	Percentage of students from other universities within the State	Percentage of students from Universities outside the State	Percentage of students from other countries
M.Sc. (Microbiology)	2014-15	80.77	19.23	00	00
	2013-14	96.55	3.45	00	00
	2012-13	83.33	16.67	00	00
	2011-12	79.17	20.83	00	00
	2010-11	92.86	7.14	00	00

## 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

- NET/SET/ -12
- GATE - 02

## 35. Student progression

Student Progression	Percentage against enrolled
UG to PG	96%
PG to M. Phil.	Nil
PG to Ph.D.	5%
Ph.D.to Post Doctoral	Nil
Employed	
▪ Campus Selection	Nil
▪ Other than campus recruitment	Nil
Entrepreneurs	NA

## 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	50
from other universities within the State	50
from universities from other States from	0
universities outside the country	0

## 37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

➤ One, Dr K. D. Kamble was awarded Ph.D. during assessment period.

## 38. Present details of departmental infrastructural facilities with regard to :

- Library – Adequate books and journals are housed in central library.
- Internet facilities for staff and students – Available.
- Total number of class rooms – Two each for M.Sc. Part-I and II
- Class rooms with ICT facility – Available.
- Students' laboratories – Two each for M.Sc. Part-I and II
- Research laboratories – One for Ph.D.

## 39. List of doctoral, post-doctoral students and Research Associates :

- from the host institution/university

Mr. S.B. Dahikar	Studies on Antibacterial Potential of some Ayurvedic Herbal Preparations available in India (2010)
Mr.P.N.Rajankar	Studies on bacteriological water quality indexing of deep ground water resources of Vidarbha region (2011)
Ms.S.A. Bhutada	Comparative study of Probiotic bacteria from milk of domestic animals with significance in prevention of enteric pathogens (2011)
Ms.B.S.Khante	Antimicrobial properties of traditionally used medicinal plants for enteric infections by Adivasi (Bhumka) in Melghat forest (Amravati District) (2011)
Ms.S.D. Tambekar	Study on optimization and dynamics of extracellular thermostable Alkaline proteases production from thermophilic and alkaliphilic Bacillus species from Lonar lake (25 <sup>th</sup> January 2012)
Mr.V.R.Dhundale	Phylogenic analysis of culturable spore bearing Thermostable alkaline aerobic Bacilli species from Lonar Crater (24.9.2013)
Ms. S.D.Shirsat	Studies on influence of hand washing on reduction and minimization of transmission of bacterial enteric infections among the school children in urban areas of Amravati district. (17 <sup>th</sup> January, 2014)
Mr. M.R. Ahir	Studies on incidences of spread of Disease through contaminated water at devotee



	places in Amravati Region ((28 <sup>th</sup> Feb., 2014)
Mr. P.V.Gadakh	Studies on biosurfactants production by bacterial isolates from petroleum contaminated soil (28 <sup>th</sup> Feb., 2014)
Mr. S.R. Gunjekar	Studies on bio-surfactant production from bacterial isolates of LonarLake. (28 <sup>th</sup> Feb., 2014)
Mr. A.L. Pawar	Temporal and spatial Bacterial diversity of Methanotrophs from LonarLake. ((28 <sup>th</sup> April, 2014)
Mr. D.S. Jaitalkar	Assessment of phytochemical content, polyphenolic composition, antioxidant and antibacterial activities of medicinal plants in LonarLake forest. (18.02.2015)

b. from other institutions/universities : Nil

40. Number of post graduate students getting financial assistance from the university: Nil
41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. NA.
42. Does the department obtain feedback from
- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Put before the BOS committee and sort out.
  - Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Put before the BOS committee and sort out.
  - Alumni and employers on the programmes offered and how does the department utilize the feedback? Put before the BOS committee and sort out.
43. List the distinguished alumni of the department with their designation and address
- | S. N. | Name                | Designation          | Address   |
|-------|---------------------|----------------------|---|
| 1     | Dr. S. B. Dahikar   | Principal            | College of Science, Kopargaon                             |
| 2     | Dr. S. A. Bhutada   | Lecturer             | College of Science, Kopargaon                             |
| 3     | Dr. U.A. Bidwai     | Assistant Professor  | J.B. Science College, Wardha                              |
| 4     | Dr. Pranita Gulhane | Assistant Professor  | Shri Shivaji Science College, Nagpur                      |
| 5     | Dr. Naveen Hirulkar | Assistant Professor  | Nabira College, Katol                                     |
| 6     | Dr. S. D. Tambekar  | Assistant Professor  | Dhote Bandhu Science College, Gondia                      |
| 7     | Dr. V. R. Dhundale  | Assistant Professor  | New arts and science College, Ahmednagar                  |
| 8     | Dr. S. D. Shirsat   | Technical Assistance | Food Corporation of India, Manmad                         |
| 9     | Dr. P. V. Gadakh    | Assistant Professor  | Arts, Science and Commerce college, Badnapur, Dist. Jalna |
| 10    | Mr. R. P. Thakre    | CSIR-JRF             | LSS 201, Microbiology division, CSIR-CDRI, Luknow         |
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts. : Nil
45. List the teaching methods adopted by the faculty for different programmes.
- Alongwith traditional methods, ICT are adopted.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?  
 \*The planning of teaching learning process was prepared by faculty members at the beginning of the session, executed and monitored consistently through various departmental committees as well as through the examination.
47. Highlight the participation of students and faculty in extension activities.  
 ➤ NSS, Social gathering, educational tour etc.
48. Give details of “beyond syllabus scholarly activities” of the department.  
 Nil
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.  
 No
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.  
 ➤ The department promotes varied research programs focused on contemporary issues of basic and applied concepts in Microbiology, particularly on Biofertilizers, Water microbiology, Municipal solid waste management, Fermentations, Soil Microbiology, Environmental Microbiology, Molecular biology and Medical Microbiology and provides consultative expertise in solving problems relating to interactions among humans, plants, animals and the environment.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.
- Strengths:**
- Qualified staff
  - Conducting extra mural projects
  - Socially relevant research
- Weaknesses:**
- Inadequate infrastructural facilities
  - Inadequate staff
- Opportunities:**
- Industrial placements
  - Production of biofertilisers in surrounding region
  - Awareness of water hygiene
  - Development of Agrobased technology for farmers
  - Development fermented food products.
- Challenges:**
- To impart scientific temperament among the students
  - To bestow a self confidence on them for establishing entrepreneurship
  - To enrol PG students for research degree programs like Ph.D.
  - Microbial technology transfer from Lab to Land
52. Future plans of the department.  
 The department should be shifted to new building with dust and germ-free laboratories.

## Evaluative Report of the Department

1. Name of the Department : **Marathi**

2. Year of establishment : 1994

3. Is the Department part of a School/Faculty of the university?  
NA

4. Names of programmes offered :

Level of the Programme	Name of the Programme	Duration	Intake capacity	Faculty
P. G.	M. A. (Marathi)	2 years	80	Arts
Doctoral	Ph.d	--	8 / supervisor	Arts

5. Interdisciplinary programmes and departments involved  
Nil

6. Courses in collaboration with other universities, industries, foreign institutions, etc.  
Nil

7. Details of programmes discontinued, if any, with reasons  
Nil

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System  
Annual

9. Participation of the department in the courses offered by other departments  
No

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	01	01	01
Associate Professor	01	01	03
Assistant Professor	03	03	01
Other (Specify)	--	--	--

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

S. N.	Name	Qualification	Designation	Gender (M/F)	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 years
1	Dr. Manoj Tayade	M.A., B.Ed., M.Phil., Ph.D.	Professor & Head of the Department	M	Arvachin Kavita	27 yrs	03
2	Dr. Mona Chimote	M.A., B.Ed., Ph.D.	Associate Professor	F	Marathi Science Fiction	14 yrs	07
3	Dr. Madhav Putwad	M.A., M.Ed., NET, Ph.D.	Associate Professor	M	Gramin Sahitya	14 yrs	05
4	Dr. Hemant Khadke	M.A., D.C.E., Ph.D.	Assistant Professor	M	Arvachin Kavita	15 yrs	06
5	Dr. Pranav Kolte	M.A., SET, Ph.D.	Assistant Professor	M	Arvachin Kavita	15 yrs	NA

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors  
Nil

13. Percentage of classes taken by temporary faculty – programme-wise information

S. N.	Year	No. of CHB	Percentage of Classes taken by Temporary Faculty
1	2011-12	03	16.66
2	2010-11	03	16.66

14. Programme-wise Student Teacher Ratio

S. N.	Year	Student Teacher Ratio
1	2014-15	11 : 1
2	2013-14	12 : 1
3	2012-13	15 : 1
4	2011-12	12 : 1
5	2010-11	15 : 1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Nil

## 16. Research thrust areas as recognized by major funding agencies

- Research thrust areas
  - Korku Culture : Language and Literature
  - Marathi Science Fiction
  - Poetics in Modern Marathi
  - Gramin Sahitya
  - Modern Marathi Literature

## 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

S. N.	Name of Faculty (PI/Co-PI)	Title of Project	Funding Agency	Total Grants Sanctioned (in Rs.)	Status National/International	Duration & Year of Sanction	Ongoing/Completed
1	Dr. Mona Chimote	Anuvadit Vidnyan Kathatma Sahityacha Marathi Vidnyan Kathatna Sahitya Yavaril Parinam	UGC	2,88,000/-	National	2 years (2012-13)	Completed
2	Dr. Madhav Putwad	Dictionary of Agricultural Concepts in Maharashtra	UGC	6,38,186/-	National	2 years (2011-12)	Completed
3	Dr. Hemant Khadke	Poetics in Modern Marathi	UGC	5,38,186/-	National	2 years (2011-12)	Completed
4	Dr. Manoj Tayade	Study of Varhadi Boli (Dialect) and Dictionary	Maharashtra Rajya Sahitya Ani Sanskuti Mandal, Mumbai	6,25,000/-	National	3 years (2011-12)	Completed

## 18. Inter-institutional collaborative projects and associated grants received

- a) National collaboration                      b) International collaboration: Nil

## 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Nil

## 20. Research facility / centre with

Nil

## 21. Special research laboratories sponsored by / created by industry or corporate bodies

Nil

## 22. Publications:

## 22.1 Research Articles/Publication:

S. N.	Name of Authors	Title of Paper	Name of the Journal and Vol. No., Year, Page No.	Status National/ International	ISSN/I SBN No of Journal	Im pac t Fa cto r	h-Ind ex	Cit atio n Ind ex	Liste d in Inter nation al Data base
2014-2015:									
1	Dr. Manoj Tayade	Shikshan Vyavastha : Samkalin Vastav	Akshargatha, Jul-Oct, 2014, P. No. 65-72	National	ISSN 0976-2957				
2	Dr. Mona Chimote	Swachchatecha Sanskar : Sant Gadge Baba	Vedantshree, Oct 2014-2015,(Annual), P. No. 129-132	International					
		Samakalin Marathi Vidnyankatha	Lokdeep, 2014(Annual), P. No. 15-25	National					
3	Dr. Madhav Putwad	Ramayan ya Mahakavyacha Karta Kavi Valmiki :Rushi ki Koli?	Sarvadhara, Vol. 2, Jun 2014, P. No. 32-51	National	ISSN 2249-3034				
		Lokbhasha Ani Loksanskritiche Vastav	Aakalan, Vol. 1, Dec. 2014, P. No. 21-39	National					
		SHikshanvyavastheche Samakalin Vastav va Sant Gadge Baba Amravati Universititil Padvyuttar Marathicha Abhyaskram	Akshargatha, Vol. 2-3, Oct 2014, P. No. 31-50	National	ISSN 0976-2957				
2013-2014:									
1	Dr. Mona Chimote	Vaidarbhiya Kadambaritil Shetakari Samasyanche Chitran	Pailu,Vol. 1, Apr-May-Jun 2013, P. No. 11-19	National					
		Jagatikikaran Ani Marathi Kavitetil Stri Chitran	Akshar Vangmay, Vol. 4, Apr-May-Jun 2013, P. No. 37-49	National	ISSN 2229-4929				
		Tal Dhavaltana : Ek Aakalan	Bhoomi, Jul 2013, P. No. 59-63	National					
		Marathi Vidnyankathetil Lekhikanche Yogadan	Aajacha Sudharak, Jul 2013, P. No. 166-170	National					
		Kavitela Kuthalehi Vishay Varjya Nasato (Mulakhat Vasant Aabaji Dahake)	Apurvai, Annual DIwali, 2013, P. No. 56-71	National					

		'Un Paus' madhil Strichitran	Seena Tir, Deepavali Special Issue, Nov. 2013, P. No. 56-58	National					
		Muslim Manacha Utkat Aavishkar : Azim Navaz Rahi Yanchi Kavita	Aajacha Sudharak, Nov. 2013, P. No. 387-391	National					
2	Dr. Madhav Putwad	Gavmanasanche Vad Sauvad	Murali, Vol. 55, May 2013, P. No. 28-32	National	ISSN 2250-1649				
		Loksanskritiche Bhashyakar : Dr. Da Ta Bhosale	Navabharat, Vol. 8, Jun 2013, P. No. 26-39	National					
		Gavmanatil Devbhakti Ani Bhootbhati	Murali, Vol. 57, Jul 2013, P. No. 21-26	National	ISSN 2250-1649				
		Marathi Bhasha Va ticha Abhijat Darja	Akshargatha, Vol. 3, Oct 2013, P. No. 84-97	National	ISSN 0976-2957				
3	Dr. Hemant Khadke	Bhalachandra Nemade Yancha Kavyavichar	Kavita-Rati, P. No. 117-121	National	ISSN 2278-9243				
2012-2013:									
1	Dr. Manoj Tayade	Pu La Deshpande yanchi Vyaktichitre	Sarvadhara, Jul-Aug-Sept 2012, P. No. 26-34	National	ISSN 2249-3034				
		Deshibhasha : Pravas Ani Bhavitavya	Akshargatha, Jul 2012, P. No. 18-20	National	ISSN 0976-2957				
		He Dukha Anavar Ata Paratichya Margavarati	Yugavani, Jul-Aug-Sept 2012, P. No. 121-122	National					
		Vidyapithat Marathichi Sthiti	Tarun Bharat, Oct 2012, P. No. 95-105	National					
		'Bap' Samjava mhanun	Pailu, Jul-Sep 2012, P. No. 3-9	National					
		Gautam Buddha Ani Gadge Baba	Shivsansta, Dec. 2012, P. No. 23-25.	National					
2	Dr. Mona Chimote	Maruti Chitampali Yanchya Sahityatil Strirupe	Stree, Vol. 930, Sept 2012, P. No. 8-15	International					
		Vi Va Shirvadkaranchi Anuvadit Natake	Pratishthan, Vol. 4, Jul-Aug 2012, P. No. 12-25	National					
		Marathi Kavita Pureshi Samrudha Aahe.	Hindusthan, Dipotsav 2012, P. No. 43-50	National					
3	Dr. Madhav Putwad	Marathi Sahityavyavahar Ani prasar madhyama : Disha Ani Dasha	Akshargatha, Vol. 3, Oct 2012, P. No. 24-38	National	ISSN 0976-2957				
		Sahityavyavahar Ani Abhiruchi	Sarvadhara, Vol. 1, Mar 2013, P. No. 15-31	National	ISSN 2249-3034				
		Dharmachikitsa Va Ihavadi Tattvavetta : Dr. Aa Ha Salunkhe	Akshargatha, Vol. 4, Jan 2013, P. No. 34-45	National	ISSN 0976-2957				

		Gavala Zaleli Karani	Murali, Vol. 53, Mar 2013, P. No. 21-25	National	ISSN 2250-1649				
4	Dr. Hemant Khadke	Hi Mazi Rit Nirali (Grace Yanchya Charchabekcha Abhyasa)	Vishakha, P. No. 137-142	National					
		Arvachin Kavinchya Kavyavicharache Saar	Kavyagraha, P. No. 36-41	National					
2011-2012:									
1	Dr. Manoj Tayade	Tirthi Dhaonda Pani, Dev Rokada Sajjani	Aatmabhan, Jan-Jun 2012, P. No. 26-37	National	ISSN 2229-6379				
2	Dr. Mona Chimote	Marathi Vidnyan Katha	Aksharvaidarbhi, Jul 2011, P. No. 22-36	National	ISSN 0976-0296				
		Striyanchya Sahityatil Abhivyakti	Stree, Vol. 920, Aug 2011, P. No. 4-9-45	International					
		Saryach Kalyanna Janma Siddha Hakka Aahe Fulnyacha	Yugavani, Oct, Nov, Dec 2011, P. No. 11-26	National					
		Sant Gadge Baba Amravati Vidyapithatil Loksahityache Sancshodhan : Swarup va disha	Aamachi Shreevani, Oct 2011-Jan 2012, P. No. 16-22	National	ISSN 978-93-81432-08				
		Vasant Aabaji Dahake Yanchya Kadambarya : Kosalnarya Kalacha Dastaaievaj	Yugavani, Jan, Feb, Mar 2012, P. No. 51-57	National					
3	Dr. Madhav Putwad	Marathitil Paurani Kadambari : Nava Anvayartha	Akshargatha, Vol. 1-2, Jul 2011, P. No. 69-89	National	ISSN 0976-2957				
		Manasa Aani Gaigura	Murali, Vol. 40, May 2011, P. No. 14-19	National	ISSN 2250-1649				
		Kusumagrajanchi Samajabhimukh Vaicharik Kavita	Sarvadhara, Vol. 2, Jun 2011, P. No. 14-24	National	ISSN 2249-3034				
		Bhrashtachar : Kalpana, Vastav Ni Shakyata	Kirloskar, Vol. 1048, Jun 2011, P. No. 4-9-13	International					
		Dongar Poraka Zala	Murali, Vol. 43, Aug 2011, P. No. 20-25	National	ISSN 2250-1649				
		Indrajeet Bhalerav Yanchya Kavitetil Streechitran	Yugavani, Vol. 3, Dec 2011, P. No. 27-36	National					
		Marathvada Boliche Badalate Sandarbha	Akshargatha, Vol. 4, Jan 2012, P. No. 26-32	National	ISSN 0976-2957				



2010-2011:									
1	Dr. Manoj Tayade	He Narayana, Aamhi Lakshat Theu Tuzya Khanakuna	Akshar Vangmay, Sept-Oct-Nov 2010, P. No. 34-38	National	ISSN 2229-4929				
		Aisi 'Tyachi' Mati Thor	Sthitapradnya, Jun 2010, P. No. 56-58	National					
		Madhumalticha Sugandhi Aashirvad	Bhoomi, Oct 2010, P. No. 21-26	National					
2	Dr. Mona Chimote	Aadhunik Marathi Kavinchya Kavitetil Streechitran	Sarvadhara, Oct, Nov, Dec. 2010, P. No. 21-27	National					
		Samajik, Rajakiya Aani Shaikshanik Parshavbhoomi Asaleli kahi stree Aatmakathan	Aksharvaidarbhi, Dec 2010, P. No. 45-59	International					
3	Dr. Madhav Putwad	Krushisanskriti: Rhas Ni Pravas	Akshargatha, Vol. 1, Jun 2010, P. No. 25-30	National	ISSN 0976-2957				
		Sau Prabhavati Pethe Yanche Kathalekhan	Murali, Vol. 28, Apr 2010, P. No. 30-31	National	ISSN 2250-1649				
		Dharmavyavasthet il Streedharma	Murali, Vol. 29, May 2010, P. No. 4-5	National	ISSN 2250-1649				
		Gav : Kal Aani Aaj	Murali, Vol. 37, Dec 2010, P. No. 4-9	National	ISSN 2250-1649				
		Loksanskritiche Abhyasak : Dr. Madhukar Wakode	Bhoomi, Vol. 4, Mar 2011, P. No. 48-51	National					
		Manus : Kal Aani Aaj	Kirloskar, Vol. 1045, Mar 2011, P. No. 20-28	International					
		Ya navancha Kay Hoil?	Murali, Vol. 38, Mar 2011, P. No. 24-27	National	ISSN 2250-1649				
4	Dr. Hemant Khadke	Ajun Dav Aala Nahi : Ek Rangalela Dav	Sarvadhara, Mar 2010, P. No. 34-41	National					

## 22.2 Books Written/ Edited:

S. N.	Name of Authors	Title of Book	Name of Publisher	ISSN/I SBN No.	No. of Pages	Acted as (Editor/ Author)
2012-13						
1	Dr. Mona Chimote	Swachchand	Aksharmudra Publication, Nashik	---	160	Editor
		Anukampa	Aksharmudra Publication, Nashik	---	128	Editor
		Oghalanche Nakashe	Aksharmudra Publication, Nashik	---	136	Editor

		Snehadagdha	Aksharmudra Publication, Nashik	---	152	Editor
		Dohatal	Aksharmudra Publication, Nashik	---	152	Editor
		Ananyashar	Aksharmudra Publication, Nashik	---	152	Editor
2011-12						
1	Dr. Manoj Tayade	Vaikhari	Atharva Publication, Dhule	ISBN 978-93- 81171- 46-2	---	Editor
2	Dr. Hemant Khadke	Arvachin Kavinchha Kavyavichar	Padmagandha Publication, Pune	ISBN 978-93- 82161- 11-0	290	Author
2010-11						
1	Dr. Manoj Tayade	Kavyadhara	Prashant Publication	ISBN 978-93- 80638- 18-8	---	Editor
2	Dr. Madhav Putwad	Samaj Aani Sahitya : Aakalan Aani Anvayarthha	Goorav Publication, Amravati	ISBN 978-81- 921158 -0-1	240	Author
3	Dr. Mona Chimote	Marathi Sanketsthalanchi Suchi	Yugamudra Publication, Amravati		12	Author

### 22.3 Monographs/ Chapters in Book/s Written/Edited:

S. N.	Name of Authors	Title of Book	Title of Chapter added	Name of Publisher	ISSN/ISBN No.	Page No.	Contributed As (Editor/ Author)
2014-15							
1	Dr. Hemant Khadke	Arvachin Marathi Kavyamimansa	Vangmayin Mahatmata Aani Marathi Kavita	Padmagandha Publication, Pune	ISBN 978-93- 84416- 02-7	855	Author
2	Dr. Pranav Kolte	Arvachin Marathi Kavyamimansa	Astitvavad Aani Sathottari Marathi Kavita	Padmagandha Publication, Pune	ISBN 978-93- 84416- 02-7	300- 316	Author
2013-14							
1	Dr. Pranav Kolte	Vidarbha Vaikhari	Savvashe Varshanchi Parampara Labhaleli Yavatmal Shaharatil Vyakhyanmala	Atharva Publications, Jalgaon	ISBN 978-93- 82795- 88-9	107- 115	Author
2012-13							

1	Dr. Mona Chimote	Marathi Astitvavadi Kavita Aani Vasant Aabaji Dahake	Marathi Kavitetil Astitvavadi Janiva	Vishva Publicatiio, Nagpur	ISBN 978-93-82351-10-8	29-34	Author
2	Dr. Madhav Putwad	1980 Nantarche Marathi Sahitya : Swarup Aani Samiksha	1980 NantarchiMarathi Gramin Kavita	Aruna Publication, Latur		112-137	Author
2011-12							
1	Dr. Manoj Tayade	Aamaria	‘Aamaria’ta Praveshtana	Aakanksha Publication, Nagpur	ISBN 81-903716-9-1	9-11	Author
2	Dr. Hemant Khadke	Marathitil Rajakiya Kadambari	Rajakiya Kadambari : Kahi Vyakhya	Pratima Publication, Pune		59-64	Author
		Baromas: Ek Anvayartha	Sadanand Deshmukh Yanchya Kadambarya	Continental Publication, Pune	ISBN 978-81-7421-029-6	170-176	Author
2010-11							
1	Dr. Mona Chimote	Marathi bhasha, Sahitya, Samaj Aani Sanskruti	Aadhunik Marathi Sahityatil Vividha Vangmayeen Pravah	Dirbai Publication, Jamsande			Author

#### 22.4 Publications in Conference/Seminar Proceedings:

S. N	Name of Authors	Title of Paper	Name of the Conference/Seminar/Workshop	Status National/International	ISSN/ISBN No (if any)	Name of Organizing Agency	Duration and Date	Volume and Page No. of Proceedings
2014-15								
1	Dr. Mona Chimote	Marathi Samaj Kadambaritil Samajbhan	Marathi Samaj Kadambaritil Samajbhan	National (UGC sponsored)	ISSN 978-81-921416-0-2	Dhanvate Natonal College, Nagpur	Two days 9-10 Feb 2011	Page No. 33-39
2	Dr. Pranav Kolte	Vidnyanshikhan Va Aajachi Sthiti	49 ve Akhil Bharatiya Marathi Vidnyan Adhiveshan	National	---	MVP Mumbai, Marathi Vidnyan Parishad, Amravati & Dept of Marathi, SGBAU, Amravati	Three Days 5-7 Dec. 2014	Page No. 36-38
2011-12								
1	Dr. Mona Chimote	Marathi Kathatma Sahityavaril Gandhivadac	The relevance of Gandhian Ideology in	National (UGC sponsored)	ISBN 978-93-81432-08-2	Smt. Kesharbai Lahoti Mahavidyal	One day 30 <sup>th</sup> Jan 2012	Page No. 251-253

		ha Prabhav	the present era			aya, Amravati		
2010-11								
1	Dr. Mona Chimote	Marathi Samajk Kadambaritil Samajbhan	Marathi Samajk Kadambaritil Samajbhan	National (UGC sponsored)	ISBN 978-81-921416-0-2	Dhanvate Natonal College, Nagpur	Two days 9-10 Feb 2011	Page No. 33-39
		Portrayal of Women in Modern Marathi Poetry (Co-author)	Women Empowerment	International (UGC sponsored)	ISBN 978-81-921414-0-1	Ramkrushn a Mahavidyalay, Darapur	Two days 25-26 Nov 2011	Vol. 2, Page No. 139-140

23. Details of patents and income generated

Nil

24. Areas of consultancy and income generated

Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

Nil

26. Faculty serving in

a) National committees b) International committees c) Editorial Boards d) any other

S. N.	Year	Name of the Faculty	National Committees/ International Committees/ Editorial Boards/ Any Other (specify)	Organization	Acted as Member / Chairman/ Secretary/ Others (specify)
1	2014-15	Dr. Manoj Tayade	Major Research Project Selection/Evaluation Committee	UGC	Member -Subject Expert
		Dr. Mona Chimote	Board of Studies in Marathi	Gulbarga University, Karnataka	Member
		Dr. Hemant Khadke	Board of Studies in Marathi	Rajarshi Shahu Mahavidyalaya, Latur(M.S.) NAAC Re-accredited A Grade	Member
			Book Selection Committee for Award	Sahitya Akademi, New Delhi	Member
		Dr. Madhav Putwad	Syllabus Restructuring Committee & Editorial-Content Writing Board	Dept of Distance Education, SRT Marathwada University, Nanded	Member
		Dr. Pranav Kolte	Syllabus Restructuring Committee & Editorial-Content Writing Board	Dept of Distance Education, SRT Marathwada University, Nanded	Member
2	2013-14	Dr. Manoj Tayade	Major Research Project Selection/Evaluation Committee	UGC	Member -Subject Expert
		Dr. Mona Chimote	Akhil Bhartiya Marathi Sahitya Mahamandal	Akhil Bhartiya Marathi Sahitya Mahamandal, Pune	Acted As representative member of Vidarbha

					Sahitya Sangha, Nagpur
		Dr. Hemant Khadke	Board of Studies in Marathi	Rajarshi Shahu Mahavidyalaya, Latur(M.S.) NAAC Re-accredited A Grade	Member
5	2010-11	Dr. Manoj Tayade	Post Doctoral Research Award Committee	UGC	Member -Subject Expert

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

- Faculties are motivated to attend Refresher/ Orientation/ Workshops/ Specialized Training Programmes/ Industrial Interaction to achieve excellence in teaching and research.

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects - Nil
- percentage of students doing projects in collaboration with other universities / industry / institute - Nil

29. Awards / recognitions received at the national and international level by

- Faculty - Nil
- Doctoral / Post Doctoral Fellows – Nil
- Students – Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / International) with details of outstanding participants, if any.

S. N.	Name of the Conference/Seminar/Workshop	Status National/International	Name of Chairman/Organizing Secretary/Convenor	Funding Agency with Funds (if any)	Collaborators (if any)	Duration, Date and Venue
2014-15						
1	49 ve Akhil Bharatiya Marathi Vidnyan Adhiveshan	National	Dr. Manoj Tayade	Marathi Vidnyan Parishad Mumbai, Marathi Vidnyan Parishad, Amravati Branch & Sant Gadge Baba Amravati University	Marathi Vidnyan Parishad Mumbai & Marathi Vidnyan Parishad, Amravati Branch	Three Days 5-7 Dec. 2014
2013-14						
1	Sutrasanchalan Prashikshan Karyashala	National	Dr. Manoj Tayade & Dr. Mona Chomote	Sant Gadge Baba Amravati University & Vidarbha Sahitya Sangha, Amravati	Vidarbha Sahitya Sangha, Amravati	One Day 14 Dec. 2013

	(Workshop on Anchoring in Marathi)					
2012-13						
1	Marathi Lekhikanchya a Lekhanavaril Rashtriya Charchasatra (Seminar)	National	Dr. Manoj Tayade	Sant Gadge Baba Amravati University	Nil	One Day 3 Jan. 2013
2	Marathi Shuddhalekhan an Karyashala (Workshop on Writing of Marathi)	National	Dr. Manoj Tayade	Sant Gadge Baba Amravati University	Nil	Three Days 16-18 Jan. 2013
2010-11						
1	Bhartatil Aadivasi : Sadyasthiti Aani Sahitya	National	Dr. Manoj Tayade & Dr. Amarsingh Rathod	UGC	Smt Vimalabai Deshmukh College, Amravati	Two Days 18-19 Feb 2011

31. Code of ethics for research followed by the departments

➤ Department follows the following code of ethics for research:

- Academic research enterprise is built on a formation of trust.
- Society trusts that the results of research reflect an honest attempt.
- Prohibition against fabricating falsifying or misrepresenting research data.

Some Ethical Principals such as Trust, Accountability, Mutual Respect, Accountable to the public, social responsibility, Awareness of human rights, Honesty, Objectivity, Integrity, Carefulness, and Openness etc are followed.

32. Student profile programme-wise:

Year	Admitted to First Year of the Course			Pass Percentage of Students	
	Boys	Girls	Total	Boys	Girls
2014-15	10	22	32	--	--
2013-14	11	17	28	9	82.35
2012-13	10	37	47	10	51.35
2011-12	6	31	37	16.66	72.73
2010-11	8	26	34	50	52.94

## 33. Diversity of students

Name of the Programme	Year	Percentage of students from the same university	Percentage of students from other universities within the State	Percentage of students from Universities outside the State	Percentage of students from other countries
M.A. ( Marathi )	2014-15	84.38	15.62	00	00
	2013-14	82.14	17.86	00	00
	2012-13	85.11	14.89	00	00
	2011-12	84.08	18.92	00	00
	2010-11	88.24	11.76	00	00

## 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Sr. No.	Examination	No. of students who cleared the exam
1	NET	3

## 35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed	Total : 15
<input type="checkbox"/> Campus selection	2010-2011 : 01
<input checked="" type="checkbox"/> Other than campus recruitment	2011-2012 : 07
	2012-2013 : 03
	2013-2014 : 03
	2014-2015 : 01
Entrepreneurs	NA

## 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	40 %
from other universities within the State	40 %
from universities from other States from	20 %
universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

38. Present details of departmental infrastructural facilities with regard to :

a. Library	:	Yes
b. Internet facilities for staff and students	:	Yes
c. Total number of class rooms	:	03
d. Class rooms with ICT facility	:	03
e. Students' laboratories	:	NA
f. Research laboratories	:	NA

39. List of doctoral, post-doctoral students and Research Associates :

- a. from the host institution/university

S. N.	Name	Doctoral Student	Status
1	Mrs. Meenatai Thakare	Doctoral	Degree Awarded
2	Ms. Bhumika Wankhade	Doctoral	Degree Awarded
	Mr. Pankaj Wankhade	Doctoral	Thesis Submitted
4	Ms. Vrushali Ghandarwar	Doctoral	Registered
5	Ms. Megha Chute	Doctoral	Registered
6	Mr. Bhagwan Falke	Doctoral	Registered
7	Mr. Rajendra Munde	Doctoral	Registered
8	Ms. Jyotsna Patil	Doctoral	Registered
9	Mr. Nandkumar Bhakare	Doctoral	Registered
10	Mr. Ashirwad Deshmukh	Doctoral	Registered
11	Mr. Sheshrao Kale	Doctoral	Registered
12	Mr. Ravindra Dakhore	Doctoral	Registered
13	Mr. Ganesh Marewar	Doctoral	Registered
14	Ms. Prachi Choudhary	Doctoral	Registered
15	Ms. Sita Shinde	Doctoral	Registered
16	Ms. Kokila Warghat	Doctoral	Registered
17	Mr. Sopan Kadam	Doctoral	Registered
18	Mr. Raj Ruikar	Doctoral	Registered
19	Mr. Ravi Sakharkar	Doctoral	Registered
20	Mr. Gajanan Barad	Doctoral	Registered
21	Mr. Chetan Yawalikar	Doctoral	Registered
22	Ms. Dipali Chikhale	Doctoral	Registered
23	Mrs. Sheela Lokhande	Doctoral	Registered

- b. from other institutions/universities



Nil

40. Number of post graduate students getting financial assistance from the university.

Nil

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

No

42. Does the department obtain feedback from

- i. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

➤ Yes. Department obtain feedback on curriculum. Suggestions made by faculties are placed before BOS.

- ii. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

➤ Yes. Department obtain feedback on staff, curriculum and teaching-learning-evaluation from students. Head of the department consider it for proper action.

- iii. Alumni and employers on the programmes offered and how does the department utilize the feedback?

➤ Yes. Department obtain feedback on on the programmes from Alumni. Head of the department consider it for need based changes in programme structure.

43. List the distinguished alumni of the department with their designation and address

S. N.	Name	Designation	Address
1	Dr. Chandu Pakhare	Associate Professor	Dept of Marathi, Mahatma Fule Arts & Sitaramji Chaudhary Science College, Warud, Dist. Amravati.
2	Dr. Nayana Mohod (kadu)	Assistant Professor & HOD	Dept of Marathi, Shri Chatrapati Shivaji Arts College, Aasegaon Purna, Dist. Amravati.
3	Mr. Rajiv Pathan	PRO	Caste Valedity Office, Amravati
4	Dr. Pravin Bansod	Associate Professor & HOD	Dept of Marathi, Neharu Arts & Commerce College, Ner-parsopant, Dist. Yavatmal.
5	Dr. Bhumika Wankhede	Associate Professor	Dept of Marathi, Jagadamba Mahavidyalaya, Achalpur, Dist. Amravati.
6	Mr. Kumar Bobade	Associate Professor & HOD	Dept of Mass Communication, Shivaji Arts College, Amravati.
7	Dr. Rajesh Mirge	Assistant Professor	Dept of Marathi, Shivaji Arts College, Amravati.
8	Mr. Bhagawan Phalke	Assistant Professor	Women Study Centre, SGBAU, Amravati
9	Mrs. Pallavi Dharav	District Information Officer	Dist. Gondia

10	Mr. Ravi Sakharakar	Principal	Arts & Commerce Night College, Amravati.
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44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Student enrichment programmes:

S. N.	Programme	Date	Expert
1	Marathi Lekhikanchya Lekhanavaril Rashtriya Charchasatra (National Seminar)	3 <sup>rd</sup> Jan. 2013	<ul style="list-style-type: none"> <li>▪ Dr. Sushama Karogal, Badida (Gujarat)</li> <li>▪ Prf. Niraja Dhulekar, Mumbai</li> <li>▪ Dr. Aruna Dubhashi, Mumbai</li> <li>▪ Dr. Prabha Ganorkar, Amravati</li> </ul>
2	Marathi Shuddhalekhan Karyashala (Workshop on Writing of Marathi)	16-18 Jan. 2013	▪ Mr. Arun Fadke, Mumbai
3	Marathi Bhasha Gaurav Din Lecture Series	26-28 Jan. 2013	<ul style="list-style-type: none"> <li>▪ Mr. Satish Kalsekar, Mumbai</li> <li>▪ Mr. Ranganath Pathare, Sangamner</li> <li>▪ Dr. Naganath Kottapalle, Pune</li> </ul>
4	Sutrasanchalan Prashikshan Karyashala (Workshop on Anchoring in Marathi)	14 <sup>th</sup> Dec. 2013	▪ Mr. Sudhir Gadgil, Pune
5	Marathi Bhasha Gaurav Din	1 <sup>st</sup> March 2014	▪ Dr. Rajendra Sonpetkar, Amravati
6	Kavi Keshavsut Kavyasparidha	11 <sup>th</sup> Sept 2014	<ul style="list-style-type: none"> <li>▪ Dr. Sukhadev Dhanke, Amravati</li> <li>▪ Mr. Baban Saradkar, Amravati</li> </ul>
7	Debate Competition	1 Oct 2014	<ul style="list-style-type: none"> <li>▪ Dr. Alka Gayakwad, Amravati</li> <li>▪ Dr. Keshav Tupe, Amravati</li> </ul>
8	Guest Lecture	23 <sup>rd</sup> Dec. 2014	▪ Dr. Sadanand More, Pune
9	49 <sup>th</sup> Akhil Bhartiya Marathi Vidnyan Adhiveshan	5 <sup>th</sup> Dec. 2014	▪ Dr. Prakash Aamte, Hemalkasa

45. List the teaching methods adopted by the faculty for different programmes.
- Lecture, demonstration & through literature reading
  - ICT facilities are used in Lecture Method for effective teaching-learning process.
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
- The faculty member plan about teaching-learning process in the beginning of academic year & it is communicated to the student. In teaching learning process feedback from students is considered for monitoring the outcome of learning.
47. Highlight the participation of students and faculty in extension activities.
- Students and faculty members actively participate in the various extension activities run by the department. Apart from this students and faculty members individually also participate in activities held by different organisations.
  - Marathi Bhasha Gaurav Din Programme

- Organised Sutrasanchalan Karyashala (Workshop on Anchoring in Marathi)
- Organised Shudhalekhan Karyashala (Workshop on Writing in Marathi)
- Poor Student Fund by teacher of the department for student in need.
- List of Awarded Ph.D.s in Marathi prepared for uploading on the University Website.
- Lectures by Faculty members on different occasions.
- Language support to different departments of University in Campus & also to the government, non governmental organisations.
- Organised Seminar on the Dt.13.2.2015 on the draft prepared for coming 25 years regarding Marathi Bhasha Dhoran (Masuda 2014). Suggestion for revision, addition or objections on topics covered in the draft is communicated to government.
- Organised 49<sup>th</sup> Akil Bhartya Marathi Vidnyan Adhiveshan in collaboration with Marathi Vidnyan Parishad during 5 & 7 Dec. 2014.
- Participation in Swacha Bharat Abhiyan in the University campus.
- Participation in tree plantation, blood donation etc. social activities.

48. Give details of “beyond syllabus scholarly activities” of the department.

- Research Article Display Activity :  
Department run the Research Article Display Activity regularly for scholarly student. Important research articles are displayed from various Journals, Special Issues & Research based News Paper Article of high importance value.
- Competitive Exam Information Corner :  
Competitive Exam Information Corner facilitates aspiring students the valuable notices, advertisements & guest column article from various sources.
- Activity of Scientific Journals, Wall Calenders etc for Scientific Awareness :  
For scientific awareness among the students Scientific Journals like Marathi Vidnyan Patrika, Srushtidnyan, Wall Calenders of scientific information, and Documentary show from Internet etc are provided. Apart from this scientific attitude is inculcated from lectures by faculty members. Department organised the 49<sup>th</sup> Akhil Bhartiya Marathi Vidnyan Adhivasion-the National level Science Conference in Dec. 2014 is the notable activity in this regards.
- Activity of Register the term in Marathi :  
This activity ran by the department for strengthening the language skill among students. Terms in Marathi for commonly used English words are asked to register from students.
- Valuable Thought from Literary work by Saints:  
In this activity valuable thought reflected in the poems/ literary work by Saints in the medieval age are displayed for students.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The contributions of the department in generating new knowledge:

- All faculty members are actively participate in syllabus restructuring, content writing or book editing for the curriculum of academic programme for different subject bodies or organisations.
- Four faculty members authored the books.
- Four faculty members carried out the Major Research project.
- Faculty members are actively participating in Seminar-conferences as a subject expert.
- Four faculty members are supervisors for Ph. D.
- Most of the faculty members are publishing the research articles frequently.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

**Strengths:**

1. All faculty members are Ph.D. Holders.
2. Most of the faculty members completed Major Research Project.
3. Two faculty members received the State Award for the Best Literary work.
4. One faculty member awarded Post-doctoral Research Award.
5. Students from the department achieved 1<sup>st</sup> Merit rank in the University Examination
6. Landmark project work regarding Varhadi boli (Dialect) & the dictionary is completed.

**Weaknesses:**

1. Less opportunity in employment for degree holders.

**Opportunities:**

1. To develop the curriculum according the global changes & industry need.
2. To introduce the Certificate & Diploma course in Applied Marathi.
3. To bring forward the regional literary work & its importance.
4. To develop language skills among students who comes from the rural background.
5. To shape the students personality for creative work & other skills in performing art like anchoring in Marathi, Poem Reading, Debate, Eloquence, Interview.

**Challenges:**

1. To keep the students passion for the PG programme due to unemployment.
2. Decreasing importance of language & literature in today's materialistic world.

52. Future plans of the department.

- To Introduce the Certificate & Diploma course in Translation & Proof Reading in Marathi/Shuddhalekhan in Marathi.
- To organise National level Workshop on Terminology of Science in Marathi with the help of Shabdawali Ayog New Delhi.
- To organise International conference on Contemporary Research in Marathi.
- To run the Marathi Bhasha Sauvardhan Activity.
- To facilitate faculty members in University area by organising Short Term Course in Marathi.
- To initiate interdisciplinary research work in Marathi.

## Evaluative Report of the Department

1. Name of the Department : **Hindi**
2. Year of establishment : 1994
3. Is the Department part of a School/Faculty of the university?  
NA
4. Names of programmes offered :  
( UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., Diploma, P.G. Diploma, Certificate Courses, Advance Diploma etc.):

Level of the Programme	Name of the Programme	Duration	Intake capacity	Faculty
PG	M.A.(Translation Hindi)	2 years	30	Arts
Doctoral	Ph.D	--	8	Arts

5. Interdisciplinary programmes and departments involved  
Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc.  
Nil
7. Details of programmes discontinued, if any, with reasons  
Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System  
Annual
9. Participation of the department in the courses offered by other departments  
No
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	
Associate Professor	1	Nil	
Assistant Professor	---		
Other (Specify)			

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

S. N.	Name	Qualification	Designation	Gender (M/F)	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 years
1	Prof. S.M. Bunde	M.A. (Hindi), (Sociology), B.Ed., Ph.D.	Professor & Head	M	Madyakalin Sahitya and Translation	30	Ph.D. -16 M.Phil -01

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Year	Name of senior Visiting Fellows	Name of adjunct faculty	Name of emeritus professors
2011-12	Prof.Kishore Vaswani		

13. Percentage of classes taken by temporary faculty – programme-wise information

S. N.	Year	No. of CHB	Percentage of Classes taken by Temporary Faculty
1	2014-15	7	77
2	2013-14	7	77
3	2012-13	7	77
4	2011-12	6	77
5	2010-11	7	77

14. Programme-wise Student Teacher Ratio

S. N.	Year	Student Teacher Ratio
1	2014-15	36:1
2	2013-14	37:1
3	2012-13	38:1
4	2011-12	40:1
5	2010-11	38:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Nil

16. Research thrust areas as recognized by major funding agencies

- I Modern and Medieval Hindi Lit.
- Rajbhasha
- Translation

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Nil

## 18. Inter-institutional collaborative projects and associated grants received

a) National collaboration

b) International collaboration:

Nil

## 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

S. N.	Title of Project	Funding Agency	Total Grants Sanctioned	Duration & Year of Sanction	Status (Complete / Ongoing)
1	Marathi Matho Main Upalabtha Hindi Sahitya ka Samajshatriya Vishleshan	UGC	4,18,000/-	2 Year (2010-11)	Completed

## 20. Research facility / centre with

- अनुसंधान कार्य हेतु विभागीय पुस्तकें, जनरल्स एवं समीक्षात्मक संदर्भ ग्रंथ उपलब्ध है।  
 ➤ विभाग में अनुसंधान कार्य हेतु इंटरनेट सुविधादि उपलब्ध है।

## 21. Special research laboratories sponsored by / created by industry or corporate bodies

Nil

## 22. Publications:

## 22.1 Research Articles/Publication:

S. N.	Name of Authors	Title of Paper	Name of the Journal and Vol. No., Year, Page No.	Status National/ International	ISSN/ ISBN No of Journal	Impact Factor	h-Index	Citation Index	Listed in International Database
2014-2015:									
1	Prof. S.M.Bunde	Aadhunik Hindi Vyangya kavya Main Samagik Darshan	Navwarsha Visheshank( Amravati Mandal) 2015	National	-	-	-	-	-
2	Prof. S.M.Bunde	Bhishma Sahani Ki Kahaniyon main Abhivyaakta Samajik Darshan	Loknayak Inter Disciplinary Journal for Innovative Research & Evaluation Quarterly, Volume-3, 2015, P. 25	National	ISSN 2278-4284	-	-	-	-

2013-14									
1	Prof. S.M.Bundeale	Hindi: Vishwabhasha Evam Hamara kartavya	Vishwastar Per Hindi,2014,34P.9	National	978-93-5070-171-3	-	-	-	-
2	Prof. S.M.Bundeale	Ekisvee Sadi Ke Upanyaso Main Samagik Chetana	Krushak Shikshan Sanstha, Arvi,2014,10	National	2278-4284	-	-	-	-
3	Prof. S.M.Bundeale	Rashtriya Vikas Main Gathbandhan Sarkaron ki bhumika	Coalition Govt. & Devaluation of Democratic Process, UGC Sponsored,2014,P. 15	National	978-93-82351-33-7	-	-	-	-
2012-13									
1	Prof. S.M.Bundeale	Bhawani Prasad Mishra Ke kavya Main Sanskrutik Chetana	Dipitsav(Amravati Mandal) 2013	National	-	-	-	-	-
2	Prof. S.M.Bundeale	Bhawani Prasad Mishra Ke kavya Main Sanskrutik Chetana	Loknaya Inter Disciplinary Journal for Innovative Research & Evaluation Quarterly, Volume-7, Oct. 2013, P. 18	National	ISSN 2278-4284	-	-	-	-
3	Prof. S.M.Bundeale	Ekisvee Sadi Ke Upanyaso Main Samagik Chetana	Loknaya Inter Disciplinary Journal for Innovative Research & Evaluation Quarterly, Volume-7, Dec.2013, P. 14	National	ISSN 2278-4284	-	-	-	-
2011-12									
1	Prof. S.M.Bundeale	Sant Mirabai Ke kavya Main Darshanikta	Dipitsav(Amravati Mandal) 2012	National	-	-	-	-	-



							-	-	-
2	Prof. S.M.Bundeale	Anuwad Ki Bhashik Sasamsyaye Evam Samadhan	Loknaya Inter Disciplinary Journal for Innovative Research & Evaluation Quarterly, Volume-4, Dec.2012, P. 27	National	ISSN 2278- 4284	-	-	-	-
3	Prof. S.M.Bundeale	Bhartiya Sanvidhan, Hindi Evam Any Bhartiya bhashayen	Loknaya Inter Disciplinary Journal for Innovative Research & Evaluation Quarterly, Volume-2, Oct.2012, P. 55	National	ISSN 2278- 4284	-	-	-	-
3	Prof. S.M.Bundeale	Egisvee Sadi Ke Upanyaso Main Samagik Chetana	Loknaya Inter Disciplinary Journal for Innovative Research & Evaluation Quarterly, Volume-7, Dec.2013, P. 14	National	ISSN 2278- 4284	-	-	-	-
4	Prof. S.M.Bundeale	Dr. Santoshrani Gupta Hariaundh Sahitya ka Prauttimulak Adhyayan ki Samasya	Loknaya Inter Disciplinary Journal for Innovative Research & Evaluation Quarterly, Volume-2, June.2012, P. 11	National	ISSN 2278- 4284	-	-	-	-
2010-11									
1	Prof. S.M.Bundeale	Bhasha Samaj Evam Bhawana	Dipitsav(Amravati Mandal) 2011,P.177	National	-	-	-	-	-
2	Prof. S.M.Bundeale	Samkalinta Evam Rashtra Sant Tukadoji maharaj ka Sahitya	Paddalit Janpanch 2011,P.107	National	-	-	-	-	-

3	Prof. S.M.Bundeale	Hindi Main Dalit Sahitya Ki Avdharna Evam Dalit Sahitya	Panchasheel Shodh-Samiksha V. 11, Jan-March-2011, P.117	National	ISSN 0975-2587	-	-	-	-
4	Prof. S.M.Bundeale	Hindi Main Dalit Sahitya Ki Avdharna Evam Dalit Sahitya	Rajbhasha Bahrti V. 128, Jan-March-2010, P.24	National	-	-	-	-	-

## 22.2 Books Written/ Edited:

S. N.	Name of Authors	Title of Book	Name of Publisher	ISSN/ ISBN No.	No. of Pages	Acted as (Editor/ Author)
2014-15						
1	Prof.S.M.Bundeale	Rajbhasha Hindi Samasyayen Samadhan	Jaybharti Prakashan	--	--	Author
2010-11						
1	Prof. S.M. Bundeale	Rashtrakavi Randhari Singh Dinkar ke Kavya Main Abhivyakta Samajik -Rashtriya Chetana	Prof. Dineshkumar Joshi, Regs.SGBAU, Amravati 2010			Edited
2	Prof. S.M. Bundeale	Yashogatha, 25 Years	Prof. Dineshkumar Joshi, Regs.SGBAU, Amravati 2010			Edited

## 22.3 Monographs/ Chapters in Book/s Written/Edited:

Nil

## 22.4 Publications in Conference/Seminar Proceedings:

S. N.	Name of Authors	Title of Paper	Name of the Conference/ Seminar/ Workshop	Status National/ International	ISSN/ ISBN No (if any)	Name of Organizing Agency	Duration and Date	Volume and Page No. of Proceedings
2014-15								
1	Prof. S.M.Bundeale	Hindi Main Sansmaran	Aadhunik Hindi Sahitya Main Aatmakatha Aur Sansmaran	National	-	UGC	One day 24 Dec.	-

			Vidha				2014	
2	Prof. S.M.Bunde	Mharastra Prant Main Hindi Prachar ka karya	Vishwa Hindi Parishad, Mauritius	International	-	Rajbhasha Hindi Sansthan, Mauritius	02/06/2014	-
3	Prof. S.M.Bunde	Mauritius Hindi sahitya Main Bhartiya Hindi Sanskruti ka Anushilan	Aanterratriya Hindi Sanghosti, Mauritius	International	-	Mahatma Gandhi Hindi Sansthan Mauritius	4/06/2014	
4	Prof. S.M.Bunde	Swathya Tanav Aur Yog	Sahitya Sanwad Gosti, Mauritius	International	-	Indira Gandhi Bhartiya Sanskrutik Kendra, Mauritius	4/06/2014	
2013-14								
1	Prof. S.M.Bunde	Ekkisvi Sadi ke hindi Sahitya main Samajik Chetna	Ekkisvi Sadi ke hindi Sahitya main Samajik Chetna Rastriya Hindi Sangoshti	National		UGC	Arvi 4/1/2014	
2	Prof. S.M.Bunde	Prayojanmulk Hindi Tatha Media Lekhan	Prayojanmulak Hindi Tatha Media Lekhan Uttar Maharashtra Vidyapith, Jalgaon	National		UGC	28/02/14	
3	Prof. S.M.Bunde	Gathabandhan Sarkare Avam loktantrik Prakriya Ka Avamulan	Rastriya Shodha Sangoshti 'Pandhurna	National		UGC	12/1/14	
4	Prof. S.M.Bunde	Sathotari Hindi Aalochana ke Vividha Pravaha	Sathotari Hindi Aalochana ke Vividha Pravaha Nanded	National		Paryatan Evam Sanskrutik karya Vibhag maharashtra Rajya Tatha Ramanand Tirth Marathwada Vishwavidyalaya, Nanded.	15/3/2014	
5	Prof. S.M.Bunde	AAadhunik Hindi Vyangkavya Main Samajik Darshan	Hindi Vyanga Sahitya Ka Rastriya Tatha SamaJik Paripreksya	National	,	UGC & Sanshodhak Vicharmahasangh Kolhapur	18/09/14	
6	Prof. S.M.Bunde	Marksh Aur Ambedkarwadi Sahitya	Marksh Aur Ambedkarwadi Sahitya Chintan	National		Pune Univ. Pune	06/03/14	

		Chintan ke vivid Aayam	ke vivid Aayam					
7	Prof. S.M.Bunde	Anuwad Avam Nirvachan	Mahatma Gandhi Antarrashtriya Vishavavidhala ya wardha	National		UGC	21- 22/10/ 13	
8	Prof. S.M.Bunde	Hindi Sahitya Main Stree Vimarsh	Hindi Sahitya Main Stree Vimarsh	National		UGC	16/01/ 13	
2012-13								
1	Prof. S.M.Bunde	Pracharya Evam Vibhagpramu kh ka Prashaskiya Daitava	Aakadamik Prashasakon ke liye Anterkriyatmak karyakram workshop	National		SGBAU	09/12/ 12	
2	Prof. S.M.Bunde	Hindi Anusandhan ki Dasha Evam Dishaye	Hindi Anusandhan ki Dasha Evam Dishaye	National		UGC	18/10/ 12	
2011-12								
1	Prof. S.M.Bunde	Jesta Sahityakar Masajivi: Vish nu Prabhakar	Jesta Sahityakar Masajivi: Vishn u Prabhakar	National		Hindi Deptt.& UGC	14- 15/02/ 11	
2	Prof. S.M.Bunde	Rashtra sant Pranit Jansahitya	Rashtra sant Pranit Jansahitya- Sammelan	National		UGC	14- /10/11	
2010-11								
1	Prof. S.M.Bunde	Hindi Main Dalit katha Sahitya Ki Avdharna Evam Dalit Sahitya	Hindi Ke samkalin Dalit katha Sahitya Main Samajik Chetana sun 1980 se Aajtak	National		UGC	02- 03/02/ 10	
2	Prof. S.M.Bunde	Agyeya Ke Sahitya Main Prayogdharmi ta	Agyeya Ke Sahitya Main Prayogdharmita	National		Pune Univ.& Hindi Deptt.	27/02/ 10	
3	Prof. S.M.Bunde	Bisavi Sadi ka Artha Aur janmsati ka Sandharbha	Rashtriya Hindi Sandhosti, wardha	National		Mahatma Gandhi AAnterrastiya Vishwavidyalay a	02- 03/10/ 10	
4	Prof. S.M.Bunde	Hindi Anusandhan Disha Evam Chunautiya	Rashtriya Shodh Sandhosti,	National		Rashtrasant Tukadoji maharaj Vishwavidyalay a Hindi Deptt. of Nagpur.	27/03/ 10	
5	Prof. S.M.Bunde	Vishwa main Hindi Ka Vartaman	Rashtriya Hindi Sandhosti, Mumbai.	National		Vishwahindi sahitya pracharmanch	31/3/1 0	

		Evam bhavisya				Evam Maharatra Rajya Hindi Sahitya Akadami, Mumbai		
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23. Details of patents and income generated

Nil

24. Areas of consultancy and income generated

Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions industries in India and abroad

Nil

26. Faculty serving in

a) National committees b) International committees c) Editorial Boards d) any other

S. N.	Year	Name of the Faculty	National Committees/ International Committees/ Editorial Boards/ Any Other (specify)	Organization	Acted as Member / Chairman/ Secretary/ Others (specify)
1	2014-15	Prof.S.M.B undeale	B.U.T.R. Faculty Arts Meeting-7/1/2014	SGBAU	Member
		Prof.S.M.B undeale	RRC Meeting-09/07/14	SGBAU	Member
		Prof.S.M.B undeale	B.O.S. Meeting-23/07/14	SGBAU	Member
		Prof.S.M.B undeale	Maharashtra Rajya Hindi Sahitya Academic,Mumbai Meeting -30/07/14	SGBAU	Member
		Prof.S.M.B undeale	Academic Staff College Meeting-22/12/14	SGBAU	Member
		Prof.S.M.B undeale	.Member of Selection Committee -27/12/14	SGBAU	Member
		Prof.S.M.B undeale	Pramotion Placment Committee -25/2/2014	SGBAU	Member
		Prof.S.M.B undeale	.Constituted Committee 32(5)-08/08/2014	SGBAU	Member
		Prof.S.M.B undeale	.RRC Meeting -10/10/14	SGBAU	Member
		Prof.S.M.B undeale	.Faculty of Arts Meeting - 17/11/14	SGBAU	Member
		Prof.S.M.B undeale	C.H.B. Meeting - 30/06/2014	SGBAU	Member

		undele			
		Prof.S.M.B undele	Subject Examination Committee-12-13-14/03/2014	SGBAU	Member
		Prof.S.M.B undele	Subject Examination Committee - 20-21-22/02/2014	SGBAU	Member
		Prof.S.M.B undele	Purchase Committee Meeting-20/01/15	SGBAU	Member
		Prof.S.M.B undele	Moderation Committee Univ.-2,3,4 /03/2015	SGBAU	Member
		Prof.S.M.B undele	UPSC-Selection Committee ,12/02/2015 to 20/02/2015	SGBAU	Member
2	2013-14	Prof.S.M.B undele	B.U.T.R. Faculty Arts Meeting-7/1/2014,	SGBAU	Member
		Prof.S.M.B undele	Expert committee - 22/1/2014	SGBAU	Member
		Prof.S.M.B undele	Selection committee-27/12/13,	SGBAU	Member
		Prof.S.M.B undele	B.O.S. Meeting-25-26/9/13	SGBAU	Member
		Prof.S.M.B undele	Sahitya Academic Meeting - 13-14/9/2013,	SGBAU	Member
		Prof.S.M.B undele	Academic Staff College Meeting-7/12/13,	SGBAU	Member
		Prof.S.M. Bunde	.Member of Selection Committee -27/12/13,	SGBAU	Member
		Prof.S.M.B undele	Promotion placement Committee -25/2/2014,	SGBAU	Member
		Prof.S.M. Bunde	Subject Examination Committee Hindi ( U.G)-8-9-10/7/2014	SGBAU	Member
		Prof.S.M.B undele	RRC Meeting -21/3/14	SGBAU	Member
		Prof.S.M.B undele	U.G.C. as a Expert - 29/10/13,National	UGC	Member
		Prof.S.M.B undele	M.O.C. Meeting -16/12/2013	SGBAU	Member
		Prof.S.M.B undele	Lect.Screening Committee - 29/5/13,	SGBAU	Member
		Prof.S.M.B undele	Moderation Committee Univ. - 18,19,20 /03/2014	SGBAU	Member
		Prof.S.M.B undele	R.R.C.Committee- 18/9/2013	SGBAU	Member
		Prof.S.M.B undele	Selection committee Meeting -17/05/13	SGBAU	Member
		Prof.S.M.B	Varshikank Spardha Samiti	SGBAU	Member

		unde	Sabha Ravi Shankar Univ., Raipur - 16/08/2013, Editorial Boards		
		Prof.S.M.B unde	19.Building Construction Committee- 17/05/13,	SGBAU	Member
		Prof.S.M.B unde	20.Subject Examination Committee - 12-13-14/03/2014	SGBAU	Member
		Prof.S.M.B unde	21.Subject Examination Committee - 20-21-22/02/2014	SGBAU	Member
3	2012-13	Prof.S.M.B unde	B.U.T.R.Meeting-29/8/2012	SGBAU	Member
		Prof.S.M.B unde	B.O.S. Meeting - 15/12/2012	SGBAU	Member
		Prof.S.M.B unde	.NET Meeting - 23/4/12 to 28/4/12 ,National	UGC	Member
		Prof.S.M.B unde	B.O.S. Meeting - 26/12/12,Editorial Boards	SGBAU	Member
		Prof.S.M.B unde	AcademicCouncil Meeting - 4/9/2012	SGBAU	Member
		Prof.S.M.B unde	.Academic Council Meeting- 28/8/12	SGBAU	Member
		Prof.S.M.B unde	B.U.T.R.Meeting-10/9/12	SGBAU	Member
		Prof.S.M.B unde	Placment Committee -10/8/12	SGBAU	Member
		Prof.S.M. Bunde	Apointment Committee -12/7/12	SGBAU	Member
		Prof.S.M. Bunde	L.R.T.Collage Comers ScreeningAkola Meeting -10/8/12	SGBAU	Member
		Prof.S.M. Bunde	.New Delhi Net Meeting- 23/4/12 to 28/4/12	SGBAU	Member
		Prof.S.M. Bunde	B.C.U.D Meeting-28 /11/2012	SGBAU	Member
		Prof.S.M. Bunde	AcademicCouncil Meeting- 14/9/12	SGBAU	Member
		Prof.S.M. Bunde	U.G.C. as a Expert - 24/7/12 to 28/7/12	UGC	Member
		Prof.S.M. Bunde	B.O.S.Meeting - 18/12/2012,	SGBAU	Member
		Prof.S.M.	M.O.C. Meeting -16/12/2013	SGBAU	Member

		Bundeale			
		Prof.S.M. Bundeale	Faculty Meeting - 22/1/13	SGBAU	
		Prof.S.M. Bundeale	Lect.Screening Committee - 29/5/13		
		Prof.S.M. Bundeale	Moderation Committee Univ. - 19/4/13 to 24/4/13	SGBAU	Member
		Prof.S.M. Bundeale	R.R.C. Committee - 1/4/13	SGBAU	Member
		Prof.S.M. Bundeale	Varshikank Spardha Samiti Sabha Ravi Shankar Univ., Raipur- 15/03/2013,	SGBAU	Member
		Prof.S.M. Bundeale	Varshikank Spardha Samiti Sabha Ravi Shankar Univ., Raipur- 16/08/2013,	SGBAU	Member
		Prof.S.M. Bundeale	Building Construction Committee-17/05/13	SGBAU	Member
4	2011-12		B.U.T.R. Meeting - 29/9/2011	SGBAU	Chairman
			R.R.C.Meeting - 29/11/2011	SGBAU	Chairman
			NET Meeting - 23/4/12 to 28/4/12, National Committees	UGC	Member
			R.R.C.Meeting - 19/10/11	SGBAU	Member
			Academic Council Meeting -5/5/2012	SGBAU	Member
			Academic Council Meeting- 13/1/12, National Committees	UGC	Member
			M.R.P. Complited placment Committee-22/11/12,	SGBAU	Member
			Faculty Meeting - 25/11/11	SGBAU	Member
			Placment Committee - 28/11/11	SGBAU	Member
			Placment promotion K.L. Amravati Meeting -9/5/12 National Committees	UGC	Member
			New Delhi NET Meeting- 23/4/12 to 28/4/12 National Committees	SGBAU	Member
			B.C.U.D.Meeting-28 /11/2012	SGBAU	Member



			Principal Meeting- 16/7/11 to 17/7/11	SGBAU	Member
			Building Construction Committee (Severel)- 31/12/11	SGBAU	Member
			Loknaya Quarterly Journal, Editorial Board, 2011-12	SGBAU	Member
5	2010-11	Prof.S.M.B unde	.Academic Council Meeting -20/2/2010	SGBAU	Member
		Prof.S.M.B unde	B.C.U.D Meeting-23/8/10	SGBAU	Member
		Prof.S.M.B unde	Academic Council Meeting - 27/8/2010	SGBAU	Member
		Prof.S.M.B unde	Central admission committee - 30/3/11	SGBAU	Member
		Prof.S.M.B unde	Academic Council Meeting - 29/1/2010	SGBAU	Member
		Prof.S.M.B unde	Academic Council Meeting - 18/2/2010	SGBAU	Member
		Prof.S.M.B unde	B.O.S .Meeting -13/8/10	SGBAU	Member
		Prof.S.M.B unde	Building Construction committee	SGBAU	Member
		Prof.S.M.B unde	.R.R.C.Meeting -7/12/10	SGBAU	Member
		Prof.S.M.B unde	Senate Committee -27/4/2010	SGBAU	Member
		Prof.S.M.B unde	Academic Council Meeting - 24/01/11	SGBAU	Member
		Prof.S.M.B unde	NET Meeting- 27/3/2011 ,2/4/2011	SGBAU	Member
		Prof.S.M.B unde	B.U.T.R.- 7/4/11	SGBAU	Member
		Prof.S.M.B unde	15.R.R.C. Meeting - 3/5/11	SGBAU	Member
		Prof.S.M.B unde	Yashogatha, 25 Years 2010-11, Editorial Board	SGBAU	Member

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

- Faculties are motivated to attend Refresher/ Orientation/ Workshops/ Specialized Training Programmes/ Industrial Interaction to achieve excellence in teaching and research.

## 28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects –Nil
- percentage of students doing projects in collaboration with other universities /industry / institute - Nil

## 29. Awards / recognitions received at the national and international level by

- Faculty - Nil
- Doctoral / Post Doctoral Fellows – Nil
- Students – Nil

## 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

S. N.	Name of the Conference/Seminar/ Workshop	Status National/ International	Name of Chairman/Organizing Secretary/ Convenor	Funding Agency with Funds (if any)	Collaborators (if any)	Duration, Date and Venue
2011-12						
1	Hindi Anusandhan ki Dasha Evam Dishayen	National	Prof. S.M. Bundeale	UGC	SGBAU	18/10/2012
2010-11						
1	Rashtra kavi Ramdharisingh Dinkar ke Kavya Main Abhivyakta Samajik-Rashtriya Chetana	National	Prof.S.M. Bundeale	UGC	SGBAU	Two Days, --- ----- SGBAU

## 31. Code of ethics for research followed by the departments

- अनुसंधानकर्ता को मौलिक एवं नवीन विषयों पर तुलनात्मक शोध-कार्य करने के लिए कर्तव्यनिष्ठ शोधकर्ता होना चाहिए।
- पूर्व के अनुसंधित विषयों पर नवीनतम-मूल्यांकन एवं निष्कर्षों की सामाजिक उपादेयता की कसौटी पर परखना चाहिए। उसके पश्चात शोध-कार्य हो।
- शोध-कार्य में वस्तुनिष्ठता को आधार बनाकर, शोध-प्रविधि का अवलंबन पूर्ण ईमानदारी के साथ करना चाहिए।
- शोध-कार्य को नवीनतम संदर्भों की पूर्ति हेतु समकालीन पत्र-पत्रिकाओं व्याख्यानों एवं शोध-संगोष्ठी में तल्लीनता के साथ सहभागी होना चाहिए।
- तथ्यात्मक संकलन के लिए प्राथमिक तथ्यों (Primary Datas) का संकलन पाद-टिप्पणी (Foot Note) के साथ अवतरित करना चाहिए।
- शोधकर्ता कठोर परिश्रमी हो।
- जिज्ञासापूर्ण प्रवृत्ति एवं रुचिपूर्ण तरीके से शोधकर्ता परिपूर्ण हो।
- शोधकर्ता निष्कर्ष की पराकाष्ठा तक पहुँचने में समर्पित हो।
- शोधकर्ता में नैतिकता एवं सदाचरण की प्रवृत्ति हो।

## 32. Student profile programme-wise:

Year	Admitted to First Year of the Course			Pass Percentage of Students	
	Boys	Girls	Total	Boys	Girls
2014-15	11	12	23	--	--
2013-14	7	13	20	33	82
2012-13	9	16	25	33	70
2011-12	7	14	21	27.78	72.22
2010-11	6	15	21	42.86	57.14

## 33. Diversity of students

Name of the Programme	Year	Percentage of students from the same university	Percentage of students from other universities within the State	Percentage of students from Universities outside the State	Percentage of students from other countries
M.A. ( Hindi )	2014-15	86.96	8.70	4.35	00
	2013-14	95	5	00	00
	2012-13	96	4	00	00
	2011-12	85.71	14.29	00	00
	2010-11	95.24	4.76	00	00

## 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

- NET categories wise Passed Students – 08
- SET categories wise Passed Students – 05

## 35. Student progression

Student Progression	Percentage against enrolled
UG to PG	Nil
PG to M. Phil.	Nil
PG to Ph.D.	20%
Ph.D.to Post Doctoral	Nil
Employed <ul style="list-style-type: none"> <li>▪ Campus Selection</li> <li>▪ Other than campus recruitment</li> </ul>	Nil 30%
Entrepreneurs	NA

## 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	100
from other universities within the State	
from universities from other States from	
universities outside the country	

## 37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

➤ Nil

38. Present details of departmental infrastructural facilities with regard to :  
(Please specify numbers)

- Library - Yes
- Internet facilities for staff and students – Broad Band and Wi-Fi facilities
- Total number of class rooms - 03
- Class rooms with ICT facility – Yes (02)
- Students' laboratories - Nil
- Research laboratories – Nil

## 39. List of doctoral, post-doctoral students and Research Associates :

- a. from the host institution/university

S. N.	Name	Doctoral/post-doctoral / Research Associate	Duration of Fellowship
1.	Dr. Sanjay Dhote	Research Associate	2 years

- b. from other institutions/universities –

Nil

## 40. Number of post graduate students getting financial assistance from the university.

Nil

## 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

## 42. Does the department obtain feedback from \

- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?  
– Yes (By arranging meeting of students)
- Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?  
– Yes ( According suggestion, we reform our systems.)
- Alumni and employers on the programmes offered and how does the department

utilize the feedback?

– Yes ( With the help meeting and suggestions)

43. List the distinguished alumni of the department with their designation and address (maximum 10)

#### STUDENTS FOR PLACEMENT

S. N.	Name of Student	Place of Placement
1	Shri Aniket Borkar	Aeronautical Engineering Deptt., Nashik
2	Ku.Sarita Nandeswar	Loksabha as a senior Translator
3	Shri Nitesh Dongare	Indian Railway, Godra, Gujrat working as Junior Translator
4	Shri Nitin Khobragade	BSNL Office, Amravati working as a Clerk
5	Dr. Shyam Prakash Pande	Art and Commerce College, Arvi, Wardha. Head and Lecturer in Hindi Deptt.
6	Dr. Anwar Siddiki	Mahatma Gandhi International Univ. Wardha working as lecturer.
7	Ku. Pallavi Labhane	Food corporation of India, working as Junior Translator, Hyderabad
8	Shri Rahul Khate	Khadi Gramudyog, Chandigarh
9	Ku. Puspallata Lekurwade	Junior Translator, Indian Navy, Mandwa, Goa.
10	Shri Sandeep Jadhav	Nuclear Power co-operation India LTD, Mumbai working as Senior Translator.

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

#### विभागीय सांस्कृतिक गतिविधियाँ

1	आचार्य हजारी प्रसाद द्विवेदी - जयंती	23 अगस्त, 2010
2	राजर्षि पुरुषोत्तम जयंती	1 अगस्त, 2010
3	शिक्षक दिवस	5 सप्टेम्बर, 2010
4	हिंदी दिवस	14 सितम्बर, 2010
5	प्रेमचंद पुण्यतिथि का आयोजित	2 अक्टूबर, 2010
6	डॉ. हरिवंशराय बच्चन पुण्यतिथि	17/11/2010
7	मोहन राकेश जयंती	8 जनवरी, 2011
8	सदस्य की सांस्कृतिक प्रतिस्पर्धाएँ	7/8 फरवरी, 2011
9	महादेवी वर्मा जयंती	26 मार्च, 2010
10	हिंदी प्रश्न बैंक कार्यशाला का आयोजन सहयोग भारतीय विश्वविद्यालय संगठन सदस्य	9/8/2010 से 10/8/2010
11	पुनश्चर्या पाठ्यक्रम समन्वयक प्रो. डॉ. शंकर बुंदेले	10/3/2011 से 27/3/2011
12	स्नेह संमेलन स्पर्धायें	7/2/2011 से 8/2/2011



**विभागीय अन्य गतिविधियाँ**

- 1) हिंदीतर भाषी क्षेत्र में ग्रामीण व शहरी बहिःशाल छात्रों को हिंदी भाषा एवं साहित्य का मार्गदर्शन 'राष्ट्रभाषा प्रचार केंद्र' (T.R.D.E.A.) के माध्यम से अनवरत जारी है।
- 2) डॉ.शंकर बुंदेले द्वारा समय-समय पर भू.पू.छात्रों एवं वर्तमान छात्रों को रोजगार प्राप्ति के लिए विशेष मार्गदर्शन शिबिर का आयोजन।
- 3) श्री. राहुल खटे की वरिष्ठ अनुवादक पद पर नियुक्ति पर सत्कार
- 4) भू.पू. छात्रों एवं पालकों से वार्तालाप एवं संवाद प्रस्थापित किया।
- 5) भाषा शुद्धता के लिए विशेष मार्गदर्शन शिबिर आयोजन।
- 6) व्यक्तित्व-विकास हेतु अनेक कार्यक्रमों का आयोजन।
- 7) सेट/नेट मार्गदर्शन पर विशेष कार्यशाला का आयोजन।
- 8) विभागीय नवीनतम अभ्यासक्रम की रोजगार प्राप्ति में उपयोगिता हेतु प्रचार-प्रसार किया।
- 9) वैश्विक एवं अंतरवैश्विक शोध एवं अनुसंधानात्मक प्रवृत्ति को बढ़ावा देने हेतु विशेष व्याख्यानों का आयोजन किया।
- 10) स्थानीय एवं राष्ट्रीय स्तरीय विद्वानों की विभाग को अनौपचारिक भेट आयोजित किया।
- 11) पालक-शिक्षक सभा दि. 7/1/2011 को प्रो. शंकर बुंदेले की अध्यक्षता में संपन्न।
- 12) भूतपूर्व छात्रों की सभा दि. 8/1/2011 को प्रो. शंकर बुंदेले की अध्यक्षता में संपन्न।
- 13) हेल्टी प्रेक्टीसेस के अंतर्गत मा. कुलगुरु द्वारा हिंदी भाषा संप्रेषण केंद्र की स्थापना संयोजक - प्रो. शंकर बुंदेले
- 14) प्रो. शंकर बुंदेले द्वारा रेमिडियल कक्षाओं का मार्गदर्शन संपन्न।
- 15) श्री राहुल खटे का रोजगारान्मुख व्याख्यान
- 16) प्रो. सुरज पालीवाल का रोजगारान्मुख व्याख्यान
- 17) भगवान वैद्य 'प्रखर' हिंदी से रोजगार व्यावसायिक मार्गदर्शन दशा और दिशा गतिविधियाँ
- 18) डॉ. संजय धोटे का चयन असिस्टेंट प्राध्यापक के पद पर यशवंत महाविद्यालय वर्धा
- 19) कु.कमलिनी पशीने का चयन महात्मा गांधी खादी ग्रामोद्योग वर्धा में वरिष्ठ अनुवादक के पद पर

**डॉ. शंकर बुंदेले के परामर्श पर मा. कुलगुरु द्वारा विजिटिंग फेलो की नियुक्ति**

1. डॉ. किशोर वासवानी, महात्मा गांधी अंतरराष्ट्रीय हिंदी विश्वविद्यालय, वर्धा एवं अहमदाबाद  
जनसंचार माध्यमों की हिंदी, फिल्मों की भाषा, संवाद लेखन, आकाशवाणी वार्ता आदि पर Projector, स्लाइड्स slides, संगणक Computer, Films द्वारा विषय पर मार्गदर्शन दि. 06-12-2010 से 20-12-2012 तक

45. List the teaching methods adopted by the faculty for different programmes.
- Demonstration
  - Problem solving method
  - Teaching with help of Audio-Visual Hindi
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
- By taking feedback.
47. Highlight the participation of students and faculty in extension activities.
- There are two activities under TRDEA- 1.Rashtrabhasha Prachar Kendra 2.Rajbhasha Prashikshan Kendra
- **विभागीय शिक्षा, विस्तार, विकास एवं अनुसंधान (T.R.D.E.A.) की गतिविधियों के संयोजक -**
- हिन्दी अध्ययन, अनुसंधान मंडल की स्थापना - उद्घाटक-श्री भगवान वैद्य प्रखर 21/01/11
  - 'राजभाषा प्रशिक्षण केंद्र' द्वारा आयोजित कार्यशाला 'राजभाषा हिंदी एवं अनुवाद कार्यशाला' संयोजक - डॉ.शंकर बुंदेले 04/03/11
  - 'राष्ट्रभाषा प्रचार केंद्र' द्वारा आयोजित 'भाषा-संगोष्ठी' के संयोजक - डॉ.शंकर बुंदेले 21/03/11
  - विभागीय गतिविधित्तर्गत 'राष्ट्रभाषा प्रचार केन्द्र' द्वारा प्रति सप्ताह रविवार को श्रीराम कला वाणिज्य व विज्ञान महाविद्यालय, कु-हा एवं अन्य स्थानीय छात्र-छात्राओं को हिंदी साहित्य का निःशुल्क मार्गदर्शन शिविर विभाग में निरंतर जारी रहा, जिससे हिंदी का व्यापक पैमाने पर प्रसार हुआ।
48. Give details of "beyond syllabus scholarly activities" of the department)
- Guest Lectures and Seminars
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. –
- Nil
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- In the field of research on new subjects with the help of Internet and other sources.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.
- This is unique Job Oriented Course in Maharashtra, unsufficient of Staff and Building.

- Inadequate staff
- High job opportunity.

52. Future plans of the department.

- हिंदी विभाग में आगामी वर्षों में निम्नांकित पाठ्यक्रम प्रारंभ करना –

पाठ्यक्रम	अवधि
1. एम.ए.(हिंदी) का अभ्यासक्रम प्रारंभ करना।	2 वर्ष
2. पोस्टग्रेज्युएट डिप्लोमा (सृजनात्मक लेखन)	1 वर्ष
3. स्क्रिप्ट-लेखन डिप्लोमा	6 माह
4. पी.जी. डिप्लोमा (दृश्य-श्राव्य माध्यम की भाषा एवं सिनेमा)	1 वर्ष

- 2. भाषा प्रयोगशाला की विनिमिति करना।
- 3. भाषा-भवन का विनिर्माण करवाना।
- 4. दो-दिवसीय अंतरराष्ट्रीय संगोष्ठी का आयोजन करना- वर्ष 2016

➤ विषय - ‘मॉरिशस के हिंदी साहित्य में भारतीय संस्कृति’

- विश्वविद्यालय के हिंदी विभाग में अंतःअनुनासिक शोध को बढ़ावा देना।
- प्री-पीएच.डी. कोर्स प्रारंभ करना।
- भाषिक स्टुडिओं का निर्माण करना।
- विभाग द्वारा विश्वविद्यालय अनुदान आयोग, नई दिल्ली संस्थान से बृहद् अनुसंधान परियोजना (MRP) विषय - ‘महाराष्ट्र में मराठी एवं हिंदी पत्रकारिता का तुलनात्मक अनुशीलन’ पर शोध- कार्य करवाना।



## Evaluative Report of the Department

1. Name of the Department : **Department of Education**

2. Year of establishment : 1990

3. Is the Department part of a School/Faculty of the university?  
NA

4. Names of programmes offered :

Level of the Programme	Name of the Programme	Duration	Intake capacity	Faculty
PG	M.Ed.	1 year	35	Education
Doctoral	Ph.D.	2-6 years	08	

5. Interdisciplinary programmes and departments involved  
Nil

6. Courses in collaboration with other universities, industries, foreign institutions, etc.  
Nil

7. Details of programmes discontinued, if any, with reasons  
Nil

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System  
Annual

9. Participation of the department in the courses offered by other departments  
No

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	00	00	---
Associate Professor	01	00	----
Assistant Professor	01	01	---
Other (Specify)			

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

S. N.	Name	Qualification	Designation	Gender (M/F)	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 years
01	Dr G. L. Gulhane	M.Sc.(Maths)., M.Ed., Ph.D., DIT	Astt. Professor & Head	M	Informal Education	10	11

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Year	Name of senior Visiting Fellows	Name of adjunct faculty	Name of emeritus professors
2011-12	Dr(Smt) V VThakare, Hon'ble Member of MC, Indira Gandhi Open University, New Delhi	---	---

13. Percentage of classes taken by temporary faculty – programme-wise information

S. N.	Year	No. of CHB	Percentage of Classes taken by Temporary Faculty
01	2014-15	08	65
02	2013-14	08	61
03	2012-13	08	61
04	2011-12	06	23
05	2010-11	03	23

14. Programme-wise Student Teacher Ratio

S. N.	Year	Student Teacher Ratio
01	2014-15	35:1
02	2013-14	35:1
03	2012-13	35:1
04	2011-12	35:2
05	2010-11	35:2

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Sr. No.	Name of the Post	No. of Sanctioned Posts	No. of Filled Posts	No. of Vacant Posts
01	Helper	01	01	--

- Teacher Education
- Value Education
- Administration and Planning
- Environmental Education
- Informal Education
- Tribal Education
- Special Education

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Nil

18. Inter-institutional collaborative projects and associated grants received

- a) National collaboration: Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

S N	Name of Faculty (PI/Co-PI)	Title of Project	Funding Agency	Total Grants Sanctioned	Duration & Year of Sanction	Status Ongoing/Co mpleted
1	Dr. G. L. Gulhane	Sensory and Mobility Disabilities in Primary Schools Students and their Academic Achievement: A Study in Amravati Division of Maharashtra	ICSSR, New Delhi	5,39,650	2 years (2012-13)	Completed
1	Dr. G. L. Gulhane	Educational Problems of Tribal Students at Primary School Level in Melghat Area of Maharashtra.	UGC	1,40,000	18 Months (2010-11)	Completed

20. Research facility / centre with

The Department of Education provides basic as well as advanced research facilities i.e.

- Current Research Journals
- Educational Abstracts ( Volumes of M.B. Buch)
- Internet facility
- Departmental Library
- Computer, DLP, TV, MVP Presenter and OHP etc.

21. Special research laboratories sponsored by / created by industry or corporate bodies

Nil

## 22. Publications:

## 22.1 Research Articles/Publication:

S N	Name of Authors	Title of Paper	Name of the Journal and Vol. No., Year, Page No.	Status National/ International	ISSN/I SBN No of Journal	I.F. (if any	h- Ind ex	Citati on Index	Listed in Internati onal Databas e
2014-15									
1	Dr G. L. Gulhane (April-14)	Factors Affecting Tribal Primary Education	International Inventive Multidisciplinar y Journal (Online Journal) Page No. 16-25 Vol II( IV) www.inventivep ublication.com	National	ISSN 2348- 7135	---	---	---	---
2	Dr G. L. Gulhane (Dec-14)	Visually and Hearing Impaired Students and Their Academic Achievement	Journal of ARTS & EDUCATION: A Peer Reviewed International Journal; Vol I (IX) www.saiompubl ication.com	International	ISSN 2348- 3520	---	---	---	---
3	Dr G. L. Gulhane (Dec-14)	Perception of Parental Behavior and its Impact on Academic Performance of Sensory and Mobility Impaired Students	SanshodhanChe tna Page No. 11-21 www.sanshodha nchetana.com Vol 3(III)	National	ISSN 2310- 5525	---	---	---	---
2013-14									
1	Dr G. L. Gulhane (Oct-2013)	Effectiveness of Inclusive School Activities on Academic Performances of Disabled Students	Scholarly Research Journal For Interdisciplinary Studies, Vol. II(VIII), Page No. 489- 495 (Online Journal)	National	ISSN 2278- 8808	1.38	---	---	---
2012-13									
1	Dr G. L. Gulhane (Nov- 2012)	Research Trends in Teacher Education,	Scholarly Research Journal For Interdisciplinar y Studies, Vol.	National	ISSN 2278- 8808	---	---	---	---

			I(III), Page No. 734-740 ( Online Journal)						
2	Dr G. L. Gulhane (Jan-2013)	Consolidation of Teacher Training Institutes for Peace Education-A study,	Research Bulletin, An international Quarterly Journal, Amravati Vol. 14, Page No. 36-40	National	ISSN 2231-1025	---	---	---	---
2011-12									
1	Dr G. L. Gulhane (July-2011)	Effective Teaching Strategies	Research Bulletin, An international Quarterly Journal, Amravati Vol. 8(Page No. 28-32)	National	ISSN 2231-1025	---	---	---	---
2	Dr G. L. Gulhane (Nov-2011)	Effective integration of ICT in Teacher Education	MIER Journal of Educational Studies Trends & Practices, Jammu-180 001 Vol. 1 (2)Page No.197-203)	National	ISSN 097682 03	---	---	---	---

## 22.2 Books Written/ Edited:

S. N.	Name of Authors	Title of Book	Name of Publisher	ISSN/ISBN No.	No. of Pages	Acted as (Editor/ Author)
2012-13						
1	Dr G.L. Gulhane (10 <sup>th</sup> October 2012)	Learning Disability	Nabhpublishment, Amravati	978-81-907576-52-1	208	Author
2	Dr G.L. Gulhane (6 <sup>th</sup> January 2013)	Research and Statistics	Anu Publications, Meerut (UP)	978-93-82166-07-8	312	Author
2010-11						
1	Dr G.L. Gulhane (25 <sup>th</sup> July 2010)	Educational Researches	Gaurao Publications, Amravati	978-81-907054-1-7	224	Editor

## 22.3 Monographs/ Chapters in Book/s Written/Edited:

S. N.	Name of Authors	Title of Book	Title of Chapter	Name of Publisher	ISSN/ISBN No.	Page No.	Contributed As (Editor/Aut hor)
1	Dr G. L. Gulhane	Teacher Education	Constructivism in	APH Publishing	978-81-313-1316-9		Author

		Issues and Challenges	Teacher Education	Cor, Ansari Road, DaryGanj, N Delhi; Jan 2012		114-119.	
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## 22.4 Publications in Conference/Seminar Proceedings:

S N	Name of Authors	Title of Paper	Name of the Conference/Seminar/Workshop	Status National/International	ISSN/ ISBN No (if any)	Name of Organizing Agency	Duration and Date	Volume and Page No. of Proceedings
2011-12								
1	Dr G. L. Gulhane	Dr.BabasahebAmbedkar's Educational Thoughts.	International Conference on Relevance of Dr Ambedkar's Thoughts in the present age.	International	ISSN No. 0977-0298	Dr Dr.Ambedkar Study Centre, TakshashilaMahavidyalaya, Amravati	August 27-28, 2011	Vol. I Page No. 16-19;
2	Dr G. L. Gulhane	Factors Affecting the Standard of Primary Education.	National Conference on Role of Education, Physical Education and Sports to make India Super Power 2020	National	ISBN No. 978-93-81733-01-1	Dr Nandurkar's College of Physical Education, Yavatmal	January 7-8, 2012	Page No. 18-25
2010-11								
1	Dr G. L. Gulhane	Constructivist Learning Approach	.National Conference on Constructivism in Education Organized by	National	----	Pujabhai College of Education, Gondia	June 24-25, 2010.	Page No. 18-21
2	Dr G. L. Gulhane	Integrating Educational Technology in Constructivist Learning Environment .	International Conference on 'Current Trends in Education, Physical Education & Sports' during	International	ISSN No. 0977-0277	ShriShivaji College of Education, Amravati	12-13March 2011	Page No. 113-117

## 23. Details of patents and income generated

Nil

## 24. Areas of consultancy and income generated

Nil

## 25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

Nil

26. Faculty serving in  
a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Nil

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

➤ Faculties are motivated to attend Refresher/ Orientation/ Workshops/ Specialized Training Programmes/ Industrial Interaction to achieve excellence in teaching and research.

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects - Nil
- percentage of students doing projects in collaboration with other universities / industry / institute - Nil

29. Awards / recognitions received at the national and international level by

S. N.	Year	Name of the Faculty <sup>1</sup> /Doctoral <sup>2</sup> /post Doctoral Fellow <sup>3</sup> /Student <sup>4</sup>	Award / Recognition	Conferring Organization	Level (National/ International)
1	2014-15	Dr G. L. Gulhane	Utkrushta Seva Gaurao Puraskar on 1 <sup>st</sup> May 2014	SGBA University, Amravati	University
2	2013-14	Dr G. L. Gulhane	Dr Anand Wasker Utkrushta Granth Puraska- "Research and Statistics" on 12 <sup>th</sup> January 2014	By Y C M Open University, Nashik and Maharashtra State Secondary Teacher Educators' Association	National

30. Seminars/ Conferences/Workshops organized and the source of funding (national international) with details of outstanding participants, if any.

S. N.	Name of the Conference/ Seminar/ Workshop	Status National/ International	Name of Chairman/ Organizing Secretary/ Convenor	Funding Agency with Funds (if any)	Collaborators (if any)	Duration, Date and Venue
2013-14						
1	Human Development	Sate Level	Dr G. L. Gulhane	YASHA DA, Pune	--	3 <sup>rd</sup> Septembe

						r 2013
2012-13						
1	Teaching Skills	Sate Level	Dr G. L. Gulhane	SGBA University	--	17 <sup>th</sup> October 2012
2011-12						
1	Gender and Education	University Level	Dr G. L. Gulhane	SGBA University	Women's Study Centre, SGBAU	12 <sup>th</sup> March 2012

31. Code of ethics for research followed by the departments

- Transperancy and sincerity of research

32. Student profile programme-wise:

Year	Admitted to First Year of the Course			Pass Percentage of Students	
	Boys	Girls	Total	Boys	Girls
2014-15	07	28	35	Result awaited	Result awaited
2013-14	06	28	34	84	100
2012-13	07	28	34	100	100
2011-12	13	22	35	100	100
2010-11	08	27	35	100	100

33. Diversity of students

Name of the Programme	Year	Percentage of students from the same university	Percentage of students from other universities within the State	Percentage of students from Universities outside the State	Percentage of students from other countries
M.Ed.	2014-15	88.57	11.43	00	00
	2013-14	91.43	8.57	00	00
	2012-13	88.57	8.57	2.86	00
	2011-12	74.29	25.71	00	00
	2010-11	82.86	17.14	00	00

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

- 38 students cleared NET and SET during 2010-11 to 2014-15



Details category-wise.

NET/SET Qualified Students

SN	Name of students	Year	NET/SET
1	Shri Gajanan S. Sharma	2010	NET
2	Ku. Ashwini A. Thakare	2010	SET
3	Ku. Shilpa K. Polpelliwar	2010	SET
4	Ku. Pranita M. Shambharkar	2010	SET
5	Ku. Rajani D. Shionikar	2010	SET
6	Shri Prakash M. Sonune	2010	SET
7	Shri Devendra W. Wakode	2010	SET
8	Shri Rajesh A. Bole	2010	NET JRF
9	Ku. Shital Vidhate	2011	NET
10	Shri Nimbaji Medhe	2011	NET
11	Ku. Ekata Tayade	2012	NET
12	Ku. Kavita Meshkar	2012	NET/SET
13	Ku. Priti Ambadkar	2013	SET
14	Ku. Swati Gondane	2013	SET
15	Ku. Sheetal Lokhndkar	2013	SET
16	Ku. Poonam Patil	2013	NET/SET
17	Ku. Snehal Ganar	2013	SET
18	Ku. Sheetal Gawande	2013	SET
19	Ku. Prachi Thoukkar	2013	NET
20	Shri Rahul Rajas	2013	SET
21	Shri Bhupendra Nagle	2013	SET
22	Shri Vipul Patankar	2013	SET
23	Shri Umesh Raut	2013	SET
24	Ku. Meenakshi Wankhede	2013	SET
25	Shri Atul Aurangpure	2014	NET/SET
26	Shri Vaibhav R. Armal	2014	SET
27	Shri Nandkishor Gawai	2014	SET
28	Ku. Chanchal Datir	2014	SET
29	Shri Yogesh Kothale	2014	SET
30	Ku. Amruta Baghel	2014	SET
31	Ku. Ashwini Hiwase	2014	NET JRF/ SET
32	Ku. Pranali Dhakulkar	2014	SET
33	Ku. Arpita Bodakhe	2014	SET
34	Shri Charan Khirade	2014	SET
35	Shri Pritam Palthe	2014	NET/SET
36	Shri Harshwardan Ladhe	2014	NET
37	Shri Sidhharth Wankhade	2014	NET
38	Ku. Priya Inzalkar	2014	NET

## 35. Student progression

Student Progression	Percentage against enrolled
UG to PG	--
PG to M. Phil.	15%
PG to Ph.D.	10%
Ph.D.to Post Doctoral	--
Employed <ul style="list-style-type: none"> <li>▪ Campus Selection</li> <li>▪ Other than campus recruitment</li> </ul>	--
Entrepreneurs	

## 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	
from other universities within the State	100%
from universities from other States from	
universities outside the country	

## 37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

## 38. Present details of departmental infrastructural facilities with regard to :

- Library : In departmental library around 100 books and some reviews
- Internet facilities for staff and students : Yes, in classroom and staff room
- Total number of class rooms : 02
- Class rooms with ICT facility : Yes , DLP
- Students' laboratories : Not essential
- Research laboratories : Yes, research reviews, research reports, thesis, dissertations, etc.

## 39. List of doctoral, post-doctoral students and Research Associates :

## a) from the host institution/university

S. N.	Name	Doctoral/post-doctoral / Research Associate	Duration of Fellowship
01	Shri Shriram Panzade	Ph.D. (Education)	Education
02	Sau. Sweta Satturwar	Ph.D. (Education)	Education
03	Shri Shivraj Kombe	Ph.D. (Education)	Education
04	Shri Gunwant D. Sonwane	Ph.D. (Education)	Education
05	Shri Avinash Kowade	Ph.D. (Education)	Education
06	Shri Harish S. Mohokar	Ph.D. (Education)	Education
07	Shri Kamlesh Gupta	Ph.D. (Education)	Education
08	Shri Ashok Somvanshi	Ph.D. (Education)	Education

09	Ku Kiran Dhande	Ph.D. (Education)	Education
10	Shri Suhas Umale	Ph.D. (Education)	Education
11	Shri Sunil Gawande	Ph.D. (Education)	Education
12	Shri Ashok Rode	Ph.D. (Education)	Education
13	Shri Gajanan Sharma	Ph.D. (Education)	Education
14	Shri Shirishkumar Mahaptra	Ph.D. (Education)	Education

b) from other institutions/universities

Nil

40. Number of post graduate students getting financial assistance from the university.

Nil

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

No

42. Does the department obtain feedback from

i. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes

ii. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes

iii. Alumni and employers on the programmes offered and how does the department utilize the feedback? Yes

43. List the distinguished alumni of the department with their designation and address (maximum 10):

SN	Name of Alumni	Designation	Address
01	Shri B. C. Rathod	Assistant in CBI, Mumbai Circle	At Post Uchegaon, Tal. Darwaha, Dist: Yavatmal
02	Ku. SujataTayade	Principal	Late LalasahebDeshmukh College of Education, Tiosa
03	ShriDevendra W. Wakode	Asst. Professor	Uttamrao D.Ed. College, Shegaon,Dist. Buldana
04	Ku.Vaishali P. Raibole	Asst. Professor	Samartha College of Education, Nashik
05	ShriRajesh A Bole	Asst. Professor	Swa. NarmadabaiBodkhe College of Education, Telhara
06	ShriShidharthaWankhade	Asst. Professor	SNDT Women B.Ed. College, Wardha
07	ShriHarshvardhanLadhe	Asst. Teacher	Secondary School, RayatShikshanSanstha, Satara
08	Ku. SangeetaBihade	Asst. Professor	ShriShivaji College of Education, Amravati
09	Ku. SnehalGanar	Asst. Professor	Tare B.Ed. College, Paratwada
10	ShriPritamPalthe	Assistant Teacher,	ZillaParishad School, Nashik

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.(Note: Give list and date)

SN	Date	Activity	Guest/Speaker
01	20.08.10	Educational Lecture on Brain based learning theory.	Dr. Smt. Patankar, Head, P G Department of Education, Shivaji University, Kolhapur.
02	05.09.10	Teacher's Day	DrKotwani, SavitribaiPhule College of Education, Akot
03	08.09.10	Literacy Day	Dr Mohan Kherde, Librarian, SantGadge Baba Amravati University, Amravati
04	01.10.10	Educational Lecture on e-book	Prof. M N Deshmukh, Adjunct Professor, Dept of Education, Mumbai University
05	18.10.10	Educational Lecture on Solar System	ShriGirulkar, Astronomy Society, Amravati
06	10.12.10	Human Rights Day – Its importance in present scenario	Dr V S Chobey, Head, P G Department of Law, SantGadge Baba Amravati University, Amravati
07	11.12.10	Educational Lecture on Value Education	Dr A G Matani, Professor, Department of Mechanics, Govt. Engineering College, Chandrapur
08	15.12.10	Educational Lecture on Effective use of IT	Prof. M N Deshmukh, Adjunct Professor, Dept of Education, Mumbai University
09	03.01.11	SavitribaiPhuleJayanti& Opening of Cultural Programme – Rangoli	Dr B. R. Waghmare, COE, SantGadge Baba Amravati University, Amravati
10	04.01.11	Educational Lecture on RTI	Shri Vilas Nandurkar, PRO, SantGadge Baba Amravati University, Amravati
11	10.01.11	Educational Lecture on Green Teacher	Prof. G N Vankhede, Head, Department of Zoology. SGBAU
12	4.03.2011	Educational Lecture on Interdisciplinary Research	Dr K. B Nayak, Head, P G Department of Sociology, SantGadge Baba Amravati University, Amravati
13	06.09.2011	Teacher's Day	Dr E N Gawande, Ex Principal, ShriShivaji College of Education, Amravati
14	08.09.2011	Literacy Day – Internet Literacy	Dr Mohan Kherde, Librarian, SGBAUA
15	17.10.2011	Educational Lecture Visiting Fellow 10-16 October	Dr(Smt) V VThakare, Hon'ble Member of MC, Indira Gandhi Open University, New Delhi
16	09.11.2011	Educational Lecture on Effective use of IT	Prof. M N Deshmukh, Adjunct Professor, Dept of Education, Mumbai University. Dr S R Patil, Principal, STC, Mumbai

			Prof. Morande, Chairman, BOS.
17	15.11.2011	Educational Lecture on Inculcation of Value Education	Dr S M Mulavkar, Govt. College of Education, Ambejogai
18	18.11.2011	Learning Style	Dr. SanjivaniMahale, Astd. Professor, YCM Oen University, Nashik
19	25.11.2011	NET / SET Workshop	Prof. KamlakarPayas, TakshashilaMahavidyalaya, Amravati
20	05.12.2011	Educational Lecture on Evaluation of Research	Dr H N Jagtap, Professor & Head Dept. of Education, Solapur; DrYasuf Khan
21	10.12.2011	Human Rights Day	Dr V S Chobey, Head, P G Department of Law, SGBAU, Amravati
22	12.01.2012	Swami Vivekanand&Rashtramata JijauJayanti	Dr. O P Omanwar, Professor & Head, Department of Physics
23	22.02.2012	Educational Lecture on ICT in Reviews of Literature	Prof. SachinSakarkar, Librarian, ShriShivaji College, Morshi
24	24.02.2012	Educational Lecture	DrPrakashNandurkar, Dean Faculty of Education
25	10.03.2012	Lecture on Guidance & Cancellling	Dr S R Patil, Principal Govt. College of Education, Mumbai
26	12.03.2012	Workshop on "Gender and Education"	Prof. M N Deshmukh, Prof. Shivnekar, Dr N A Wankhade, Principal, SS B Ed College, Amravati DrChoukhande, HOD, Lib. Sc.
27	15.03.2012	Prize Distribution and Educational Lecture on "Future Teacher"	Hon'ble Prof J A Tidke, Director, BCUD, SGBAU, Amravati
28	21.09.2012	Educational Lecture on Astronomy and Human Being	ShriGirulkar, Astronomy Society, Amravati
29	15.10.2012	Educational Lecture on Stress and Students	Dr(Smt) GaouriHardikar, Associate Professor, Mumbai University, Mumbai
30	17.10.2012	Workshop on "Teaching Skills"	Hon'bleDr Mohan Khedkar, VC, SantGadge Baba Amravati University, Amravati; Dr.H.N. Jagtap;DrBondarde, Solapur University, Solapur
31	02.11.2012	Educational Lecture on Research Proposal	Dr Y. H. Saner, Principal, College of Education, Dhule
32	10.12.2012	Our Rights and Accountability	Dr V S Chobey, Head, P G Department of Law, SantGadge Baba Amravati University, Amravati
33	03.01.2013	SavitribaiPhuleJayanti-Educational Work of SavitribaiPhule	Dr N.A. Wankhade, Principal, ShriShivaji College of Education, Amravati
34	12.01.2013	Swami	Dr M L Nankar, Ex Principal, College of

		Vivekanand&Rashtramata JijauJayanti	Education, Nandurbar
35	11.02.2013	Educational Lecture on Mental Health	DrAvinashBhandarkar, College of Education, Ahmadnagar
36	12.02.2013	Educational Lecture-Plagiarism	Dr S.M. Mulavkar, College of Education, Ambejogai
37	13.03.2013	Prize Distribution and Educational Lecture	DrPravinRaghuwanshi, Hon'ble Member of MC, SGBA University, Amravati
38	27.08.2013	Educational Lecture on Adjustment in Life	DrSunutaMagare, Mumbai University, Mumbai
39	03.09.2013	One Day Workshop on "Human Development" in collaboration with YASHADA, Pune	Dr Vijay Kakade, Kolhapur ShriAmolKhandare, Mumbai Dr Ajay Deshmukh, BCUD, SGBAU
40	05.09.2013	Qualities of Teacher	Dr M L Nankar, Ex Principal, College of Education, Nandurbar
41	01.10.2013	Educational Lecture on Code of conduct and Ethics	ShriNageshKasari, Director, In service Training Branch, Mumbai and DrShrikantPatil, SWD, SGBAU
42	08.10.2013	Educational Lecture	Dr Y. H. Saner, Principal, College of Education, Dhule
43	28.10.2013	Educational Lecture – Report Writing	Dr Ashok Jiwtode, Principal, Janata College of Education, Chandrapur; Prof. Mulkulwar, Yavatmal
45	29.11.2013	NET/SET Quiz followed by Educational Lecture	Dr S D Katore, hon'ble MC Member, SGBAU, Amravati
46	03.02.2014	Felicitation of Dean	Dr M Lakade, Date College of Physical Education, Yavatmal
47	14-21 February, 2014	Field Visit to S P College of Education, Amravati	Dr.G L Gulhane, Prof VaibhavArmal, Prof. ShrikantNikam and Dr A B Deshmukh, Principal, S P College of Education, Amravati
48	24.02.2014	Educational Lecture on Qualitative Research	Dr H N Jagtap, Solapur University, Solapur, Dr S Bute, Govt. College of Education, Akola and Dr E N Gawande
49	05.03.2014	Cultural Programme	Prof. ShantaGadge, Dr A B Deshmukh Prof. ArchanaPokale, Prof MalatiYadao and Prof KavitaThakare
50	07.03.2014	Prize Distribution and Educational Lecture	Dr Ajay Deshmukh, Director, BCUD, SGBAU, Amravati
51	19/08/14	Educational Lecture on Effective Teaching Learning	Dr S G Agarkar, Baba Atomic Institute, Mumbai
52	20/08/14	Educational Lecture on Special Education	DrKalpanaBelokar, Govt. B.Ed. College, Ambejogai, Beed
53	05/09/14	Teacher's Day	Prof M L Nankar, Ex Principal, College of Education, Nandurbar and Prof. P.L. Nanakr

54	08/09/14	Computer Literacy	Dr Mohan Kherde, University Librarian SGBA University
55	20/09/14	Educational Lecture on Open Distance Education	Dr. KavitaSalunke, YCMO University, Nasik and Dr E. N. Gawande, Ex Principal, SSC of Education, Amravati
56	30/09/14	Experimental Designs in Educational Research	DrLeenaDeshpande, SNDT University, Pune and Dr V VThakare

45. List the teaching methods adopted by the faculty for different programmes.
  - Conventional Class room teaching with chalk & black board
  - Power Point Presentation Question answer method
  - Brainstorming on a selected topic of the subject
  - Interactive Teaching Methodology
  - Special tutorials for numerical problems solving in Research & Statistics
  - Conducting seminar competition among trainees to generate interest
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
  - The knowledge and teaching acquired by the teacher trainees are monitored through their success in placement activity.
  - Through home assignment, seminar, periodically tests, remedial classes and term end examinations.
  - Through continue comprehensive evaluation and feedback from stakeholders.
47. Highlight the participation of students and faculty in extension activities.
  - All the teacher trainees participate in extension activity- “Each One Teach One” organised by the department every year. Under this program, each trainee teaches illiterate person in nearby village and submit the report in December every year.
  - Cleanliness Program: Every Saturday this programme is organized. The students, researchers, teaching and non-teaching members are actively involved in this program.
48. Give details of “beyond syllabus scholarly activities” of the department
  - “Everyday Thought of Educationalist” is the display on the notice board.
  - Also display of current events, communication on job opportunities, information brochures, research articles etc.
  - A group of trainees collect important news paper cuttings and keep in the file.
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.  
**No**
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
  - Generated awareness and skills in research data entry, classification, analysis and interpretation of data.
  - Developed a leadership quality by shouldering responsibility on them for organizing educational lectures in the department.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

➤ **Strengths:**

- Active involvement of trainees, researchers, contributory teachers and non teaching staff in organising various events.
- Publications in highly reputed peer-reviewed and impact factor Journals.
- Strong alumni.
- Rapport with eminent faculty, educationalist from all over the country.
- 100% intake every year in the department.

➤ **Weaknesses:**

- No consultancy in the department
- Inadequate staff.
- Adjunct professor/ chairs

➤ **Opportunities:**

- Job opportunities and placements in the Central and State Govt. In the Department of Education and Higher Education.
- Collaborative, inter-disciplinary/multi-disciplinary research work for solving real-world problems of the society; submission of major research projects to funding agencies such as ICSSR, UGC, NCERT, etc

➤ **Challenges:**

- Collaborative research
- Lack of inclination towards teaching
- Large number of private teacher institutes

52. Future plans of the department.

- To procure additional infrastructure for enriching the quality of research and development in the department.
- To encourage the trainees and research scholars for getting suitable employment opportunities.
- To enhance the facilities for trainees such as computer lab, internet facilities etc
- To obtain more research projects for generating financial assistance.
- To publish research papers in high impact factor journals.
- To have more research collaborations at international and national level.
- To start the PG course in Special Education.



## Evaluative Report of the Department

1. Name of the Department : **Department of Biotechnology**

2. Year of establishment : 1994

3. Is the Department part of a School/Faculty of the university?  
NA

4. Names of programmes offered :

Level of the Programme	Name of the Programme	Duration	Intake capacity	Faculty
PG	M.Sc. (Biotechnology)	2 years	20	Science
Ph.D	Ph.D. (Biotechnology)	2 years	32	Science

5. Interdisciplinary programmes and departments involved  
Nil

6. Courses in collaboration with other universities, industries, foreign institutions, etc.  
Nil

7. Details of programmes discontinued, if any, with reasons  
Nil

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System  
Semester - Choice Based Credit System

9. Participation of the department in the courses offered by other departments  
Yes- As per the CBCS

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	01	01	03
Associate Professor	02	02	01
Assistant Professor	04	02	03
Other (Specify)			

## 11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

S. N.	Name	Qualification	Designation	Gender (M/F)	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 years
1	Dr M K Rai	M.Sc, Ph.D	Professor	M	Microbial Biotechnology Nano Biotechnology	32	10
2	Dr P A Wadegaonkar	M.Sc, Ph.D, NET	Professor	M	Bioprocess Technology/Bioinformatics	20	5
3	Dr (Mrs.) A S Patil	M.Sc, Ph.D, Post Doc, NET	Professor	F	Microbial Biotechnology Phyto secondary Metabolites	19	5
4	Dr P V Thakare	MSc PhD, SET	Associate Professor	M	Molecular Biology, DNA barcoding	19	04
5	Mr. S D Kove	M.Sc, NET	Assistant professor	M	Metagenomics Bioinformatics	9	Nil
6	Dr A. K Gade	M.Sc, Ph.D, Post Doc, NET	Assistant professor	M	Nanobiotechnology Bioinformatics	11	Nil
7	Mrs V P Wadegaonkar	M.Sc, NET	Assistant professor	F	Drug discovery/animal tissue and cell culture	5	-

## 12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Year	Name of senior Visiting Fellows	Name of adjunct faculty	Name of emeritus professors
2014-15	Prof. Jamaluddin, Emeritus Scientist, RD University, Jabalpur, M.P. (07/01/2015 to 13/01/2015)	-	-
2012-13	Dr. T. G. Shrivastava National Institute of Health and Family Welfare, New Delhi- (03/01/2013 to 09/01/2013)	-	-
2011-12	Prof. Jamaluddin, Emeritus Scientist, RD University, Jabalpur, M.P. ( 20/03/2012 to 26/03/2012)	-	-
2010-11	Prof. D. K. Das, Visiting Professor, TM Bhagalpur University, Bhagalpur, Bihar (02/03/2010 to 08/03/2010)	-	-

## 13. Percentage of classes taken by temporary faculty – programme-wise information

S. N.	Year	No. of CHB	Percentage of Classes taken by Temporary Faculty
1	2014-15	05	17.14
2	2013-14	07	17.14
3	2012-13	05	17.14
4	2011-12	06	17.14
5	2010-11	06	17.14

## 14. Programme-wise Student Teacher Ratio

S. N.	Year	Student Teacher Ratio
1	2014-15	7:4
2	2013-14	4:5
3	2012-13	4:5
4	2011-12	5:5
5	2010-11	4:5

## 15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Sr. No.	Name of the Post	No. of Sanctioned Posts	No. of Filled Posts	No. of Vacant Posts
1	Store keeper	01	01	-
2	Lab Assistant	02	02	-
3	Lab Attendant	04	04	-
4	Peon	01	01	-

## 16. Research thrust areas as recognized by major funding agencies

- Plant biotechnology
- Nanobiotechnology
- Bioprocess technology

17. Number of faculty with **ongoing projects** from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

S. N.	Name of Faculty (PI/Co-PI)	Title of Project	Funding Agency	Total Grants Sanctioned (In Rs.)	Status National/ International	Duration	Ongoing/Completed
2014-15							
1	Dr Wadegaonkar	Confirmation and validation of anticancer properties of Wheat grass ( <i>Triticum aestivum</i> ) using modern	UGC	1886000	National	2015-2017	Sanctioned

		scientific approach.					
	Thakare P V Co-PI	Studies on bacterial colonization and prevention of biofilms in urinary catheters	UGC	132000	National	2015-2017	Sanctioned
	Dr A S Patil PI	Process Development And Characterization Of Antiurolithic Activity Of Bioactive Metabolites Of Selected Medicinal Plants From Melghat Forest Region (Amravati)- PI	RGSC C, Mumbai	28,00000	National	2013-16	Ongoing
	Dr A S Patil PI	In vitro production and process optimization of Camptothecin (An Anticancerous drug) from N. nimmoniana Graham: A rare Endangered medicinal plant from Western Ghats of Maharastra.	UGC	1219000	National	2013-16	Ongoing
2013-14							
1	Dr M.K.Rai PI and Dr A.K.Gade (Co-PI)	Synthesis, Characterization and Bioconjugation of Nanoparticles and their Utilization as a Vehicle for Gene Transfer.	DST (Nanomission)	89,95,600	National	2011-2014	Completed
2	Dr P V Thakare (PI)	AFLP and rbcL analysis of cultivate and wild medicinally species of Chlorophytum from India	UGC	988100	National	1Feb 2010 to 31 <sup>st</sup> July 2013	Completed
3	Dr A S Patil	Process Development And Characterization Of Antiurolithic Activity Of Bioactive Metabolites Of Selected Medicinal Plants From Melghat Forest Region (Amravati).	RGSC C, Mumbai	28,00000	National	2013-16	Ongoing
4	Dr A S Patil	In vitro production and process optimization of Camptothecin (An Anticancerous drug) from N. NimmonianaGraham: A rare Endangered medicinal plant from Western Ghats of Maharastra .	UGC	1219000	National	2013-16	Ongoing
5	Dr P V Thakare (CoI)	Phylogenetic analysis of Dioscorea section Combiliumlasiophytonopsop	UGC	905800	National	1 Feb 2011-31 Jan	Ongoing

		hytonenantiophyllum based on matKsequences and AFLP from corridor of mehghat and western ghats of Maharashtra state				2014	
2012-13							
1	Prof. M K Rai (PI) and A.K Gade (Co-PI)	Rapid detection of toxigenic species of Fusarium secreting T-2 toxin	DRDO, New Delhi	14,90,000	National	2009-2013	Completed
2	Dr A. S Patil	In vitro production and optimization of antimicrobial secondary metabolites i.e Passicol from passiflora species	DST, Fast Track, New Delhi	19,58,000	National	2009-2012	Completed
1	Dr P V Thakare (PI)	AFLP and rbcL analysis of cultivate and wild medicinally species of Chlorophytum from India	UGC	988100	National	1feb 2010 to 31 <sup>st</sup> July 2013	Ongoing
2.	Dr P V Thakare (CoI)	Evulation of MIC and MBCEC of selected antibiotics in biofilm producing uropathogenic E coli	UGC	170000	National	! Feb20 10 to 31 <sup>st</sup> Jan 2012	Completed
3	Dr P V Thakare (CoI)	Phylogenetic analysis of Diascorea section Combiliumlasiophytonopsop hytonenantiophyllum based on matKsequences and AFLP from corridor of mehghat and western ghats of maharashtra state	UGC	905800	National	1 Feb 2011- 31 Jan 2014	Ongoing
2011-12							
1	Prof. M K Rai (PI) and A.K Gade(Co-PI)	Exploitation of plant pathogens for the mycosynthesis of silver nanoparticles for the development of novel antimicrobial	RGS & T Commis sion, Govt. of Mahara shtra, Mumbai	32,00,000	National	2009-12	completed
2	Prof. M K Rai (PI) and A.K Gade (Co-PI)	Rapid identification & evolutionary relationship of selected Indian species of Phoma by using RAPD-PCR and ITS-rDNA sequencing (Dr M.K Rai)	UGC, new Delhi	8,35,800/	National	2008-12	Completed
3	Dr P V Thakare (PI)	AFLP and rbcL analysis of cultivate and wild	UGC	988100	National	1feb 2010	Ongoing

		medicinally species of Chlorophytum from India				to 31 <sup>st</sup> July 2013	
4	Dr P V Thakare(CoI)	Evulation of MIC and MBCEC of selected antibiotics in biofilm producing uropathogenic E coli	UGC	170000	National	Feb20 10 to 31 <sup>st</sup> Jan 2012	Ongoing
5	Dr P V Thakare (CoI)	Phylogenetic analysis of Diascorea section Combiliumlasiophytonopsop hytonenantiohyllum based on matKsequences and AFLP from corridor of mehghat and western ghats of maharashtra state	UGC	905800	National	1 Feb 2011- 31 Jan 2014	Ongoing
2010-11							
1	Prof. M K Rai (PI) and A.K Gade (CO-PI)	Diversity of Endophytic Fungi in Selected Medicinal Plants of Melghat Forest	Dept. of Environ ment and Forest, New Delhi	17,00,000/-	National	2009-2012	Completed
2	Dr. Wadegaonkar	Studies on Isolation and Identification of apoptosis inducer as a novel cancer therapeutics from herbs.	UGC, New Delhi	12,7316/-	National	2009-2012	Ongoing
3	Dr Anita S Patil	Development of Mutants of Trichoderma spp. Using UV Radiation And Protoplast fusion: Determination Of Their Antifungal, Biochemical And Physiological Features	UGC	500000+2 yrs fellowship	National	2009-2011	Completed
4	Dr P V Thakare Co-PI	Evaluation of MIC and MBCEC of selected antibiotics in biofilm producing uropathogenic E coli	UGC	170000	National	Feb20 10 to 31 <sup>st</sup> Jan 2012	ongoing

## 18. Inter-institutional collaborative projects and associated grants received

## a) National collaboration:

Nil

## b) International collaboration:

S. N.	Name of Faculty	Title of Project	Funding Agency	Total Grants sanctioned	Status	Name of the Collaborating Institute	Date of implementation and duration
1	Dr. M. K Rai (PI) and A K Gade (Co-PI) and Prof Nelson Duran (Brazil)	Screening of different Fusarium species for synthesis of silver nanoparticles and their potential for development of novel antimicrobial agents	DST New Delhi	11.71 Lakhs	Completed	Department of Biological Chemistry, University of Campinas	3 years (2009-2012)

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

S. N.	Title of Project	Funding Agency	Total Grants Sanctioned	Duration & Year of Sanction	Status (Complete / Ongoing)
2014-2015					
1	DBT -Creation of Bioinformatics Infrastructure Facility (BIF) For The Promotion of Biology Teaching Through Bioinformatics (BTBI) Scheme of BTISnet	DBT, New Delhi	50,72,000/-	2006-17	Ongoing
2	Special Assistance Program (SAP) DRS	UGC, New Delhi	46,60,000/-	2012-17	Ongoing
2012-13					
2	Special Assistance Program (SAP) DRS	UGC, New Delhi	41,32,289	5 years (2012-13)	Ongoing
2010-11					
1	DST- FIST -Funds for Improving of Science and Technology in Universities and Higher Educational Institutions (FIST)	Department of Science & Technology, New Delhi.	24,30,000/-	5 years (2006-07)	Completed

2	DBT -Creation of Bioinformatics Infrastructure Facility (BIF) For The Promotion of Biology Teaching Through Bioinformatics (BTBI) Scheme of BTISnet	DBT, New Delhi	50,00000/-	11 years (2006-07)	Ongoing
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## 20. Research facility / centre with

## Facilities in the Department:

1. Bioinformatics facility has been established by Department of Biotechnology, Govt. Of India in 2007.  
Under this facility, Computers, Servers, softwares, switches and internet facility has been provided for the students.  
Besides providing Fellowships and studentship by this facility various training program and workshops were organised.  
Grants provided for this are-

Year	Amount (Rs.)
2010-2011	11,72,135
2011-2012	3,66,200
2012-2013	-
2013-2014	-
2014-2015	5,48,000

2. DST-FIST  
UV-vis spectrophotometer  
CO<sub>2</sub> Incubator  
Millipore water purification system  
Handy –PEA (Plant Efficiency Analyzer)  
Computer net working  
Rs. 24,30,000/-
3. DRS-SAP  
Under this facility, has been provided by UGC.  
HPLC and reprographic facility has been provided to the department.  
Grants provided for this are-

Year	Amount (Rs.)
2012-2013	2,97,000
2013-2014	-
2014-2015	2,49,264

21. Special research laboratories sponsored by / created by industry or corporate bodies  
Nil



## 22. Publications:

## 22.1 Research Articles/Publication:

S. N.	Name of Authors	Title of Paper	Name of the Journal and Vol. No., Year, Page No.	Status National/ International	ISSN/IS BN No of Journal	Impact Factor	h-Index	Citation Index	Listed in International Database
2014-2015:									
1	Kuralkar, M., Ingle, A., Gaikwad, S., Gade, A. and Rai, M	Gold nanoparticles: Novel catalyst for the preparation of direct methanol fuel cell (DMFC)	IET Nanobiotechnology	International	2191-9089	1.72	#	--	IET digital library
2	Rai, M., Ingle, A., Gade, A. and Duran, N.	Synthesis of silver nanoparticles by Phoma gardeniae and in vitro evaluation of their efficacy against human disease causing bacteria and fungi	IET Nanobiotechnology	International	2191-9089	1.72	#	--	IET digital library
3	Wrótniak Drzewiecka W, Gaikwad S, Laskowski D, Dahm H, Niedojadło J, Gade, A and Rai M.	Novel Approach towards Synthesis of Silver Nanoparticles from Myxococcus Virescens and their Lethality on Pathogenic Bacterial Cells.	Austin J Biotechnol Bioeng. 1(1): 7.	International			#	--	DOAJ
4	Tidke, P.R.; Gupta, I; Gade, A; and Rai, M	Fungus-Mediated Synthesis of Gold Nanoparticles and Standardization of Parameters for its Biosynthesis.	NanoBioscience, IEEE Transactions on, doi: 10.1109/TNB.2014.2347803	International	1536-1241	1.76	#	--	Pubmed, MEDLINE
5	Bawskar, M., Deshmukh. S., Bansod,	Comparative analysis of biosynthesised	IET Nanobiotechnology	International	2191-9089	1.72	#	--	IET digital library

	S., Gade, A., and Rai, M	and chemosynthesised silver nanoparticles with special reference to their antibacterial activity against pathogens	y DOI: 10.1049/iet-nbt.2014.0032						
6	Rathod DP, Dar MA, Gade AK and Rai MK	Griseofulvin Producing Endophytic Nigrospora oryzae from Indian Emblica officinalis Gaertn: a New Report.	Austin J Biotechnol Bioeng. 2014;1(3) : 5.	International			#	--	DOAJ
7	Bonde SR, Gade AK and Rai MK	Genetic Variations among Ten Isolates of Fusarium equiseti (Corda) Saccardo Isolated from Fruits and Vegetables.	Austin J Biotechnol Bioeng. 2014;1(5) : 5	International			#	--	DOAJ
8	Ghorpade D.S And , Thakare P.V	Phytochemical Screening and Antimicrobial Activity of Chlorophytum Species of Melghat Region	IJPPR 6(1) 2014,141-145	International	ISSN: 0975-4873	--	--	01	Scopus
9	M Rizwan, Bhadange D G, Thakare P V And M Mussiqiq	The antimicrobial Effect of Natural Bioactive compound isolated from soil fungi against K.pneumoniae and MRSA	IJBST;20 14,7(4); 25-30.	International	ISSN: 0974-3987	--	--	--	Google scholar
10	M Rizwan, Bhadange D G, And Thakare P V	Bio active metabolite process development and In vitro antimicrobial studies of Isolated Myrothecium Spp. MRP001 against entic pathogens	Jour. BioPharm a. Biotechnol. 2014,1(6) , 1-6	International	--	--	--	02	-Google scholar

11	S.G Dhaikar , S.S. Deshmukh And Thakare P.V.	Mutation At Qrdr Region Of Gyra Od S.Typhi Isolated From Tertiary Health Care Center Hospital Of Amravati	Int Jour of curr Microbio and App Sci. 3(10); 487-495.	internatio nal	ISSN 2319- 7706	--	--	--	Google scholar
12	YA Ranade, SM Dharmadhika ri, PA Wadegaonkar	Study of antimicrobial activity of Andrographis paniculata against ESBL existing urinary pathogens.	Indian Journal of Applied Research 4 (12), 57-60	National					
13	Anita S Patil , Surendra R Patil , Ankit S Kale	Influence of growth regulators on germination and growth of endangered medicinal plant Nothapodytes nimmoniana j.graham under shade net conditions	Global J Res. Med. Plants & Indigen. Med.   Volume 4, Issue 1   January 2015   01-09	National	ISSN 2277- 4289	#	#	#	Proquest, DOAJ,
14	Jagilinki B.P., Gadewal N., Mehta H., Mahadik H., Pandey V., Anamika, Sawant U., Wadegaonkar P.A., Goyal P., Kumar S. & Varma A.K	Conserved residues at the MAPKs binding interfaces that regulate transcriptional machinery	Journal of Biomolec ular Structure and Dynamics 2015 33(4): 852-860 DOI: 10.1080/0 7391102. 2014.915 764	Internatio nal	ISSN 0739- 1102 (Print), 1538- 0254 (Online)	2.98 3			Scopus
2013-14									
1	Kanhed, P., Birla, S., Gaikwad, S., Gade, A.,Seabra, A.B., Rubilar, O., Duran, N. and Rai, M.	In vitro antifungal efficacy of copper nanoparticles against selected crop pathogenic fungi	Material letters, 115: 13- 17	Internatio nal	0167- 577X	2.32	#	5	Scopus
2	Gade, A. K., Gaikwad, S. C., Duran, N. and Rai, M. K.	Screening of different species of Phoma for Synthesis of Silver nanoparticles	Biotechn ol Appl. Biochem. 60(5):482 -93	Internatio nal	0175- 7598	1.89		6	Scopus

3	Joshi, P. A.; Bonde, S. R.; Gaikwad, S. C.; Gade, A. K.; Abd-Elsalam, K. and Rai, M. K.	Comparative studies on synthesis of Silver Nanoparticles by Fusarium oxysporum and Macrophomina phaseolina and it's efficacy against bacteria and Malassezia furfur	J. Bionanoscience 7: 378-385	International	1557-7910			6	Chemical Abstracts. Elsevier Compendex EMBiologyScopusEngineering
4	Bansod, S., Bonde, S., Tiwari, V., Bawaskar, M., Deshmukh, S., Gaikwad, S., Gade, A. and Rai, M.	Bioconjugation of gold and silver nanoparticles synthesized by Fusarium oxysporum and their use in rapid identification of Candida Species by using: Bioconjugate-Nano-PCR.	Journal of Biomedical Nanotechnology. 9(20):1-10.	International	1550-7033	7.58		3	MEDLINE / Pubmed Scopus
5	Gupta, A., Bonde, S. R., Gaikwad, S. C., Ingle, A., Gade, A. K. and Rai, M. K.	Lawsonia inermis-mediated synthesis of silver nanoparticles: activity against human pathogenic fungi and bacteria with special reference to formulation of an antimicrobial nanogel	IET Nanobiotechnology (in press)	International	2191-9089	1.72		5	IET digital library
6	Gudadhe, J; Yadav, A, Gade, A; Marcato, P D.; Durán, N; Rai, M	Preparation of an agar-silver nanoparticles (A-AgNP) film for increasing the shelf-life of fruits	IET Nanobiotechnology (in press)	International	2191-9089	1.72		1	IET digital library
7	Birla, S. S., Gaikwad, S. C., Gade, A. K. and Rai, M. K.	Rapid Synthesis of Silver Nanoparticles from Fusarium oxysporum by Optimizing Physicochemical Conditions	The Scientific World Journal, 2013 (2013), Article ID 796018, 12 pages	International	2356-6140	1.73		11	DOAJ, Pubmed, MEDLINE

8	Gaikwad, S., Ingle, A., Gade, A., Rai, M., Falanaga, A., Incoronato, N., Galdiero, S. and Galdiero, M.	Antiviral activity of mycosynthesize d silver nanoparticles against Herpes Simplex virus and Human Parainfluenza Virus Type 3	International Journal of Nanomedicine 8: 1–12	International	1178-2013	4.20		14	Pubmed, PMC, MEDLINE
9	Gaikwad, S. C., Birla, S. S., Ingle, A. P., Gade, A. K., Marcato, P. D., Rai, M. K. and Duran, N.	Screening of different Fusarium species to select potential species for the synthesis of silver nanoparticles	J. Braz. Chem. Soc. 24: 1974–1982	International	1151-1152	1.28		6	Web of Science
10	Gade, A. K., Gaikwad, S. C., Duran, N. and Rai, M. K	Green synthesis of silver nanoparticles by Phoma glomerata	Micron 59: 52-59	International	0968-4328	2.06		8	Scopus
11	Pokale, P., Shende, S., Gade, A. and Rai, M.	Biofabrication of calcium phosphate nanoparticles using the plant Mimosa pudica	Environ Chem Lett, DOI 10.1007/s10311-014-0460-8	International	1610-3653	1.90		1	Scopus
12	Rai, M., Birla, S., Ingle, A., Gupta, I., Gade, A., Kamel, A., Marcato, P. and Duran, N	Nanosilver: an inorganic nanoparticle with myriad potential applications	Nanotechnology Reviews. DOI: 10.1515/ntrev-2014-0001	International	2191-9097			--	deGruter
13	Santos, C.A.D, Seckler, M.M., Ingle, A.P., Gupta, I., Galdiero, S., Galdiero, M., Gade, A. and Rai, M.	Silver Nanoparticles: Therapeutical Uses, Toxicity, and Safety Issues	Journal of Pharmaceutical Sciences, 103: 1931–1944	International	1520-6017	3		8	Scopus
14	Amedea B. Seabra, Mahendra Rai, Nelson Durán	Nano carriers for nitric oxide delivery and its potential applications in plant physiological process: A mini review	J. Plant Biochem. Biotechnol. 23: 1-10	International	0971-7811	0.523		2	Scopus
15	Kövcics GJ, Sándor E, Rai	Phoma-like fungi on soybeans	Critical Reviews in	International	1040-841X	6.27		1	Scopus

	MK, Irinyi L.		Microbiology 40(1): 49-62						
16	Rai M, Yadav A.	Plants as potential synthesizer of precious metal nanoparticles: progress and prospects.	IET Nanobiotechnology (Special issue) pp1-8	International	2191-9089	1.72		13	IET Digital Library
17	Anthony Negedu, , Joseph B. Ameh , Veronica J. Umoh , Sundry E. Atawodi , Mahendra K. Rai	Effects of autoclaving on the proximate composition of stored castor (Ricinus communis) seeds	Bioscience 5(2):51-56.	International	2087-3948			--	
18	Rai, Mahendra; P. Ingle, Avinash; R. Gupta, Indarchand; S. Birla, Sonal; P. Yadav, Alka; A. Abd-Elsalam, Kamel	Potential Role of Biological Systems in Formation of Nanoparticles: Mechanism of Synthesis and Biomedical Applications	Current Nanoscience, 9(6): 576 - 587	International	1875-6786	1.45		3	Scopus
19	Rai, M.K,V. Tiwari, László Irinyi, György János Kövics	Advances In Taxonomy of Genus Phoma: Polyphyletic Nature And Role Of Phenotypic Traits And Molecular Systematics	Indian J. Microbiology 54: 123-128	National	0046-8991	0.832		--	Scopus
20	Ingle AP, Duran N, Rai M.	Bioactivity, mechanism of action, and cytotoxicity of copper-based nanoparticles: A review	Applied Microbiology and Biotechnology, 98:1001–1009	International	1432-0014	3.7		7	Scopus
21	Rai, M.K.	Nanobiotechnology Verde: biossínteses de nanopartículas metálicas E suas aplicações como nanoantimicrobianos	Nanotecnologias	International	0009-6725			--	Web of Science

22	Olga, R., Rai, M., Gonzalo Tortella, Maria Cristina Diez, Amedea B. Seabra, Nelson Durán	Biogenic nanoparticles: copper, copper oxides, copper sulphides, complex copper nanostructures and their applications	Biotech Letters 35 (9):1365-1375	International	0141-5492	1.65		11	Scopus
23	Sunil S. Thorat And Prashant V. Thakare	Analysis of Staphylococcus using comparative genomics	IJSER 4(2) 1775-1780.	International	ISSN 2229-5518	--	--	--	Google scholar
24	Kunal Kale And Prashant Thakare	Genus Chlorophytum Ker Gawl.: Medicinally important plant from Ancient Indian literature (Ayurveda)	IJAHM 3(3)1201-1211	International	2249-5746	--	--	--	Google scholar, research gate
25	Wadegaonkar V.P. and Wadegaonkar P.A	Withanone as an inhibitor of survivin: A potential drug candidate for cancer therapy	Journal of Biotechnology 168(2):229-33	International	ISSN: 0168-1656	2.8		2	Scopus
26	Ranade Y.A., Dharmadhikari S.M. and Wadegaonkar P.A	Screening, production, purification and characterization of beta-lactamase from uropathogenic E. coli	European Journal of Experimental Biology, 2013, 3(1):434-442	International	ISSN: 2248 – 9215			2	Scholar Google
27	Bipin Deochand Lade, Anita Surendra Patil and Hariprasad Madhukarrao Paikrao	Efficient genomic DNA extraction protocol from medicinal rich Passiflora foetida containing high level of polysaccharide and polyphenol	Springer Plus 2014, 3:457	International	2193-1801	#	#	#	PubMed, PubMedCentral, SCOPUS, Google Scholar, DOAJ, OCLC, SCImago, Summon by ProQuest
28	Bipin D. Lade, Anita S. Patil, and Hariprasad M. Paikrao	Systematic Optimization of Thin-Layer Chromatography for Wound-Induced Differential Secondary Metabolites in Passiflora foetida.	Journal of Planar Chromatography. 27 (2014) 5, 385–391.	International	ISSN-0933-4173	0.67	#	1	Science Citation Index, Sci Search, Research Alert, Chemistry Citation Index and Current Content/Physical,

									Chemical and Earth Sciences
29	Anita Surendra Patil, Bipin Deochand Lade and Hariprasad Madhukarrao Paikrao	A Scientific Update on Passiflora foetida. European Journal of Medicinal Plants.	European Journal of Medicinal Plants, Vol.: 5, Issue. 2. Science Domain	International	ISSN: 2231-0894 ,	#	#	#	Pubmed, Proquest, ISI web of science, DOAJ, C.A.B abstract
30	Bipin Deochand Lade, Anita Surendra Patil, Surendra Rajaram Patil, Hariprasad Madhukarrao Paikrao	Preliminary Observation of Acaea Virolae: A Natural Enemy of Passiflora Foetida	Discovery Nature, 2014, 9(19), 1-10	International	ISSN 2319-5703	#	#	#	ISI (Thomson Reuters), SCOPUS
31	Anita Surendra Patil, Ankit Subhash Kale and Hariprasad Madhukarrao Paikrao	Screening the In vitro Calcium Oxalate Crystal Inhibition Potential of Abutilon indicum L.: A Common Weed Plant from the Indian Medicine System	Austin J Biotechnol Bioeng. 2014;1(6) : 4.	International		#	#	#	
32	A Patil, S Patil, S Mahure, A Kale	UV, FTIR, HPLC Confirmation of Camptothecin an Anticancer Metabolite from Bark Extract of Nothapodytes nimmoniana (J. Graham)	American Journal of Ethnopharmacology 1(3), 174-185	International	2348-9502	#	#	#	CAS, AAPS, EBSCO, Cite Factor, Academia, SJIF, Pubicon Science Index
33	Bipin D Lade, Anita S Patil, Hariprasad M Paikrao, Ankit S Kale, Kushal K Hire	A Comprehensive Working, Principles and Applications of Thin Layer Chromatography	Research Journal of Pharmaceutical, Biological and Chemical Sciences	National	0975-8585	#	#	#	Scopus, Embase (Elsevier) SCIMAGO, CAS, Index Copernicus, DOAJ, CABI,
2012-13									
1	Meshram, S. M., Bonde, S. R., Gupta, I. R., Gade, A. K. and Rai, M. K.	Green synthesis of silver nanoparticles using white sugar	IET Nanobiotechnology (2013) 7(1): 28-32	International	1751-8741	1.83	#	3	IET digital library



2	Tiwari, V. V., Gade, A. K. and Rai, M. K	A study of phylogenetic variations among Indian <i>Phoma tropica</i> species by RAPD-PCR and ITS-rDNA sequencing	Indian Journal of Biotechnology (2013) 12:187-194	National	0972-5849	0.55	#	1	SciSearch, Biological Abstracts, BIOSIS, Biotechnology citation index
3	Dhuldhaj, U.P., Deshmukh, S. D., Gade, A.K., Yashpal, M. and Rai, M.K.	<i>Tagetes erecta</i> mediated phytosynthesis of silver nanoparticles: an ecofriendly approach	Nusantara Bioscience, (2012) 4(3): 109-112.	International	2087-3948		#	--	DOAJ, Google Scholar and Cross ref
4	Deshmukh, S. D., Deshmukh, S.D., Gade, A.K. and Rai, M.K.	<i>Pseudomonas aeruginosa</i> Mediated Synthesis of Silver Nanoparticles Having Significant Antimycotic Potential Against Plant Pathogenic Fungi	Journal of Bionanoscience (2012) 6 (2): 90-9	International	1557-7910		#	5	Chemical Abstracts. Elsevier Compendex EMBiologyScopusEngineering (EI)
5	Rai, M., Gade, A., Rathod, D., Dar, M. and Varma, A	Review: Mycoendophytes in medicinal plants: Diversity and bioactivities	Nusantara Bioscience, (2012) 4(2): 86-96	International	2087-3948		#	3	DOAJ, Google Scholar and Cross ref
6	Sable, N., Gaikwad, S., Bonde, S., Gade, A. and Rai, M	Phytofabrication of silver nanoparticles by using aquatic plant <i>Hydrilla verticillata</i> ,	Nusantara Bioscience, (2012) 4(2): 45-49.	International	2087-3948		#	7	DOAJ, Google Scholar and Cross ref
7	Dar M, Ingle A and Rai M	Enhanced antimicrobial activity of silver nanoparticles synthesized by <i>Cryptonectria</i> sp. evaluated singly and in combination with antibiotics	Nanomedicine 9:105-110	International	ISSN: 1549-9634	6.69		51	Scopus, Pubmed, MEDLINE
	Kon, Kateryna and Mahendra Rai	Metallic nanoparticles: mechanism of antibacterial action and influencing factors	J Comp Clin Path Res 2(1): 160 -174	International		--	--	4	Scholar Google

8	M. Rizwan Pervez1, M. Musaddiq And Prashant V. Thakare	In-vitro antimicrobial studies of isolated myrothecium spp mrp001 against human pathogens	IJBAMS 2(3) 228-236.	International	ISSN: 2277-2103	--	--	02	Google scholar
9	Ghanwate N A and Thakare P V	Prevention of Biofilm formation in Urinary Catheter by coating Enzymes/ Gentamycin/ED TA	Jour Waset Acad Sci tech. 70.487-489.	International	ISSN2093-2203	--	--	--	--
10	VP Wadegaonkar, PA Wadegaonkar	Withaferin A targets apoptosis inhibitor cIAP1: A potential anticancer candidate	Journal of Applied Pharmaceutical Science 2 (5), 154-157 DOI; 10.7324/JAPS.2012.2527		ISSN: 2231-3354	0.353			
11	Patil A.S and Paikrao H.M	Passiflora foetida linn: a complete morphological And phytopharmacological review.	Int J Pharm Bio Sci. vol. 4(1): (p) 285 – 296. (Elsevier)	International	0975-6299	0.429 Impact factor	#	3	CABI, Chemical Abstracts Service (CAS) (USA), Scopus, Proquest, Scifinder
12	Manjusha Chakranarayana and Anita Patil	Comparison of microscopic, macromorphological producing capabilities of Aspergillus species associated with rhizosphere of groundnut (A.hypogaea L.).	Journal of Chemical, Biological and Physical Sciences. Vol. 3, No. 2, 1327-1337.	National	2249-1929	#	#	#	Chemical Abstract Indexing, Ebesc indexing, Index copernicus, Open J Gate
13	SR Deshmukh, PA Wadegaonkar	Expression of Antioxidant Enzymes in Suspension Cultures of Morinda citrifolia L. and their effect on Antioxidant Activity	Journal of Pharmacy Research 5 (10), 4983-4986	National	ISSN ONLINE :2321-4988 ISSN: 0974-6943	2.667		1	

2011-12									
1	Raheman, F., Deshmukh, S., Ingle, A., Gade, A. and Rai, M.	Silver Nanoparticles: Novel Antimicrobial Agent Synthesized from an Endophytic Fungus Pestalotia sp. Isolated from leaves of Syzygium cumini (L)	Nano Biomed. Eng. 3(3), 174- 178	Internatio nal	ISSN 2150- 5578			31	DOAJ; Google Scholar; Open J- Gate; Pub Med; Medline, Scopus
2	Gade A. K. , Rai, M. K and Kulkarni S. K.	Phoma sorghina, a phytopathogen mediated synthesis of unique silver rods	Internatio nal Journal of Green Nanotech nology, 3 (3) : 153- 159.	Internatio nal	ISSN 1943- 0892			11	Taylor and Francis
3	Gudadhe, J. A., Bonde, S. R., Gaikwad, S. C., Gade, A. K. and Rai, M. K	Phoma glomerata: A Novel Agent for Fabrication of Iron Oxide Nanoparticles	Journal of Bionanos cience 5: 1-5	Internatio nal	ISSN: 1557- 7910			4	Chemical Abstracts. Elsevier Compende x EMBiol ogyScopus Engineering (EI)
4	More, M., Narkhede, C., Deshmukh, S., Gade, A. and Rai, M	Species specific Primer designing-an easy method for identification of Bacillus thuringiensis.	Curr. Trends In Biotech. & Pharmacy , 6(3), 1274- 1280.	National	Print ISSN: 0973- 8916			--	
5	Rai, M. K., Gade, A. K., Gaikwad, S.C., Marcato, P. D and Duran N.	Biomedical applications of Nanobiosensors: The state-of-the- art.	Journal of Brazilian Chemical Society 23 (1) : 14-24.	Internatio nal	ISSN 0103- 5053	1.46		9	Web of Science
6	Rai, M.K., Deshmukh, S.D., Gade, A.K. and Kamel, A.E	Strategic nanoparticle- Mediated gene transfer in plants and animals - a novel approach.	Current Nanoscie nce, 8: 170-179.	Internatio nal	ISSN: 1573- 4137	1.45		3	Scopus
7	Bonde, S. R., Rathod, D. P., Ingle, A. P., Ade, R. B., Gade, A. K. and Rai, M. K	First report of Murraya koenigiimediate d synthesis of silver nanoparticles and its activity	Nanoscie nce Method,1 : 25-36.	Internatio nal	ISSN 2164- 2311			30	Scopus

		against three human pathogenic bacteria							
8	Rai, M. K., Deshmukh, S. D., Ingle, A. P. and Gade, A. K.	Silver nanoparticles: The Powerful Nano-weapon against Multidrug Resistant Bacteria	Journal of Applied Microbiology 112, 841-852	International	ISSN 1364-5072	2.36		124	Scopus
9	V V Madne , S S Dharmidakari and Thakare P.V	Application of statistical model for Enhanced production of xylanase by a thermophilic alkali tolerant Actinomycet spp	Bionano frontier.4(2) 221-223.	interNational	ISSN3921	--	--	--	Google Scholar
10	Thorat sunil and Thakare P V	)Comparison of simple sequence repeats in Staphylococcus strains using in-silico approach	Bioinformatics 8(24): 1182-1186	Internationals	ISSN 0973-2063	0.56	--	--	Google Scholars
11	Ghanwate N A and Thakare P V	Study of Bio film production by Uropathogenic E Coli isolated from Tertiary Health are Centers of Vidharbha region and its correlation with antibiotic susceptibility	Jour. Pu appli microbio. 6(2) 875-879.	international	ISSN: 0973-7510	0.073	1	1	Scopus
12	Undal V. Thakare P V, Choudhary U S., Gawande P A and Deshmukh V S	Estimation of Genetic Diversity among wild Vigna species revealed by RAPD Markers	Annals of Biological Research, 2011, 2 (4) :348-354	International	ISSN 0976-1233	1.0	--	8	Google scholar
13	Jaiswal, J V., Wadegaonkar , P. A., and Hajare, S. W.	The bioflavonoid Galangin suppresses the growth of ehrlich ascites carcinoma in Swiss Albino Mice: A molecular insight	Journal of Appl. Biochem Biotechnol 67(5):1325-39	International	0273-2289	1.68		4	Scholar Google

14	Wadegaonkar, V. P.; Wadegaonkar, P. A	Withaferin A targets apoptosis inhibitor cIAP1: A potential anticancer candidate	Journal of Applied Pharmaceutical Science 2 (5), 154-157	International	ISSN: 2231-3354			1	Researchgate, Scholar google
15	YP Mulay, SM Dharmadhikari, PAWadegaonkar	Multiple antibiotic resistance indexing and extended spectrum beta-lactamases detection in urinary pathogens	Bionano Frontier 4 (1), 43-46						
16	Anita Patil, Aarti Laddha, Ashwin Lunge, Hariprasad Paikrao and Shubhada Mahure	In vitro antagonistic properties of selected Trichoderma species against tomato root rot causing pythium	International Journal of Science, Environment and Technology. Vol. 1, No 4, 2012, 302 – 315.	National	2277-663X	#	#	2	DOAJ, Index copernicus, EBSCOHOST
17	Ashwin Lunge and Anita Patil	Characterization of efficient chitinolytic enzyme producing Trichoderma species: a tool for better antagonistic approach.	International Journal of Science, Environment and Technology, Vol. 1, No 5, 2012, 377 – 385.	National	2277-663X	#	#	#	DOAJ, Index copernicus, EBSCOHOST
18	Patil A.S and Paikrao H.M	Bioassay Guided Phytometabolites Extraction for Screening of Potent Antimicrobials in Passiflora foetida L.	Journal of Applied Pharmaceutical Science. Vol. 2 (9), pp. 137-142	National	2231-3354	#	#	6	CAB, Scopus, Proquest, Open j Gate
19	Anita S Patil and Ashwin Lunge	Strain improvement of Trichoderma harzianum by uv mutagenesis for Enhancing its biocontrol potential against aflotoxigenic	The Experiment. November, Vol. 4(2), 228-242	National	2319-2119	#	#	#	Index copernicus, CAS, Scirus

		aspergillus `species.							
20	Patil Anita S, Paikrao Hariprasad M	A novel regeneration system for a wild passion fruit species (Passiflora foetida L.) Based on direct somatic embryogenesis from leaf explant.	Global J Res. Med. Plants & Indigen. Med. I Volume 1, Issue 10, 485– 495.	National	2277- 4289	#	#	#	Proquest, DOAJ,
21	Anita Patil, Aarti Laddha, Ashwin Lunge, Hariprasad Paikrao and Shubhada Mahure	In vitro antagonistic properties of selected Trichoderma species against tomato root rot causing pythium	Internatio nal Journal of Science, Environ ment and Technolo gy. Vol. 1, No 4, 2012, 302 – 315.	National	2277- 663X	#	#	2	DOAJ, Ind ex copernicus , EBSCO H OST
22	SR Deshmukh, VP Wadegaonkar , RP Bhagat, PA Wadegaonkar	Tissue specific expression of anthraquinones, flavonoids and phenolics in leaf, fruit and root suspension cultures of Indian Mulberry (Morinda citrifolia L.)	Plant Omics Journal 4(1) 6-13	Internatio nal	ISSN: 1836- 3644 (Online ) ISSN:1 836- 0661(Pr int)				
2010-11									
1	Durán, N., Marcato, P. D., Durán, M., Yadav, A., Gade, A. and Rai, M	Mechanistic aspects in the biogenic synthesis of extracellular metal nanoparticles by peptides, bacteria, fungi and plants	Applied Microbiol ogy and Biotechn ology, 90:1609– 1624 (2011).	Internatio nal	0175- 7598	3.26		82	Scopus
2	Bawaskar, M., Gaikwad, S., Ingle, A., Rathod, D., Gade, A., Duran, N., Marcato, P. and Rai, M	A new report on mycosynthesis of silver nanoparticles by Fusarium culmorum.	Current Nanoscie nce, 6 (4): 376-380 (2010).	Internatio nal	1573- 4137	1.47		30	Scopus

3	Gade, A., Gaikwad, S., Tiwari, V., Yadav, A., Ingle, A and Rai, M	Biofabrication of Silver Nanoparticles by Opuntia ficus-indica: In vitro antibacterial activity and study of the mechanism involved in the synthesis.	Current Nanoscience, 6 (4): 370-375 (2010).	International	1573- 4137	1.47		48	Scopus
4	Ingle, A. P. and Rai, M. K.	Genetic diversity among Indian phytopathogenic isolates of Fusarium semitectum Berkeley and Ravenel	Advances in Bioscience and Biotechnology, 2: 142-148	International	2156- 8456			5	Scholar Google, DOAJ
5	Deshmukh. V P., Thakare. P V., Chaudhari. U S, Gawande. P A. And V S. Undal	Assessment of Genetic Diversity among Terminalia Species Using RAPD Markers.	Glo Jour Biotech & Biochem. 4 (2): 70- 74	International	ISN 2078- 466X	--	--	06	Google scholar
6	SR Deshmukh, S Habtariam , PA Wadegaonkar	Antioxidant and Antiproliferative Activity of Root Suspension Culture of Morinda citrifolia L.	Research Journal of Pharmacy and Technology 3 (4), 470-473	International	ISSN 0974- 360X (Online ) ISSN 0974- 3618 (Print)			2	Scopus
7	H. M Paikrao, A.S Patil, V.S Gaikwad, R.D Dhore, P.S Ambaikar S. Bande.	Comparative phylogenetic analysis of Passiflora based on protein marker chloroplast expressed glutamine synthetase (ncpG5) and ribosomal protein S4 (rp S4).	Journal of Advanced Bioinformatic Applications and Research. Vol 1(1). (2010).	National	0976- 2604	#	#	1	Open J Gate, Scirus, DOAJ, CAS
8	Anita Patil	Exploring Passiflora incarnata L. : A medicinal plant secondary metabolites as antimicrobial agent.	Journal of Medicinal Plants Research. Vol 4(4). pp 1496- 1501.	International	1996- 0875	0.97	#	5	CAB Abstracts CABI's Environmental Impact Chemical Abstracts Crop Physiology

									y Abstracts Crop Science Database
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**22.2 Books Written/ Edited:**

S. N.	Name of Authors	Title of Book	Name of Publisher	ISSN/ISBN No.	No. of Pages	Acted as (Editor/Author)
2014-15						
1	Rai, M., Ribeiro, C., Mattoso, L., Duran, N.	Nanotechnologies in Food and Agriculture	Springer	978-3-319-14023-0	347	Editor
2	Kateryna Kon and Mahendra Rai	Microbiology for Surgical Infections: Diagnosis, Prognosis and Treatment	Elsevier	978-0124116290	324	Editor
2013-14:						
1	Mehdi Razzaghi-Abyaneh and Mahendra Rai	Antifungal Metabolites from Plants.	Springer, Germany	978-3-642-38076-1	469	Editor
2	Mahendra Rai and Clemson Posten	Green synthesis of nanoparticles.	CABI, U.K.	978-1780642239	248	Editor
3	Maria de Lourdes T. M. Polizeli, Mahendra Rai	Fungal enzymes.	CRC press, USA	978-1466594548	464	Editor
2012-13						
1	Nicola Cioffi and Mahendra Rai	Nano-Antimicrobials: Progress and Prospects	Springer	978-3642244278	548	Editor
2	Carlos L. Cespedes, Diego A. Sampietro, David S. Seigler and Mahendra K. Rai	Natural Antioxidants and Biocides from Wild Medicinal Plants	CABI, U.K.	978-1780642338	272	Editor
3	Mahendra Rai and Kateryna Kon	Fighting multidrug resistance with herbal extracts, essential oils and their components, USA	Elsevier	978-0123985392	271	Editor
2011-12						
1	Mahendra Rai and Nelson Duran	Metal nanoparticles in Microbiology	Springer	978-3642183119	330	Editor



2	Mahendra Rai, Deepak Acharya, José Luis Rios	Ethnomedicinal Plants: Revitalizing of Traditional Knowledge of Herbs	Taylor and Francis	978-1-57808-696-2	518	Editor
2010-11						
1	Mahendra Rai and George Kovics	Progress in Mycology	Springer & Sci Publisher s, India	978-8172336363	449	Editor
2	Mahendra Rai and Michael Chikindas	Natural antimicrobials for Food Safety and Quality	CABI, UK	9781845937690	384	Editor

### 22.3 Monographs/ Chapters in Book/s Written/Edited:

S. N.	Name of Authors	Title of Book	Title of Chapter added	Name of Publisher	ISSN/ ISBN No.	Page No.	Contributed As (Editor/ Author)
2014-15							
1	Mahendra Rai	Microbial Biodegradation and Bioremediation,	Nano-particle based bioremediation	Elsevier	978-0128000212		Author
2013-14							
1	Mahendra Rai, Avinash Ingle, Indarch and Gupta, Swapnil Gaikwad, Aniket Gade, Olga Rubilar, Nelson Durán	Nanotoxicology	Cyto-, Geno, and Ecotoxicity of copper nanoparticles	Springer Verlag, Berlin, Heidelberg	978-1-4614-8993-1	pp 325-345	Author
2012-13							
1	Dnyaneshwar Rathod, Mudasir Dar, Aniket Gade, Ravi B. Shrivastava, MRai, Ajit Varma	Biotechnology for medicinal plants'.	Microbial Endophytes: Progress and Challenges	Springer Verlag, Berlin, Heidelberg.	978-3-642-29973-5	Pp 101-121	Author
2	Mahendra Rai, Kateryna	Fighting Multidrug	Combining essential Oils with	Academic Press	0124017088	pp 149-164	Author and

	Kon	Resistance with Herbal Extracts, Essential Oils and Their Components	Antibiotics and other Antimicrobial Agents to Overcome Multidrug-Resistant Bacteria				Editor
3	Rai, M., Rathod, D., Ingle, A., Peter Proksh and Kateryna Kon	Biocidal metabolites from endophytes occurring in medicinal plants	Natural Antioxidants and Biocides from Wild Medicinal Plants	CABI publication	9781780642338	56-64	Author
2011-12							
1	I Gupta, N Duran, M Rai	Nanoantimicrobials: Progress and Prospects	Nanosilver toxicity: Emerging concerns and consequences in human health	Springer Verlag, Berlin, Heidelberg	978-3-642-24427-8	pp 525-548	Author and Editor
2	Rai, M., Yadav, A and Cioffi, N	Nanoantimicrobials: Progress and Prospects	Silver nanoparticles as nanoantimicrobials: Bioactivity, Benefits and Bottlenecks	Springer Verlag, Berlin, Heidelberg	978-3-642-24427-8	pp 211-224	Author and Editor
2010-11							
1	M. K. Rai, A P Yadav and A. K. Gade	Metal Nanoparticles in Microbiology	Biogenic nanoparticles: An introduction to what they, how they are synthesized and their applications	Springer-Verlag Berlin Heidelberg, Germany, .	978-3-642-18311-9	pp 1-16	Author
2	M. K. Rai , Alka Yadav and A. K. Gade	Current Research, Technology and Education Topics in Applied Microbiology and Microbial Biotechnology	Mycofabrication, mechanistic aspects and multifunctionality of metal nanoparticles-where are we? And where should we go?	FORMAT EX	978-84-614-6195-0	pp1343-1354.	Author

#### 22.4 Publications in Conference/Seminar Proceedings:

2014-15:

S. N.	Name of Authors	Title of Paper	Name of the Conference/Seminar/Workshop	Status National/ International	ISSN/ ISBN No (if any)	Name of Organizing Agency	Duration and Date	Volume and Page No. of Proceedings
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1	S. D. Kove, A. R. Yadav and P. A. Wadegaonkar	Isolation and identification of fungal end ophytes from Curcuma longa and its bioactivity of secondary metabolites.	Proceeding of UGC sponsored National Conference on Advances in plant Sciences for Sustainable Rural Development			Department of Botany C.T. Bora College, Shirur, Pune., (P.158-168)		
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23. Details of **patents** and income generated

S. N.	Year	Name(s) of the Faculty Member	Type of Patent (National/ International)	Status (Filed/Awarded)
1	2014-15	Dr M K Rai-01	National	Filed
		Dr A S Patil-01	National	Filed
2	2013-14	Dr A S Patil-02	National	Filed
		Dr M K Rai-02	National	Filed
3	2012-13	Dr M K Rai-01	National	Filed and published
		Dr M K Rai-01	International	Filed and published
		Dr A S Patil-02	National	Filed and published
4	2011-12	Dr M K Rai -02	National	Filed and published

24. Areas of **consultancy** and income generated

S. N.	Year	Name (s) of the Faculty Member	Area of Consultancy	Income Generated with Receipt Numbers
2	2013-14	Dept of Biotechnology	Biotechnology	17200=00
3	2012-13	Dept of Biotechnology	Biotechnology	1500=00

## 25. Faculty selected nationally / internationally to visit other laboratories / institutions industries in India and abroad

S. N.	Year	Name of the Faculty	Name of the Laboratory / Institute / Industry visited	Status (National/ International)	Duration
1	2013-14	M. K Rai	Department of Biological Chemistry, University of Campinas, Brazil	International	15 Jan., 2013 to 15 Jan., 2014
2	2013-14	A K Gade	Biology Department, Utah State University, Logan,	International	10 Sept., 2013 to 11

			Utah		Sept., 2014
3	2012-13	M. K Rai	Department of Biological Chemistry, University of Campinas, Brazil	International	15 Jan., 2013 to 15 Jan., 2014
4	2012-13	M.K.Rai	Deapartment of Microbiology, Nicolaus Copernicus University, Torun, Poland	International	May 20, to June 20, 2012
4	2011-12	M. K. Rai	Department of Biological Chemistry, University of Campinas, Brazil	International	30 days
5	2010-11	M. K. Rai and A K Gade	Department of Biological Chemistry, University of Campinas, Brazil	International	6 <sup>th</sup> Feb., 2011 to 22 Feb., 2011

## 26. Faculty serving in

a) National committees b) International committees c) Editorial Boards d) any other

S. N.	Year	Name of the faculty	National Committees/ International Committees/ Editorial Boards/ Any Other (specify)	Organization	Acted as Member / Chairman/ Secretary/Others (specify)
1	2010	Dr.M.K.Rai	Editorial board	BLACPMA, Santiago, Chile.	member
	2010	Dr.M.K.Rai	Editorial board	<i>Current Trends in Biotechnology and Pharmacy</i> , Guntur, India.	member
	2010	Dr.M.K.Rai	Editorial board	Journal of Pharmaceutical Education & Research, India	member
	2010	Dr.M.K.Rai	Editorial board	Open Mycology Journal, Bentham Sci. Publisher, UK	Editor-in-Chief
	2013	Dr.M.K.Rai	Editorial Board	Journal of Nanomaterials	member
	2013	Dr.M.K.Rai	Editorial Board	Current NanoScience Journal	member
	2014	Dr.M.K.Rai	Editorial Board	IET nanobiotechnology	member
2	2009 to 2015	Dr. A. S. Patil	Editorial board	Journal of Plant disease and Sciences, PDKV Akola	Managing editor
	2015	Dr. A. S. Patil	Editorial board	Austin Journal of Biotechnology and Bioengineering	member

## 27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

- Mrs. V. P Wadegaonkar: Participated in 28th orientation program organized by Academic Staff College, Sant Gadge Baba Amravati University, Amravati from 01.09.2014 to 27.09.2014.

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects - 100
- percentage of students doing projects in collaboration with other universities industry / institute - Nil

29. Awards / recognitions received at the national and international level by

- Faculty -
- Doctoral / Post Doctoral Fellows –
- Students

Awards by Faculty

S. N.	Year	Name of the Faculty <sup>1</sup> /Doctoral <sup>2</sup> / post Doctoral Fellow <sup>3</sup> /Student <sup>4</sup>	Award / Recognition	Conferring Organization	Level (National/ International)
1	2014-15	Dr Wadegaonkar	Distinguish Alumnus – On the occasion of Golden Jubilee (1964-2014) of The Department of Microbiology and Biotechnology Centre,	The Maharaja Sayajirao University of Baroda	National
2		Dr A. K Gade	Post-doctoral Raman Fellowship to visit USA for a year. (2013-2014)		International
	2013-14	Prof M K Rai	Visiting scientist at UNICAMP, Brazil Jan 2013 to Jan 2014		International
3	2012-13	Prof M K Rai	Visiting scientist under Indo-Brazil program for 2012.		International
4	2012-13	Dr A. K Gade	Young Scientist Award – 2012 (In: National Conference on Mycodiversity with its Sustainable Exploration and Biotechnological	Annual Meeting of Mycological Society of India).	National

			Applications and 38th		
5	2012-13	Dr A. K Gade	Young Scientist Award – 2012 (In: International Conference on Mycology and Plant Pathology Biotechnological Approaches).		National
6	2012-13	Prof M K Rai	Visiting Professor, Nicolaus Copernicus Univ, Poland		International
7	2011-12	Prof M K Rai	Visiting scientist under Indo-Brazil program for 2011.		International
8	2010-11	Prof M K Rai	Visiting scientist under Indo-Brazil program for 2010.		International
9	2011-11	Dr M.K.Rai	Biotechnology Advances (Elsevier) – Top Cited Article 2009-2011.	Elsevier	International Award
10	2011-11	Dr A. K Gade	Biotechnology Advances (Elsevier) – Top Cited Article 2009-2011.	Elsevier	International Award

## 2. Awards by students

S. N.	Year	Name of the Faculty <sup>1</sup> /Doctoral <sup>2</sup> /post Doctoral Fellow <sup>3</sup> /Student <sup>4</sup>	Award / Recognition	Conferring Organization	Level (National/International)
1	2013-14	Geoby George	Ist Prize in Essay writing competition, NSD-2013, Post PG section	SGBAU	State
2		Kushal Hire	2 <sup>nd</sup> Prize in Essay writing competition, NSD-2013, Post PG section		State
3	2012-13	Geoby George	Ist Prize in Essay writing competition, NSD-2013, Post PG section	SGBAU	State

4		Divya Patel	2 <sup>nd</sup> Prize in Essay writing competition, NSD-2013, Post PG section		State
5	2010-11	Mr Kunal Kale	1 <sup>st</sup> prize in Avishkar 2010 held at MUHS, Nashik in post PG in Agriculture and Animal husbandary	Avishkar Hon`ble Governors event for research	State
6		Mr Ankush Bobde	1 <sup>st</sup> prize in Avishkar 2010 held at MUHS, Nashik in post PG in Agriculture and Animal husbandary	Avishkar Hon`ble Governors event for research	State

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

S. N.	Name of the Conference/Seminar/ Workshop	Status National/ International	Name of Chairman/Organizing Secretary/ Convenor	Funding Agency with Funds (if any)	Collaborators (if any)	Duration, Date and Venue
2014-15						
1.	Workshop on tools for computer-aided drug design	National	Dr. P.A. Wadegaonkar (Coordinator)	DBT under BTISNET program	-	Two days 16-17, Jan 2014
2.	Short Term Course in Nanobiotechnology	National	Dr. A.K. Gade	UGC	ASC – SGBAU	6 days 15 -20, December 2014
2013-14						
1	National Conference on Current Advances in Biotechnology	National	Dr M.K.Rai (Convenor)	UGC, DST, DBT	Society for Biotechnologist (India)	Two days 25th -26th November, 2013
2.	National Conference on Current Advances in Biotechnology	National	Dr. P.A. Wadegaonkar (Organizing Secretary)	UGC, DST, DBT	Society for Biotechnologist (India)	Two days 25th -26th November, 2013
2012-13						
1.	National seminar on Trends in Nano-biotechnology	National	Prof. M.K. Rai	UGC - SAP	-	One day 4th January, 2013
2.	Drug Discovery Tools	National	Dr. P.A. Wadegaonkar (Coordinator)	DBT under BTISNET program		Two days 19th -20th, March, 2013
2011-12						
1.	National workshop cum training program	National	Dr. P.A. Wadegaonkar	DBT under BTISNET		26-28, March, 2012

	on Computational approaches to Phylogenetic Analysis		(Coordinator)	program		
2010-11						
1.	National workshop cum hands on training program on “Phylogenetic Analysis: Techniques and Tools”	National	Dr. P.A. Wadegaonkar (Coordinator)	DBT under BTISNET program		12-18, March, 2011

31. Code of ethics for research followed by the departments
- Guidelines of ethical committees related to Biosafety and Animal ethical research are followed are per guidelines.
  - Transperencyand sincerity in research.
32. Student profile programme-wise:

Year	Admitted to First Year of the Course			Pass Percentage of Students	
	Boys	Girls	Total	Boys	Girls
2014-15	1	15	16	--	--
2013-14	4	12	16	100	91.66
2012-13	10	10	20	60	70
2011-12	3	17	20	33.33	72.22
2010-11	7	13	20	57.71	92.30

33. Diversity of students

Name of the Programme	Year	Percentage of students from the same university	Percentage of students from other universities within the State	Percentage of students from Universities outside the State	Percentage of students from other countries
M.Sc. (Biotechnology)	2014-15	87.50	12.50	00	00
	2013-14	75	25	00	00
	2012-13	80	20	00	00
	2011-12	75	25	00	00
	2010-11	90	10	00	00

34. Howmany students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

S. N.	Name of Candidate	Qualified for		
		NET	Lecture ship	SET/GATE/Any others



2010-2011				
1	Mr. Sachin Meshram	CSIR-JRF		
2	Mr. R P Bhagat	UGC-JRF		
3	Mr. Sachin Meshram	ICAR-NET		
4	Mr. R P Bhagat	ICAR-NET		
5	Mr. Pravin Pohekar	ICAR-NET		
6	Mr. Sarang Talwelkar	UGC-NET		
7	Mr. Digvijay Tonchar	UGC-NET		
8	Mr. Sachin Meshram	UGC-NET		
9	Mr. Sachin Meshram			GATE
10	Ms. Aditi Jumde			GATE
11	Mr. Ravindra Ade			GATE
2011-2012				
12	Mr. Sagar Palwe			SET
13	Mr. Vaibhav Gujar	CSIR-JRF		
14	Mr. Digvijay Tonchar	UGC-NET		
15	Ms. Varsha Pursawani			DBT-JRF
16	Ms. Richa Nebhani			ICMR-JRF
2012-2013				
17	Mr. Himanshu Jaiswal	UGC-CSIR-NET		
18	Mr. Himanshu Jaiswal			GATE
19	Ms. Rutuja Khonde	UGC-CSIR-NET		
20	Mr. Shashank Dadsena			GATE
21	Ms. Minal Jaiswal			GATE
22	Ms. Monali Raut			GATE
23	Mr. Vinod Umare			SET
2013-2014				
24	Mr. Hariprasad Paikrao	ICAR-NET		
25	Mr. Ashwin Lunge	CSIR-NET		
26	Mr. Ashwin Lunge			SET
27	Mr. Ashwin Lunge	ICAR-NET		
28	Mr. Himanshu Jaiswal	CSIR-JRF		
29	Mr. Himanshu Jaiswal			SET
30	Mr. Amol Rawankar	ICAR-NET		
31	Mr. Nitin Ingole	ICAR-NET		
32	Mr. Ankit Kale	ICAR-NET		
33	Mr. Yogesh Rajmane	ICAR-NET		
34	Ms. Ashwini Kedar	ICAR-NET		
35	Mr. Shashank Dadsena			ICMR-JRF

## 35. Student progression

Student Progression		Percentage against enrolled
UG to PG		Nil
PG to M. Phil.		Nil
PG to Ph.D.		25%
Ph.D. to Post Doctoral		5%
Employed		
▪ Campus Selection		Nil
▪ Other than campus recruitment		30% through AMBAA
Entrepreneurs		2%

## 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	42.85%
from other universities within the State	28.57%
from universities from other States from	28.57%
universities outside the country	-

## 37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

➤ 01 Dr A. K Gade

## 38. Present details of departmental infrastructural facilities with regard to :

- a) Library = 01
- b) Internet facilities for staff and students = 02 labs, Wi-Fi in Department
- c) Total number of class rooms = 02
- d) Class rooms with ICT facility = 02
- e) Students' laboratories = 02
- f) Research and Project laboratories = 12

## 39. List of doctoral, post-doctoral students and Research Associates :

- a) from the host institution/university

S. N.	Name	Doctoral/post-doctoral / Research Associate	Duration of Fellowship
1	Dr. Alka S. Karwa	D. S. Kothari Post Doctoral Fellowship, Funded by DST, New Delhi , Post Doc	2008-11
2	Mr. Ravindra B. Ade	Rajiv Gandhi National Fellowship funded by UGC New Delhi, Ph. D	2005-10
3	Mr. A. P. Ingle	UGC-Engineering and Technology, New Delhi –JRF, Ph. D	2009-12
4	Dr. A. P. Ingle	DST fast track young scientist, Post Doc	2013-16
4	Mr. V.V. Tiwari	Major Research Project: UGC, New Delhi( Dr. M K Rai)- Project Fellow, Ph. D	2008-11
5	Mr. Swapnil Gaikwad	Major Research Project: Rajiv Gandhi Science and Technology Commission, Mumbai ( Dr. M K Rai)- JRF, Ph. D	2009-13
6	Ms. Sonal Birla	Major Research Project: Rajiv Gandhi Science and Technology Commission, Mumbai ( Dr. M K Rai)- JRF, Ph. D	2009-12
7	Ms. Shital Bonde	Major Research Project: DRDO, New Delhi( Dr. M K Rai)- JRF, Ph. D	2009-12
8	Mr. Dhyaneshwar Rathod	Major Research Project: Ministry of Environment and Forest, New Delhi,	2009-12

		( Dr. M K Rai)-JRF, Ph. D	
9	Mr. M. A. Dar	Major Research Project: Ministry of Environment and Forest, New Delhi, ( Dr. M K Rai)- Project Fellow, Ph. D	2009-12; 2012-13
10	Mr. Ashish Wandhare	Rameshwardas Birla Smarkkosh, Mumbai, Ph. D	2009-12
11	Mr. Kunal Kale	Major Research Project: UGC, New Delhi, ( Dr. P. V. Thakare)- Project Fellow, Ph. D	2010-13
12	Mr. Geoby George	<i>INSPIRE</i> fellowship from DST, New Delhi ( Dr. P. V. Thakare), v	2010-15
13	Mr. Indar Kumar Gupta	<i>CSIR-NET JRF</i> fellowship from CSIR, New Delhi ( Dr. M K Rai)	2009-12
14	Mr. Rahul Bhagat	MRP: Defence Research & Development Organization, New Delhi (Dr.P.A. Wadegaonkar) – JRF, Ph. D	2007-11
15	Mr. Ashwin Lunge	Major Research Project: UGC, New Delhi, (Dr. A. S. Patil)- Project Fellow, Ph. D	2010-11
16	Ms. Manjusha Chakranarayan	Rajiv Gandhi National Fellowship funded by UGC , New Delhi, Ph. D	2008-12
17	Mr. Jai Jaiswal	Major Research Project: UGC, New Delhi, ( Dr. P. A.Wadegaonkar)- Project Fellow, Ph. D	2009-12
18	Dr. Sunita Bansod	Major Research Project, Nanomission Department of Science and Technology, New Delhi ( Dr. M K Rai)- RA	2011-14
19	Ms. Manisha Bawaskar	Major Research Project, Nanomission Department of Science and Technology, New Delhi ( Dr. M K Rai)- SRF, Ph. D	2011-14
20	Ms Gauravi Agarkar	UGC-BSR Fellowship from UGC, New Delhi ( Dr. M K Rai ), Ph. D	2013-18
21	Ms Prachi Joshi	<i>INSPIRE</i> fellowship from DST, New Delhi ( Dr. P. A Wadegaonkar), Ph. D	2012-17
24	Ms Harshada Pilley	<i>INSPIRE</i> fellowship from DST, New Delhi ( Dr. P. A Wadegaonkar), Ph. D	2012-17
25	Mr Ankit Kale	Major Research Project, UGC, New Delhi ( Dr. A S Patil)- JRF, Ph. D	2014-16
28	Mr Sudhir Shende	UGC-SAP DRS I Project Fellow UGC, New Delhi ( Dr. M K Rai ), Ph. D	2012-17

## b) from other institutions/universities

S. N.	Name	Doctoral/post-doctoral / Research Associate	Duration of Fellowship
1	Ms Dipali Nagaonkar	<i>INSPIRE</i> fellowship from DST, New Delhi ( Dr. M K Rai)	2013-18
2	Mr Bipin Lade	UGC-BSR Fellowship from UGC, New Delhi ( Dr. A S Patil )	2013-18
3	Ms Swati Hade	UGC-BSR Fellowship from UGC, New Delhi ( Dr. P.A. Wadegaonkar )	2013-18
4	Ms Vaishnavi Raut	UGC-BSR Fellowship from UGC, New Delhi ( Dr. P V Thakare )	2013-18
5	Bipinchandra Kalbande	Doctoral	-
6	Mr Hariprasad Paikrao	Major Research Project, Rajiv Gandhi Science and Technology Commission, Mumbai ( Dr. A S Patil)- SRF	2010-12; 2013-16
7	Mr Sachin Harle	<i>CSIR-NET JRF</i> fellowship from CSIR, New Delhi ( Dr. P A Wadegaonkar)	2012-17
8	Sheetal Sharma	Doctoral	-
9	Divya Patel	Doctoral	-

40. Number of post graduate students getting financial assistance from the university.  
Nil
41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.  
NA
42. Does the department obtain feedback from
- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
  - Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
  - Alumni and employers on the programmes offered and how does the department utilize the feedback?
43. List the distinguished alumni of the department with their designation and address (maximum 10)

**Industry**

1. Dr. Jagdish Zade  
Senior Manager, (Rota Vaccine)  
Serum Institute of India LTD

212/2, Hadapsar,  
Off Soli Poonawalla Road,  
Pune-411028. India

2. Mr. Tushar Joglekar  
Assistant General Manager,  
Biological E. Limited  
Road no-35, Jubilee Hills  
Hyderabad, AP -500033
3. Mr. Ritesh Dundhi  
Associate Director  
Dr. Reddy's Laboratories Ltd.  
8-2-337, Road No. 3,  
Banjara Hills, Hyderabad  
Telangana, INDIA -500 034
4. Ms. Perna Chavan  
Senior Manager  
Yash Raj Biotechnology Ltd.  
Plot No. C-232, TTC Industrial Area,  
MIDC, Navi Mumbai 400705, India.
5. Mr. Amol Dindorkar  
Manager  
Serum Institute of India LTD  
212/2, Hadapsar,  
Off Soli Poonawalla Road,  
Pune-411028. India
6. Dr. Aditi Bhagwat (Joglekar)  
Research Investigator  
Syngene International Limited  
Biocon Park , Plot 2&3,  
Bommasandra Industrial Estate - Phase-IV  
Bommasandra-Jigani Link Road,  
Bangalore 560 099  
India
7. Ravi Kshirsagar  
Founder and Principal  
Consultant at Inbiosys Consulting  
1472, HSR Layout II Sector,  
Bangalore 560102
8. Amol Kesharwani  
Dy. Manager- Biotech  
Cadila Pharmaceuticals Ltd.  
Sarkhej-Dholka Road, Bhat,  
Ahmedabad-382 210, INDIA.

9. Dr. Kafil Ahmed  
Senior Research Executive  
Glenmark Pharmaceuticals Ltd.  
Navi Mumbai.

### Teaching

10. Dr. Anita Patil  
Professor,  
Department of Biotechnology  
Sant Gadge Baba Amravati University, Amravati
  11. Dr. Arun Ingale  
Professor,  
Department of Biotechnology, School of life Sciences,  
North Maharashtra University, Jalgaon
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.
- 2010-2011**
1. One day online lecture series for P.G. and Research student of Life Sciences jointly organized by Bioinformatics Infrastructure facility (BIF), under BTISnet,(sponsored by DBT, New Delhi),Dept. of Biotechnology , Sant Gadge Baba Amravati University, Amravati and IISER, Pune (M.S.) , 27th March., 2010.
  2. Guest lecture organized on topic: “ Stem cells and their potential clinical application : A subject of much Research Avenues” by Dr. K.R.S. Sambasiva Rao, Centre of Biotechnology, Acharya Nagarjuna University, Guntur, A.P. on Date 23<sup>rd</sup> Feb., 2010
  3. Guest lecture series organized on Plant Biotechnology by Prof. D. K. Das, Visiting Professor, TM Bhagalpur University, Bhagalpur, Bihar (02/03/2010 to 08/03/2010)
  4. World Environment Day celebration on date 5<sup>th</sup> June, 2010.
  5. Special Guest lecture organized on topic: “ Nanopartical and Biomedical Targets: Neurodegeneration and Malaria: by Prof, Chris Whiteley, Director, Dept. of Biochemistry and Microbiology, Rhodes University, Grahamstown, South Africa on date 31<sup>st</sup> August ., 2010.
  6. Teachers Day celebration on date 5<sup>th</sup> Sept., 2010.
  7. Guest lecture cum interaction organized on topic: “Biotechnology: Scope and Challenges” by Ms. Aditi Borkar, R. Scholar, Cambridge University, UK on date 21<sup>st</sup> Sept., 2010.
  8. Amravati University Biotechnology Alumni Association (AMBAA) Meet: Opportunities in Biotechnology, 25th Sept. 2010.
  9. One Day online Webinar lecture series jointly organized by (AMBAA) Amravati University Biotechnology Alumni Association, Dept. of Biotechnology, Sant Gadge Baba Amravati University and Indian Research Scholars' Association for Promoting Science (IRSAPS) on current trends in Biotechnology, 30th Oct. 2010.
  10. BCC: Street Play on the eve of Republic day 25<sup>th</sup> Jan., 2011. On topic Water Conservation.
  11. One Day study tour organized for SEM IV M.Sc. Biotechnology student as part of Curriculum at Jivan –Pradhikaran: Water Purification Unit, Amravati (29<sup>th</sup> March., 2011)

12. National workshop cum hands on training program on “Phylogenetic Analysis: Techniques and Tools” at Bioinformatics Infrastructure Facility (DBT-Govt. of India Supported Facility), Department of Biotechnology, Sant Gadge Baba Amravati University, Amravati 444-602, M.S. Under BTISnet-Training/Workshop Program. (12-18, March, 2011).

Name of Resource Person	Designation with Address	Invited talks/Lecture on topic
Mr. Kishor K. Shende	Information officer, Bioinformatics Centre, Department of Biotechnology, Barkatullah University, Bhopal	Phylogenetic Analysis: Protocol and Interpretation of Results
Dr. Sanjeev Kumar Singh	Associate Professor , Department of Bioinformatics, Alagappa University, Karaikudi-630 003, Tamil Nadu	Computational Biology: Tools and Techniques.

#### 2011-2012

1. World Earth Day Day celebration on date 22<sup>nd</sup> April. 2011.
2. World Environment Day celebration on date 5<sup>th</sup> June, 2011.
3. BCC: Street Play on the eve of Independence Day 15<sup>th</sup> August. 2011. on topic Environmental Pollution.
4. Guest lecture organized on topic: “PGPR for Plant health and productivity” by Prof. D. M. Maheshwari, Dept. of Botany and Microbiology, Gurukul Kangri University, Haridwar (Uttarakhand) on Date 26<sup>th</sup> August., 2011 under Biotechnology Association Program.
5. Teachers Day celebration on date 5<sup>th</sup> Sept., 2011.
6. Amravati University Biotechnology Alumni Association (AMBAA) Meet: Opportunities in Biotechnology, 17-18 Sept. 2011.
7. Special Guest lecture organized on topic: “Epigenetics by Dr. Deepti D. Deobagkar, Dept. of Zoology, Pune University, Pune, Maharashtra, India on date 12<sup>th</sup> Oct., 2011.
8. One Day online Webinar lectures on the eve of Biotechnology Day celebration jointly organized by (AMBAA) Amravati University Biotechnology Alumni Association, Dept. of Biotechnology, Sant Gadge Baba Amravati University and Indian Research Scholars' Association for Promoting Science (IRSAPS) on ecofriendly Biotechnology, 14th Nov. 2011.
9. National Education Day of India Celebration on 11 November, 2011.
10. Special Guest lecture organized on topic: “Spectroscopy and other analytical technique, Dept. of Chemistry, Ex. Vice –chancellor/Professor-Chemistry, SGBAU, Amravati Maharashtra, India on date 21<sup>st</sup> Jan., 2012.
11. BCC: Street Play on the eve of Republic day 25<sup>th</sup> Jan., 2012. On topic Environment Conservation.
12. Special Guest lecture organized on topic: “Nanotechnology: Advances and challenges in the biological chemistry laboratory at UNICAMP, by Prof. Nelson Duran, Department of Chemistry, University of Campinas,. Campinas, Brazil. on date 1<sup>st</sup> March., 2012

13. Guest Lecture by Prof. Gabour Tarcali, University of Debrecen, Institute of plant protection, Hungary on topic: “Mycoviruses Examination of *Cryphonectria parasitica* in the Carpathion Basin in Europe” on date 2<sup>nd</sup> March., 2012.
14. Biotech Village program: From lab to field on “Biotechnology technology for Sustainable development “at Wadgaon (Mahure) Dist. Amravati, Maharashtra, March 18, 2012
15. National workshop cum training program on “Computational approaches to Phylogenetic Analysis” at Bioinformatics Infrastructure Facility (DBT-Govt. of India Supported Facility), Department of Biotechnology, Sant Gadge Baba Amravati University, Amravati 444-602, M.S.Under BTISnet-Training/Workshop Program.(26-28, March, 2012).

Name of Resource Person	Designation with Address	Invited talks/Lecture on topic
Dr. Ashok Sharma	Chief Scientist and Head, Biotechnology Division, CSIR - CIMAP Lucknow	Computational approaches to Phylogenetic analysis – Looking back and Looking forward
Dr. K. R. Pardasasni	Department of Mathematics, Bioinformatics an \computer Applications, Maulana Azad, National Institute of Technology, Bhopal - 462051	Modelling Reticulate Evolution
Mr. Kishor K. Shende	Information officer, Bioinformatics Centre, Department of Biotechnology, Barkatullah University, Bhopal	Phylogenetic Analysis: Protocol and Interpretation of Results

#### 2012-2013

1. Special Guest lecture organized on topic: “Nanobiotechnology: The use of nanoscale Iron particles (NSIP) for groundwater remediation. by Prof. Heike Bradl, University of Applied sciences and Director of Institute for Microprocess engineering and Particle technology (IMIP) of. on date 3<sup>rd</sup> April., 2012
2. World Earth Day Day celebration on date 22<sup>nd</sup> April. 2012
3. One Day study tour organized for SEM IV M.Sc. Biotechnology student as part of Curriculum at Jivan –Pradhikaran: Water Purification Unit, Amravati (11<sup>th</sup> April., 2012)
4. World Environment Day celebration on date 5<sup>th</sup> June, 2012.
5. BCC: Street Play on the eve of Independence Day 15<sup>th</sup> August. 2012. on topic Environmental Current issue.
6. Teacher-Parent Meet-2012 on date 28<sup>th</sup> July., 2012
7. Teachers Day celebration on date 5<sup>th</sup> Sept., 2012.
8. Special Guest lecture organized on topic: “Higher education in India: Challenges ahead” under popular talk (TRDEA) by Prof. W. N. Gade, Vice-chancellor Pune University, Pune , on date 19<sup>th</sup> November., 2012



9. Biotechnology Open Day celebration on date 12<sup>th</sup> Feb., 2013.
10. Special Webinar (Live) organized on topic: "Control of host gene expression by viral histone H4 and translational inhibitory factors of *Cotesia plutellae* bracovirus" by Dr. Rahul Hepat, Post Doctor Fellow, Lab of Insect Molec Physio Rm. 512 Dept. of Bioresources Sciences, College of Natural Sciences, Andong National Univ 760-749, Andong, South Korea on date 11<sup>th</sup> March., 2013.
11. MBAA meet-2013 at Department of Biotechnology, Sant Gadge Baba Amravati University, Amravati, Maharashtra- 444 602, India on date 5<sup>th</sup> January, 2013.
12. DBT sponsored **“WORKSHOP ON DRUG DISCOVERY TOOLS”** (Under BTISNET Program), organized by Bioinformatics Infrastructure Facility (BIF), Department of Biotechnology, Sant Gadge Baba Amravati University, Amravati, Maharashtra, India 444602 (19-20, March 2013) Twenty participants, thirty participants of refresher course (Life Sciences) and forty students were benefited by training course.
13. Webinar (Live) on Microscopy in focus on 7<sup>th</sup> March., 2013
14. National seminar on Trends in Nano-biotechnology under UGC-SAP-DRS-I Level at Department of Biotechnology, Sant Gadge Baba Amravati University, Amravati, Maharashtra- 444 602, India on date 4th January, 2013

Name of Resource Person	Designation with Address	Invited talks/lecture on topic
Dr. Bansi D. Malhotra	Department of Biotechnology, Technological University, Shahbad Daulatpur, Main Bawana Road, Delhi - 42	Nanomaterial Based Biosensors for cancer detection
Dr. Tulsidas G. Shrivastava	Department of Reproductive Medicine, National Institute of Health and Family Welfare, Munirka, New Delhi - 110067	Colloidal Gold Probe based Rapid Immunochromatographic Strip Assay for 17-a-hydroxy Progesterone and Cortisol

15. DBT sponsored Workshop on “Drug Discovery Tools” at BTISnet-BIF centre, Department of Biotechnology, Sant Gadge Baba Amravati University, Amravati, Maharashtra- 444 602, India on date 19th -20th, March, 2013

Name of Resource Person	Designation with Address	Invited talks/lecture on topic
Dr. V. K. Mourya	Principal, Government College of Pharmacy, Amravati (MS)	computer-aided drug designing (CADD)

### 2013-2014

1. World Earth Day celebration on date 22<sup>nd</sup> April. 2013
2. World Environment Day celebration on date 5<sup>th</sup> June, 2013.
3. BCC: Street Play on the eve of Independence Day 15<sup>th</sup> August. 2013. on topic Environmental Current issue.

4. Teachers Day celebration on date 5<sup>th</sup> Sept., 2013.
5. Educational/Industrial Tour at CSIR-NEERI, Nagpur on date 26<sup>th</sup> Sept., 2013
6. Maharashtra Biotechnology Day celebration on date 14<sup>th</sup> Nov., 2013.
7. On Demand webinar on topic: “4D Microscopy in Biology” on date 9<sup>th</sup> Dec., 2013
8. On Demand webinar on topic: “Harnessing the power of the microbiome” on date 10<sup>th</sup> Dec., 2013.
9. National Conference on Current Advances in Biotechnology & Annual Meeting of Society for Biotechnologist (India) on date 25<sup>th</sup> -26<sup>th</sup> November, 2013 at Department of Biotechnology, Sant Gadge Baba Amravati University, Amravati, Maharashtra- 444 602, INDIA.

Name of Resource Person	Designation with Address	Invited talks/Lecture on topic
Dr. B. B. Chattoo	Former Vice Chancellor, Shri Mata Vaishnao Devi University, Katra, Jammu and Kashmir.	Biological research in the “OMICS” era
Dr. D. N. Deobagkar	Former Vice Chancellor, Goa University, Goa.	Vector competence in the mosquitoes: Interaction between Intrinsic & Extrinsic factors
Dr. Absar Ahmad	Senior Scientist Biochemical Sciences Division National Chemical Laboratory, Pune	BIOTECHNOLOGY OF ENDOPHYTIC FUNGI: INORGANIC NANOMATERIALS & DRUGS
Dr. Satish Kumar	Biochemistry & Bioinformatics Centre, Mahatma Gandhi Institute of Medical Sciences, Sevagram	VIRTUAL SCREENING FOR POTENTIAL INHIBITORS OF HIGH-RISK HUMAN PAPILLOMAVIRUS 16 E6 PROTEIN
Dr. V. L. Maheshwari	Director, School of Life Sciences, North Maharashtra University, PoB 80, Jalgaon.	MULTIPLE ACTIVITIES OF PLANT SECONDARY METABOLITES : STUDIES ON THEIR APPLICATIONS IN MANAGEMENT OF TWO ECONOMICALLY IMPORTANT PESTS
Dr. Sanjeev Kumar Singh	Associate Professor, Computer Aided Drug Design and Molecular Modeling Lab, Department of	MOLECULAR MODELING AND COMPUTER AIDED DRUG DESIGN

	Bioinformatics, Alagappa University, Karaikudi-630 003, Tamil Nadu	
Dr. Anupam Basu	Molecular Biology and Human Genetics Laboratory, Department of Zoology, The University of Burdwan, Golapbag-713104, West Bengal.	DETERMINATION OF APPROPRIATE REFERENCE GENE IN REAL TIME PCR FOR EVALUATING MOLECULAR MARKERS IN DIFFERENT GRADES OF CERVICAL CANCER
Dr. E. Vijayan	Emeritus Professor, Department of Biotechnology, Cochin Univ of Science & Technology, Kerala.	PAST, PRESENT AND FUTURE OF BRAIN PEPTIDES
Dr. Ashok Kulkarni	Dept. Of Physiology, MediCiti Institute of Medical Sciences, Ghanpur, Mandal, Dist. Hyderabad, A. P.	Reduced permeability of fenestrated endothelium in joints: Nuclear magnetic resonance spectroscopy and molecular dynamics studies of a competitive blocker
Dr. D, K. Das	Post Graduate Department of Biotechnology, T.M.Bhagalpur University, Bhagalpur-812007	EXPRESSION OF A BACTERIAL CHITINASE ( <i>CHIB</i> ) GENE ENHANCES ANTIFUNGAL POTENTIAL IN TRANSGENIC BLACK GRAM ( <i>VIGNA MUNGO L.</i> ) (CV. T9) THROUGH BIOLISTICS
Dr. K. R. S. Sambasiva Rao	Department of Biotechnology, Acharya Nagarjuna University, Nagarjunanagar-522110, Guntur, A.P.	COLD ADAPTIVE ENZYMES FROM MARINE PSYCHROPHILES: A NOVEL BIOTECHNOLOGICAL APPROACH
Dr. Shailesh Dave	Department of Microbiology and Biotechnology, School of Sciences, Gujarat University, Ahmedabad 380009	MICROBIAL TECHNOLOGY OF METAL PRODUCTION AND REMEDIATION FROM MINERALS AND WASTES

**2014-2015**

1. World Earth Day Day celebration on date 22<sup>nd</sup> April, 2014
2. World Environment Day celebration on date 5<sup>th</sup> June, 2014.
3. BCC: Street Play on the eve of Independence Day 15<sup>th</sup> August, 2014. on topic Environmental Current issue.
4. Teachers Day celebration on date 5<sup>th</sup> Sept., 2014.
5. Guest lecture organized on topic: Holistic approach to life by Mr. Mohan Chute on Date 9<sup>th</sup> August., 2014
6. Special Guest lecture organized under Biotech Lecture series 2014-15 on topic: 1. Transgenic Plants: Monsters or saviours 2. Current scenario of Plant Biotech research by Dr. V. A. Bapat, FNA, FNASC, INSA, Senior Scientist, DBT, Shivaji University, Kolhapur on date 25<sup>th</sup> August., 2014.
7. Us-Visa Embassy Interaction Program organized on Date 26<sup>th</sup> Sept., 2014.
8. Bharat Swachta Abhiyan organized on 2<sup>nd</sup> Oct., 2014
9. Maharashtra Biotechnology Day celebration on date 14<sup>th</sup> Nov., 2014.
10. BCC: Street Play on the eve of Republic Day 26<sup>th</sup> Jan., 2015. on topic Bharat Swachata Abhiyan.
11. Teacher-Parent meet-2015 organized on date 14<sup>th</sup> Jan., 2015.
12. MBAA meet-2015 at Department of Biotechnology, Sant Gadge Baba Amravati University, Amravati, Maharashtra- 444 602, India on date 22<sup>nd</sup> January, 2015.
13. DBT sponsored Workshop on “Tools for Computer-aided Drug Design(CADD)” at BTISnet-BIF centre, Department of Biotechnology, Sant Gadge Baba Amravati University, Amravati, Maharashtra- 444 602, India on date 16th -17th, January, 2015.

Name of Resource Person	Designation with Address	Invited talks/Lecture on topic
Mr. Surojit Sadhu	Application Scientist, Vans Scientific Information (P) Limited.301, Mahalakshmi Chambers, 22, Bhulabhai Desai Road, Mumbai--26	ChemAxon : Tools for Computer-aided Drug Design(CADD)

45. List the teaching methods adopted by the faculty for different programmes.
  - Lecture, Demonstration, Audio-visuals (power-points, videos), Discussion, Webinars, Interactive elective papers, group discussions, etc
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
  - Class test, assignment, mid-term evaluation, time to time monitoring of teaching,
47. Highlight the participation of students and faculty in extension activities.
  - Bioresource Conservation Club: For generating awareness to conserve biodiversity and eco-friendly methods
  - Biotech Village Programme: from lab to field- under this programme students organize various activities related to bio-based, eco-friendly technologies in village.
  - Swacchta Abhiyan: Every Saturday this programme is organized. The students, researchers, teaching and non-teaching members are actively involved in cleaning programmes.

48. Give details of “beyond syllabus scholarly activities” of the department.
  - Excursions are organized for the students to show them diversity of plants, biotech-based industries. The students participate in “Aviskar” and “Anveshan” NSD to participate in scientific activities. The breaking research news are displayed on boards. Moreover, the students invite college students to demonstrate the biotech laboratories in order to generate awareness.
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.
  - Nil.
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
  - Bioinformatic Facility (DBT) funded has generated awareness and skills in data storage, analysis and interpretation. For the last one decade many students have been trained
  - Developed the database of medicinal plants of Melghat region
  - Developed barcodes for medicinal plants of genus chlorophytum, and Cleoptra.
  - Providing expertise to State forensic science laboratory for analysis of samples based on DNA barcoding.
  - Developed Nanoantimicrobials for the cure of microbial pathogens
  - developed nanoparticles-based gene transfer method
  - Nano-based new method of protoplast isolation
  - Method to detect the kidney-stone degrading metabolites
  - Biogenic synthesis of metal nanoparticles
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

**Major strengths:**

- Full-fledge faculty (from different disciplines)
- Recognised, facilitated and supported by:
  - DBT-BIF, DST-FIST, UGC-SAP; Projects and Fellowships-UGC, DST, DRDO,
  - MOEn, RGSTC, CSIR, ICMR, Lady Tata memorial fellowship, Most researcher
  - scholars are getting fellowship (No. 25)
- Well-equipped sophisticated labs., Impacted publications, patents (filed)
- Strong alumni
- Foreign academic collaboration (Brazil, Poland, Italy, Switzerland, Germany, USA)

**Weaknesses:**

- Consultancy
- No biotech industries in the area
- Incubation center
- Germplasm collection centre
- Adjunct professor/ chairs

**Opportunities:**

- Enormous opportunities exist in industries (agro-, pharma industries) academia, R & D
- Exploitation of plant and microbial diversity for drug development

**Challenges:**

- Weak entrepreneurial attitude
- Lack of public-private partnership

52. Future plans of the department :

Considering the expertise available in the department and as per our local and national needs, at present department is concentrating on the regular teaching and research to develop following frontier areas in Biotechnology in the coming five years:

- Micropropagation of rare and endangered medicinal Plants.
- Bioactivity of medicinal plants of Melghat forest.
- Search for new microbial endophytes for growth promotion.
- Molecular Taxonomy of plants and microbes.
- Nanobiotechnology and Environmental Biology.
- Barcoding & identification species using molecular tools.

## Evaluative Report of the Department

1. Name of the Department : **Chemical Technology**

2. Year of establishment : 1994

3. Is the Department part of a School/Faculty of the university?  
NA

4. Names of programmes offered :

Level of the Programme	Name of the Programme	Duration	Intake capacity	Faculty
UG	B.Tech.(Chemical Technology in Food Technology , Pulp & Paper Technology, Oil & Paint Technology, Petrochemical Technology)	4 years	60	Engineering & Technology
PG	M.Tech ( Chemical Technology in Membrane and Separation Technology)	2 Years	10	Engineering & Technology
Ph.D	Chemical Technology		24	Engineering & Technology

5. Interdisciplinary programmes and departments involved  
Nil

6. Courses in collaboration with other universities, industries, foreign institutions, etc.  
Nil

7. Details of programmes discontinued, if any, with reasons  
Nil

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System  
Semester - Choice Based Credit System

9. Participation of the department in the courses offered by other departments  
Yes- As per the CBCS

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	1
Associate Professor	2	2	2
Assistant Professor	8	8	8
Other (Specify)	-	-	-

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

S. N.	Name	Qualification	Designation	Gender (M/F)	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 years
1	Dr.V.S.Sapkal	M.Tech. Ph.D.	Professor & Head of Department	M	Chemical Engineering	27	Ph.D- 12 M.Tech – 27
2	Dr.R.S.Sapkal	B.Sc (Tech), ME , Ph.D, DBM	Associate Professor	M	Pulp & Paper Technology	32	Ph.D- 06 M.Tech – 15
3	Dr.P.A.Pawar	M.Tech. Ph.D.	Associate Professor	M	Food Technology	23	-
4	Dr.G.M.Hend	M.Tech, Ph.D.	Assistant Professor	M	Food Technology	20	-
5	Dr.N.B.Selukar	M.Tech, Ph.D.	Assistant Professor	M	Petrochemical Technology	18	-
6	Mr.P.K.Wankhade	M.E.	Assistant Professor	M	Mechanical Engineering	17	-
7	Dr.A.B.Naik	M.Sc. Ph.D	Assistant Professor	M	Chemistry	15	Ph.D - 03
8	Mr.S.S.Sen	B.Sc.(Tech) , ME	Assistant Professor	M	Pulp & Paper Technology	14	-
9	Dr.P.B.Shingwkar	B.Sc.(Tech) M.Tech, Ph.D.	Assistant Professor	M	Oil & Paint Technology	15	-
10	Mr.A.L.Rathod	B.Sc.(Tech)	Assistant Professor	M	Petrochemical Technology	13	
11	Mr.M.B.Kumbhare	M.Tech	Assistant Professor	M	Chemical Engineering	03	



## 12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Year	Name of senior Visiting Fellows	Name of adjunct faculty	Name of emeritus professors
2014-15	Dr.S.D.Dawande, LIT Nagpur, Dr.G.S.Natrajan, , LIT Nagpur, Dr.A.B.Marathe, Principal , HVPM, Amravati	-	-
2013-14	Dr.S.D.Dawande, LIT Nagpur, Dr.G.S.Natrajan, LIT Nagpur, Dr.A.B.Marathe, Principal , HVPM, Amravati	-	-
2012-13	Dr.S.D.Dawande, LIT Nagpur, Dr.G.S.Natrajan, LIT Nagpur, Dr.A.B.Marathe, Principal , HVPM, Amravati	-	-
2011-12	Dr.S.D.Dawande, LIT Nagpur, Dr.G.S.Natrajan ,LIT Nagpur,	-	-
2010-11	Dr.S.D.Dawande, LIT Nagpur, Dr.G.S.Natrajan, LIT, Nagpur	-	-

## 13. Percentage of classes taken by temporary faculty – programme-wise information

S. N.	Year	No. of CHB	Percentage of classes taken by temporary faculty
1	2014-15	14	41
2	2013-14	13	41
3	2012-13	13	41
4	2011-12	15	41
5	2010-11	13	41

14. Programme-wise Student Teacher Ratio (*include only permanent staff*) :

S. N.	Year	Student Teacher Ratio
1	2014-15	18:1
2	2013-14	20:1
3	2012-13	20:1
4	2011-12	20:1
5	2010-11	20:1

## 15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Sr. No.	Name of the Post	No. of Sanctioned Posts	No. of Filled Posts	No. of Vacant Posts
1.	Technical Assistant	02	02	Nil
2.	Laboratory Technician	03	03	Nil
3.	Laboratory Attendant	08	08	Nil
4.	Storekeeper	01	01	Nil
5.	Peon	01	01	Nil

16. Research thrust areas as recognized by major funding agencies:  
➤ Novel separation process, membrane technology, adsorption process, waste oil utilization, food product development, renewable energy, waste management, environmental protection.
17. Details of ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

S. N.	Name of Faculty (PI/Co-PI)	Title of Project	Funding Agency	Total Grants Sanctioned	Status National/ International	Duration	Ongoing/C completed
1	Dr. A. B. NAIK	Studies of plant growth regulators and some physio chemical investigations of substitute thiazoles and their complexes.	DST	1200000	National	October 29, 2013 to October 28, 2015 (2013-14)	Ongoing

18. Inter-institutional collaborative projects and associated grants sanctioned :  
Nil
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

**2014-2015:**

S. N.	Title of Project	Funding Agency	Total Grants Sanctioned	Duration	Status (Complete / Ongoing)
1	Special Assistance Programme (SAP)	UGC	55.75 Lakh	5 years (2011-12)	Ongoing
1	FIST	DST	44.80 Lakh	5 years (2008-09)	Completed
	DRS	UGC	20.00 Lakh	2 years (2011-12)	Completed

20. Research facility / centre with
- Digital Bomb Calorimeter, UV-Vis Spectrophotometer, Digital, Direct Reading Rotational Viscometer, Viscometer Viscotek Adv Funct Lab, Vapour Liquid Equilibrium Setup, Insta lab 700-NIR Analyzer, Atago Digital Abbe Refractometer, Moisture Analyzer mac, Refractometer DR
  - Digital Refractometer, Digital Refractometer Atago Make, Multi Frequency Ultrasonic Interferometer
  - CH 201 Microscope, Lovibond Tintometer, Lab Beter, Brooke Field Viscometer, Brook field Digital Viscometer, Digital Automatic Titration, Portable Density meter,

Micro ultra Filtration system

- Bursting Strength Tester, Tensile Strength Tester, ISO Brightness tester, Sartflow Slice Crosflow System
- Biostat B Plus Mo Enrichment, Folding Endurance Tester, Film Applicator, Ultrasonic Interferometer
- Cascade CSTR, Single Effect Evaporator, Solid Liquid Extraction, Stiffness Tester taber Type, Soxhlet Four Place Automatic Solvent Extraction system, Smoothness & Porosity Tester, Semi Automatic Sheet Former, Membrane Reactor, Membrane Casting System, Membrane Reactor lab Scale membrane bioreactor, Calendaring Machine, Integrated Lab Scale Pilot System, Petrol Engine Test Rig
- Fibro plus automatic fiber extraction system, Fraction Distillation Assembly sieve plate sieve plate

21. Special research laboratories sponsored by / created by industry or corporate bodies  
Nil

22. Publications:

### 22.1 Research Articles/Publication:

S. N.	Name of Authors	Title of Paper	Name of the Journal and Vol. No., Year, Page No.	Status National / International	ISSN/ SBN No of Journal	Impact Factor	h-Index	Citation Index	Listed in International Database (if any)
2014- 2015									
1	Dr.V.S.Sapkal Dr.R.S.Sapkal Mr.P.V.Sapkal Mr.J.B.Bornare Mr.V.K.Raman Mrs. Gauri Minde	An overview of Membrane Bioreactors for Anaerobic Treatment of Wastewaters	International Journal of Innovative Research in Advanced Engineering (IJIRAE) Volume 1 ISSUE 7 ( August 2014) Pg. 91 to 97	International	ISSN-2349-2163				
2	Dr.V.S.Sapkal Dr.R.S.Sapkal Mr.P.V.Sapkal Mr.Shyam Kodape	Performance Enhancement of Recirculated Membrane Bioreactor ( RMBR) with Dual Effect of Cross Flow Velocity and Operating Temperature for Wastewater Treatment	International Journal of Emerging Technology and Advanced Engineering Volume 4, Issue 8 , August 2014 Pg. 20 to 27	International	ISSN-2250-2459				
3	Dr.V.S.Sapkal Dr.R.S.Sapkal Mr.P.V.Sapkal Mr.P.R.Tayade	Experimental Study of Product Distribution : Reforming of	International Journal of Advance Technology in Engineering and	International	ISSN-2348-7550				

		Bioethanol In Fixed Bed Catalytic Reactor for H <sub>2</sub> Production	Science Volume No. 2, Issue No.8, August 2014 Pg. 74 to 181						
4	Dr.V.S.Sapkal Dr.R.S.Sapkal S.K.Deshmukh B.L.Pangarkar	Review of membrane distillation process for water purification	Desalination and Water Treatment, Taylor & Francis November 2014 Pg. 1 to 8	International	ISSN 1648-7788				
5	Dr.V.S.Sapkal Dr.R.S.Sapkal Mr.P.V.Sapkal Mr.J.B.Bornare Mr.V.K.Raman Mrs. Gauri Minde	An overview of Membrane Bioreactors for Anaerobic Treatment of Wastewaters	International Journal of Innovative Research in Advanced Engineering (IJIRAE) Volume 1 ISSUE 7 ( August 2014) Page no. 91 TO 97		ISSN-2349-2163				
6	Dr.V.S.Sapkal Dr.R.S.Sapkal Mr.P.V.Sapkal Mr.Shyam Kodape	Performance Enhancement of Recirculated Membrane Bioreactor ( RMBR) with Dual Effect of Cross Flow Velocity and Operating Temperature for Wastewater Treatment	International Journal of Emerging Technology and Advanced Engineering Volume 4, Issue 8 , August 2014 Page no. 20 TO 27		ISSN-2250-2459				
7	Dr.V.S.Sapkal Dr.R.S.Sapkal Mr.P.V.Sapkal Mr.P.R.Tayade	Experimental Study of Product Distribution : Reforming of Bioethanol In Fixed Bed Catalytic Reactor for H <sub>2</sub> Production	International Journal of Advance Technology in Engineering and Science Volume No. 2, Issue No.8, August 2014 Page no. 74 TO 181		ISSN-2348-7550				
8	Dr. Pawar P. A & Tambakhe M. K.	Supplementation of Infant formula with probiotics, prebiotics, DHA & ARA: A systematic review	Journal of Food and Nutrition Sciences, July-August 2014; 2(4): 185-194	International					
9	Dr. P. A. Pawar, Sunil Kumar & Aachal Purwar	Nanotechnology: A Revolution in Food Sector	Beverage& Food World, Vol. 42, No.1 January 2015, PP 21-27.	International					

10	Dr. P. A. Pawar & Aachal Purwar &	Optimization of Hydrocolloids Concentration on Fat Reduction in French Fries	American Journal of Engineering Research (AJER), February 2015, Volume-04, Issue-02, pp-27-32						
11	Dr. P. A. Pawar & Sneha Meghawati	Indian food Security; Challenges & Remedies	International Journal for Research & Development, Vol. 2, Number 5, January–February 2015, pp. 41-44.						
12	Dr. A. B. Naik	Densities, viscosities, speed of sound and some acoustical parameter studies of substituted pyrazoline compounds at different temperatures	Indian. J. Pure Appl. Phys. 53(1), 2015 27-34	National	ISSN: 0975-1041 (Online); 0019-5596 (Print)	0.854			
13	Dr. A. B. Naik A. U. Mandakmare, M. L. Narwade, D. T. Tayade,	Intermolecular interactions in dioxane-water solutions of substituted coumarins according to ultrasonic data	Physical Chemistry of Solution 88(13), 2014 2234-2338	International	ISSN: 0036-0244 (print version) ISSN: 1531-863X (electronic version)	0.480			Science Citation Index, Science Citation Index Expanded (SciSearch), Journal Citation Reports/ Science Edition, SCOPUS, INSPEC, (ADS), (CAS), CSA, ASFA, (IBR), (IBZ), OCLC, ProQuest
14	Dr. A. B. Naik G. G. Muley, P. Labde, A. Gambire,	Novel study on determination of crystal growth conditions for L-arginine phosphate mono hydrate crystal by ultrasonic velocity	Anal. Chem. Lett. 4(2), 2014 86-92,	International	ISSN 2229-7928 (Print), 2230-7532 (Online)				

		measurement in aqueous solution of L-arginine and phosphoric acid”							
15	Dr. Prashant B. Shingwekar & Dr. R.S.Sapkal	Eco friendly Cosmetics – An Analytical Approach	International Journal Of Technology, Science And Humanity Volume 1 - July 2014	International	ISSN : 2362-1508				
16	Dr. N. B. Selukar	Waste Thermocol to Adhesive for Better Environment	International Journal of Innovative Research in Advanced Engg., Vol. 1(6), July 2014, 98-101	International	2344-2163	1.2	---	---	---
2013-14									
1	Dr. P. A. Pawar & Aachal Purwar	Biodegradable Polymers in Food Packaging	6 American Journal of Engineering Research, Vol. 2, issue 5, pp 151-164.						
2	Dr. P. A. Pawar & Aachal Purwar	HACCP In Retail & Food Service Operations	International Journal of Engineering Science Invention, Vol. 2, Issue 10, October 2013, pp 50-66	International	-	-	-	-	-
3	Dr. P. A. Pawar, Rashmeetsing Monga & Aachal Purwar	Effect of hydrocolloids on the oil uptake of kachori	International Journal of Scientific Engineering and Technology, Vol. 3, Issue 5, May 2014, pp. 686-688.						
4	Dr. P. A. Pawar & Aachal Purwar	Fat replacer –A Review	Indian Journal of Scholarly Research, Vol. 3, Issue 5, May 2014, pp. 29-33.						
5	Dr. A. B. Naik, M. L. Narwade, P. S. Bodakhe and G. G. Muley	Molecular Interaction in substituted pyrimidines acetonitrile solutions at 298.15-318.15K,	Russ. J of Physical Chem. A, 88 (1), 37-41, 2014	International	ISSN: 0036-0244 ( print version ) ISSN: 1531-863X ( electronic version )	0.380			

6	Dr. P.B.Shingwekar	Green Chemicals From Awala & Hirda seed of Vidarbha Region of maharashtra	International Journal of Applied Chemistry, , ICATE-2014, Vol-1	International	ISSN: 2278-5536,				
7	Dr. Prashant B. Shingwekar & Dr. R.S.Sapkal	Eco friendly Cosmetics – An Analytical Approach	International Journal Of Technology, Science And Humanity Volume 1 - July 2014	International	ISSN : 2362-1508	--	--	--	--
8	Manoj B Kumbhare	Effect of Initiator-Monomer ratio in Polymerization of Vinyl Acetate	International journal of chemical sciences and applications Vol-5, Issue 2, 2014, PP 80-83	International	ISSN 0976-2590, Online ISSN 2278-6015	0.853			
9	Dr. N. B. Selukar	Ultrasound Technique for Quality Checking of Diesel Adulteration in Lubricating Oil	Journal of Ultra Chemistry, An International Journal of Chemical Sciences; Vol. 9, No. 3, December 2013, 318-322	International	0973-3450	---	---	---	---
10	Dr. N. B. Selukar	Gasoline and Diesel Synthesis from Waste Lubricating Oil: A Kinetic Approach	IOSR Journal of Applied Chemistry (An International Organization of Scientific Research); Vol. 1, Jan. 2014, 22-25.	International	2278-5736	---	---	---	---
11	Dr. N. B. Selukar	Plastic Petrol: Synthesis and Performative Study	International Journal of Researches in Biosciences, Agriculture and Technology; Vol. 1(2), January 2014, 956-964	International	2347517X	---	---	---	---
12	Dr. N. B. Selukar	Petrol from Plastic Waste	Journal of Environmental Research and Development, An International Research Journal, Vol. 09 (3A), January-March 2014, 741-746	International	0973-6921;	0.604	---	---	---
13	P K Wankhade	Strategic change in model of Fruit and Vegetables Supply Chain	International journal of Multidisciplinary Research, Vol.II Issue6(1), September, 2013 pp 28-31	International	ISSN: 2277-9302	--			

14	P K Wankhade	Innovations in Drying for Preservation of Fruits and Vegetables	International journal of Scientific Research volume 2, Issue 12, December 2013. p.p. 151-153	International	ISSN: 2277-8179				
15	P K Wankhade	Design and Performance Evaluation of Solar Dryer	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) PP 70-73, January, 2014	International	e-ISSN: 2278-1684, p-ISSN: 2320-334X	1.485			
16	P K Wankhade	Drying Effectiveness on agricultural products characteristics	International journal of Biosciences, Agriculture & Technology, Issue 2, vol1, January 2014	International	ISSN 2347-517X				
2012-13									
1	Dr.V.S.Sapkal Dr.R.S.Sapkal P.G.Bansod	The Optimization and production polyethersulfone ultra filtration flat sheet membranes using lithium chloride as additives	International Journal of Engineering Research and Development Volume 1. No.12, , P.g. 65-68, July 2012	International	ISSN-2278-067X				
2	Dr.V.S.Sapkal Dr.R.S.Sapkal P.G.Bansod	Influence of Ethanol Concentration on the Performance of Polyethersulfone Ultra Filtration Membranes	International Journal of Chemical Technology Research , Vol. 4 No. 4, December 2012 Pg 1518-1521	International	ISSN-0974-4290				
3	Dr.V.S.Sapkal Dr.R.S.Sapkal P.G.Bansod	The Optimization and production polyethersulfone ultra filtration flat sheet membranes using lithium chloride as additives	International Journal of Engineering Research and Development, Vol – 1, Issue 12, July 2012 Pg. 35 to 68	International	ISSN: 2278-067X				
4	Dr.V.S.Sapkal Dr.R.S.Sapkal P.G.Bansod	Influence of Ethanol Concentration On The Performance of Polyethersulfone Ultra Filtration Membranes	International Journal of ChemTech Research, Vol 4, No.4, Oct – Dec 2012 Pg.151 to 152	International	ISSN: 0974-4290 ,				



5	Dr.V.S.Sapkal Dr.R.S.Sapkal P.G.Bansod	Influence of Ethanol Concentration on the Performance of Polyethersulfone Ultra Filtration Membranes	International Journal of Chemical Technology Research , Vol. 4 No. 4, December 2012 Pg 1518-1521	Internati on	ISSN-0974-4290				
6	Dr. Pawar P. A., Kshirsagar D. N., Bansode V. V., Jadhao A. S., and Lokhande S. M.	Studies on Quality comparison of Cow and Goat milk Yoghurt	7 Beverage & Food World July 2012 Vol. 39, No. 07, 44-45.						
7	Dr.Hend G. M. & Dr. P. A. Pawar	Development of Functional RTS Pineapple Beverages	Beverage & Food World , April 2013 Vol. 40, No. 04, 48-49.	Internati onal	-	-	-	-	-
8	Dr.N. B. Selukar	Fuel From Waste Lubricating Oil by Catalytic Treatment	Bionano Frontier , International Society of Science & Technology, Mumbai, Vol. 5 (2-111), Nov. 2012, 4-6	Internati onal	0974-6678	0.3	---	---	---
9	P K Wankhade	Thermocouple Testing by Comparative Evaluation with Assistance of developed Programming	International Journal of Engineering Research and Development Volume 6, Issue 6 (March 2013), PP. 06-09	Internati onal	e- ISSN: 2278-067X, p- ISSN: 2278-800X,				
10	Dr.A. B. NAIK* & M. L . Narwade	Studies thermodynamical stability of complexes rare earth metal ions with substituted pyrazoles	Universal J Chem. 1(1), 2013, 7-10.	Internati onal	ISSN 2332-3027 (Online ) ISSN: 2332-3019 (Print)	---	---		<a href="#">Chemical Abstracts Service J-GateIndex Copernicus</a>
11	Dr.P.B.Shingwar	Biofuel from Minor Seed Oils of Forest Origin – A Source of renewable Energy in India.	Published in 9 <sup>th</sup> All India Peoples Technology Congress – Kolkatta.8 <sup>th</sup> Feb - 2013	Internati onal	----	---	---	----	
12	A. L. Rathod	Recycling of waste engine oil (lubricant) into chemical feedstock or fuel oil by thermal cracking	Asian Resonance, peer reviewed multidisciplinary international journal, Vol.-II, Issue-II, April-2013 Page No. 46-49	Internati onal	ISSN No. 0976-8602	--	--	--	--

13	Manoj B Kumbhare and S.D. Dawande	Performance Evaluation of Plate Heat Exchanger In Laminar and Turbulent flow Conditions	International journal of chemical sciences and applications Vol-4, Issue 1, 2013, PP 77-83	International	ISSN 0976-2590, Online ISSN 2278-6015	0.853			
2011-12									
1	Dr.V.S.Sapkal Dr.R.S.Sapkal M.B.Patil S.L.Bhagat	Direct Methanol Fuel Cells – Clean energy Source for Future	International Journal of Research in Chemistry and Environment Vol.2 issue 1 Jan.2012 Page no. 7 TO 12	International	ISSN-2248-9649		0.636		
2	Dr.V.S.Sapkal Dr.R.S.Sapkal Swananad Kalambe	Low pressure separation technique of biogas into CH <sub>4</sub> and CO <sub>2</sub> employing PDMS membrane	International Journal of Advance Engineering Technology IJAET Vol.III , Issue I jan-March 2012 Page no. 311 TO 315	International	ISSN-0976-3945				
3	Dr.V.S.Sapkal P.Tayde C.Rode R.Sapkal	Conventional Ethanol Reforming Technology Developments For The Productions of Hydrogen	International Journal of Advances in Engineering & Technology, March 2012 Pg.10 to 25	International	ISSN-2231-1963				
4	Dr.V.S.Sapkal P.Tayde S.K.Deshmukh C.V.Rode R.S.Sapkal V.M.Shinde G.S.Kanade	A Method to Minimize the Global Warming and Environmental Pollution	Journal of Environmental Science & Engineering Vol. 54 No.2,pg.-287 to 293 , April 2012	National	ISSN-0367-827X				
5	Dr.V.S.Sapkal Dr.R.S.Sapkal Swananad Kalambe	Low pressure separation technique of biogas into CH <sub>4</sub> and CO <sub>2</sub> employing PDMS membrane	International Journal of Advance Engineering Technology IJAET Vol.III , Issue I jan-March 2012 Pg. 311 to 315	International	ISSN-0976-3945				
6	Dr.V.S.Sapkal P.G.Bansod	Protein Separation from fermentation Broth (E.coli) using polyethersulfone UF and MF membranes	Journal of Membrane Science Technology , Vol 2, ISSUE -2, April 2012 Pg. 1 to 3	International	ISSN: 2155-9589				
7	Dr.G.M.Hend	Extraction and charetorization of swargam	International Food Research Journal 19(1), 2012 , 315 –	International	-	-	-	-	-

		sorghum starch	319						
8	Dr.N. B. Selukar, Miss P. Kale	Bio-Gasoline: A Sustainable Bio-Fuel	International Jr. of Advances in Chemical Engineering & Technology, Vol. 1 (1), Dec- 2011, 42-46	Internati onal	0976-8513	---	---	---	---
9	Dr.N. B. Selukar	1-Butanol Solvent Treatment to Waste Lube Oil for Recyling	Jr. of UltraChemistry, International Jr. of Chemical Sciences, Vol. 7(3), Sept-Dec 2011, 385-390	Internati onal	0973-3450	0.078	---	---	---
10	Dr.P.B.Shingw ekar Dr.R.S.Sapkal	Utilization of Acid Oil from Cotton Seed Oil for manufacture of PVC Plasticizer.	International Journal of Appropriate Technology and Entrepreneurship ,July-Sept.2012,Vol.-1,No.-1	Internati onal	--	---	---	----	-----
11	Dr.P.B.Shingw ekar	Biofuel-Novel Product from Minor Seed Oils of Forest Origin	International Conference on Environment, Eco-revolution-2012, Colombo, Sri Lanka (International Society of Science and Technology) ISBN 978-81-920431-2-8	Internati ona	ISBN 978-81-920431-2-8	-	---	---	----
2010-11									
1	Dr.V.S.Sapkal Dr.R.S.Sapkal N.M.Rane M.B.Patil S.P.Shewale	USE OF NATURALLY AVAILABLE LOW COST ADSORBENTS FOR REMOVAL OF Cr (VI) FROM WASTE WATER pp 65-69	International Journal of Chemical Sciences and Applications Vol 1, Issue 2, Dec-2010 Pg.Number 65 to 69	Internati on	ISSN 0976-2590	Y es			
2	Dr.V.S.Sapkal Dr.R.S.Sapkal M.B.Patil S.L.Bhagat	A review on the Fuel Cells Development Page no. 25 TO 41	Scientific Reviews & Chemical Communications Sci.Revs.Chem.Co mmun 1(1), 11 Nov. 2011 Pg.No. 25 to 41	Internati on	ISSN 2277-2669		2	9	
3	Dr.V.S.Sapkal P.G.Bansod R.S.Sapkal	Performance of (PES) Ultra Filtration Membranes Casting at	Drug Invention Today , 3(7) , 79-81, 2011 Pg.No. 79 to 81	Internati on	ISSN-0975-7619	Y es			

		Different Temperature							
4	Dr.V.S.Sapkal Dr.R.S.Sapkal M.B.Patil S.V.Taralkar S.P.Shewale	Extraction, Isolation and Evaluation of Anti-Inflammatory Activity of Curcuminoids from Curcuma Longa ,	International Journal of Chemical Sciences and applications Vol 2, Issue 3, 2011 Pg.No. pp 172-174	Internati on	ISSN 0976-2590				
5	Dr.V.S.Sapkal Dr.R.S.Sapkal P.G.Bansod	Development of casting techniques for polyethersulfone ultra filtration membranes and their effects on flux and rejection	International Journal of Chemical Sciences and applications Vol 2 Issue 2 June 2011 Page no. 156 TO 161	Internati on	ISSN 0976-2590	Y es			
6	Dr.A.B.Naik	Spectrophotometric studies of Dy (III), Nd (III), Sm (III) and Tb (III) complexes with substituted pyrazoles	World J. Chem. 6(2),2011 118-121.	Internati onal	1817-3071	---	03	03	Eur-asia Databas e & Intl Agric Databas e
7	Dr.P.B.Shingwekar Dr.V.S.Sapkal, Dr.R.S.Sapkal	Bio-fuel from Minor Seed Oils, Tapping forest Wealth	South Asia Oils and Fats Today, Issue 5, Volume 12, (Page No.6-9), August, 2010.	Internati onal	-	-	-	-	-

## 22.2 Books Written/ Edited:

2013-14:

S. N.	Name of Authors	Title of Book	Name of Publisher	ISSN/ISBN No.	No. of Pages	Acted as (Editor/ Author)
1	Dr.A.B.Naik	Studies the substituted pyrazoles and pyrazolines complex equilibria	Scholar Press, Germany	ISSN 978-3-639-51672-2	230	Author

## 22.3 Monographs/ Chapters in Book/s Written/Edited:

Nil

## 22.4 Publications in Conference/Seminar Proceedings:

S. N.	Name of Authors	Title of Paper	Name of the Conference/Seminar/Workshop	Status National/International	ISSN/ISBN No	Name of Organizing Agency	Duration and Date	Volume and Page No. of Proceedings
2014-15								
1	Dr.G.M. Hend	Spirullina fortified banana cake	Futuristic and innovative application of home science for community upliftment 20	National	ISSN 978-81-922652-4-7	RDG College of Akola	September 2014 ,	Pg. 108-110
2	Dr.A. B. Naik& P. B. Morey	Acoustic and thermodynamical studies of ternary mixture of 2-aminothiazole with acetonitrile in water at varying temperatures	International Symposium on ultrasonic	International	ISSN 2319-7064	RTM Nagpur University	February 2015	Int. J. of Sci. & Res. 211-214
2012-13								
1	Dr.G.M. Hend	Value added products from Banana Waste	Eco-revolution – 12	International	978-81-920431-2-8	Econeed foundation India.	18-20 August 2012	Pg.112 -113
2	Dr. G.M.Hend	Proximate composition and sensoroi properties of soya paneer	Use of Innovative techniques in food science .	National	ISBN: 978-9582588-07-8	Ramkrishna Mahavidyalya Darapur	Dt. 10 January 2013	Pg. 44-45
3	P K Wankhad e	Drying Characteristics of Okra Slices using Different Drying Methods by Comparative Evaluation	International conference in Chemical engineering (WCECS 2012)	International	ISBN: 978-988-19252-4-4 ISSN: 2078-0958 (Print) ; ISSN: 2078-0966 (Online)	Institute of engineers, at San Francisco, USA.	24 <sup>th</sup> - 26 <sup>th</sup> October, 2012.	Volume: 2201 - Issue: 1 Pp 757-760
4	P K Wankhad e	Drying Characteristics of Okra slices on drying	3 <sup>rd</sup> Nirma University International ConferenceNUi	International	Elsevier Proce dia	Institute of Technology, Nirma University,	6 <sup>th</sup> -8 <sup>th</sup> December, 2012.	51 ( 2013 ) 371 –

		inHot Air Dryer	CONE- 2012		Engin eering	Ahmedabad		374
5	Dr.N. B. Selukar, S. M. Wagh, R. V. Dahake	Batch Process For Efficient Recycling Of Waste Lube Oil	Conference Proceeding, One Day Interdisciplinary National Conference On, 'Use Of Innovative Technology In Food Sciences'	National	978-93-82588-07-08	Amravati	10 <sup>th</sup> Jan 2013	63-65
6	A. B. Naik, M. L. Narawade and G. G. Muley	Stability constant of Pr (III) and La (III) with substituted pyrazolines	National Conference on Upcoming Trends in Chemical Sciences	National	ISBN 978-81-905776-99-9	Shri. Anand College of Science, Paturdi	Septe mber 6-7 <sup>th</sup> 2013	28-29
2011-12								
1	Dr.P.A.Pa war Dr.G.M. Hend	Optimization of Malting Conditions of Sorghum and Legumes or formulation and evaluation of weaning food	International congress on food engineering and technology	International	-	JEET – 12 Bankok Thiland	March 28-30, 2012.	-
2	P K Wankhad e	Comparative study of Design and Application analysis of Grain/Vegetab le drying	Recent trends in Mechanical Engineering	National	ISSN: 2250-0804, ISBN: 978-81-906467-3-7	MPGI Integrated campus, Nanded.	7 <sup>th</sup> to 8 <sup>th</sup> March, 2012.	PP 1-4
3	Dr.A. B. Naik	Bioplastics is a ecofriendly polymer materials	National Seminar on Technological Innovations with Environmental Integrity	National	ISBN 978-81-922256-5-4).	COET, HVPM, Amravati	Februa ry, 28 <sup>th</sup> 2012	36-38
2010-11								
1	P K Wankhad e	Innovation in Design of Dryer for Energy saving in Paper making	Emerging trends in Engineering and Technology	National	--	L.R.Tiwari college of engineering, Mumbai.	11 <sup>th</sup> March, 2011.	Pp 839-843

2	Dr.A. B. NAIK , M. R. Ingle, and M. L. Narwade	Studies on acoustic parameters of some substituted Benzothiazoles in 70% dioxane-water, methanol-water and THF-water mixture at different temperatures	BioNano Frontier	Natioanl	National Seminar on Current trends in Material Science at Shri Dr. R.G. Rathod Arts and Science College, Murtizapur	2011).	61-63.
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## 23. Details of patents and income generated

Nil

## 24. Areas of consultancy and income generated

S. N.	Year	Name (s) of the Faculty Member	Area of Consultancy	Income Generated with Receipt Numbers
1	2010-11	Dr.V.S.Sapkal	Chemical Engineering	15000/-
		Dr.V.S.Sapkal	Chemical Engineering	1000/-
		Dr.V.S.Sapkal	Chemical Engineering	1000/-
		Dr.R.S.Sapkal	Paper Technology	2000/-
		Dr.R.S.Sapkal	Paper Technology	1000/-
		Dr.R.S.Sapkal	Paper Technology	600/-
2	2011-12	Dr.R.S.Sapkal	Chemical Technology	10000/-
3	2012-13	Dr.R.S.Sapkal	Chemical Technology	3000/-
		Dr.R.S.Sapkal	Chemical Technology	4000/-
		Dr.P.A.Pawar	Food Technology	1000/-
4	2013-14	Dr.R.S.Sapkal	Chemical Technology	500/-
		Dr.P.B.Shingwekar	Chemical Technology	1000/-
		Dr.P.B.Shingwekar	Chemical Technology	1000/-
		Dr.P. A. Pawar	Food sample testing	Rs.500/-
		Dr.N. B. Selukar	Testing of Sample	2,000/- Receipt No.: 0374411, Dt. 26/03/2014
5	2014-15	Dr.N. B. Selukar	Evaluation of Solvent	5,000/- Receipt No. 0060112 Dt. 10/10/2014

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

S. N.	Year	Name of the Faculty	Name of the Laboratory / Institute / Industry visited	Status (National/ International)	Duration
1	2014-15	Dr.V.S.Sapkal	University of Paris	International	September 2014
2	2014-15	Dr.V.S.Sapkal	Tokyo Institute of Technology	International	November 2014
3	2011-12	Dr.P. A. Pawar	King Mongkut Technological University, Bangkok	International	One day

26. Faculty serving in

- a) National committees b) International committees c) Editorial Boards d) any other (please specify)

S. N.	Year	Name of the Faculty	National Committees/ International Committees/ Editorial Boards/ Any Other (specify)	Organization	Acted as Member / Chairman/ Secretary/ Others (specify)
1	2010-14	Dr.V.S.Sapkal	Vice Chancellor	Rastrasant Tukadoji Maharaj Nagpur University, Nagpur	Chairman of all statutory bodies of the university.
2	2010-11	Dr.R.S.Sapkal	Academic & Administrative audit committee	Rastrasant Tukadoji Maharaj Nagpur University, Nagpur	Member
3	2010-14	Dr.R.S.Sapkal	Observer for IGNOU centre	IGNOU	Observer
4	2014-15	Dr.P. A. Pawar	Editorial Board Member for following Journals 1 Journal of Food and Nutrition Science, Science Publishing Group, USA. 2. Food Science and Technology, Horizon Research Publishing	1.Science Publishing Group, USA. 2.Horizon Research Publishing Corporation, USA.	Editorial Board Member,



			Corporation, USA 3. Transactions on Engineering and Sciences India. 4. International Journal of Chemical Engineering and Processing, India 5. International Journal of Analytical and Applied Chemistry, , India		
5	2013-14	Dr.A. B. NAIK	International	Universal J of Appl. Science, USA	Editor Board member
		Dr.P. A. Pawar	Editorial Board Member for following Journals 1 Journal of Food and Nutrition Science, Science Publishing Group, USA. 2. Food Science and Technology, Horizon Research Publishing Corporation, USA.  Data Auditor for Government Engg. College Pune, selected under sub-component 1.2 of TEQIP Phase II projects.		
		Dr.P B Shingwekar	Assessment Committee for Up Gradation Of RGNJRF to RGNSR ( UGC Scheme ) in Rajiv Gandhi National Fellowship Scheme for SC/ST	( UGC Scheme) in Rajiv Gandhi National Fellowship Scheme for SC/ST	Member
6	2012-13	Dr.A. B. NAIK	National	Vision Journal for Chemistry	Editor Board member of 2013
		Dr.P. A. Pawar	Editorial Board Member for following Journals 2 Journal of Food and Nutrition Science,		

			Science Publishing Group, USA. 2. Food Science and Technology, Horizon Research Publishing Corporation, USA.  Data Auditor for Government Engg. College Pune, selected under sub-component 1.2 of TEQIP Phase II projects.		
7	2011-12	Dr.P. A. Pawar	Data Auditor for Government Engg. College Pune, selected under sub-component 1.2 of TEQIP Phase II projects. Data Auditor for G. H. Raisoni College Nagpur, selected under sub-component 1.2 of TEQIP Phase II projects	N.P.I.U., New Delhi	Data Auditor for TEQIP
8	2010-11	Dr.P. A. Pawar	Data Auditor for Government Engg. College Pune, selected under sub-component 1.2 of TEQIP Phase II projects. Data Auditor for G. H. Raisoni College Nagpur, selected under sub-component 1.2 of TEQIP Phase II projects	N.P.I.U., New Delhi	Data Auditor for TEQIP

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).  
 ➤ Faculties are motivated to attend Refresher/ Orientation/ Workshops/ Specialized Training Programmes/ Industrial Interaction to achieve excellence in teaching and research.
28. Student projects
- percentage of students who have done in-house projects including inter-departmental projects – 90%
  - percentage of students doing projects in collaboration with other universities / industry / institute – 10%

## 29. Awards / recognitions received at the national and international level by

- Faculty -
- Doctoral / Post Doctoral Fellows –
- Students –

S. N.	Year	Name of the Faculty <sup>1</sup> /Doctoral <sup>2</sup> /post Doctoral Fellow <sup>3</sup> /Student <sup>4</sup>	Award / Recognition	Conferring Organization	Level (National/ International)
1	2014-15	Dr. P. B. Shingwekar	Fellow member of International Society of Science & Technology	International Society of Science & Technology	International
		Dr.N. B. Selukar <sup>1</sup>	BEST RESEARCH PAPER AWARD IN TECHNOLOGY SESSION	7 <sup>th</sup> International Congress of Environmental Research	International
2	2013-14	Dr.N. B. Selukar <sup>1</sup>	BEST RESEARCH PAPER AWARD IN TECHNOLOGY SESSION	6 <sup>th</sup> International Congress of Environmental Research	International
3	2010-11	A.J.Shinde, A.M.Kharche, C.A.Shinde B.Tech students	1 <sup>st</sup> Cash Prize of Rs.10,000/- Industry problem solving competition	Institute of Chemical Technology , Mumbai	National
4	2011-12	Chandrakant Shinde- Food Technology Meghna Gokhale- Pulp & Paper Technology Damle – Oil & Paint Technology	University Gold Medal	SGB Amravati University	National

## 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Nil

## 31. Code of ethics for research followed by the departments

- The professional ethics of secrecy and integrity is maintain in the research carried out by the department

## 32. Student profile programme-wise:

## B.Tech.

Year	Admitted to First Year of the Course			Pass Percentage of Students	
	Boys	Girls	Total	Boys	Girls
2014-15	34	23	57	--	--
2013-14	27	21	48	3.70	4.76
2012-13	34	27	61	11.76	14.81
2011-12	26	27	53	30.76	18.51
2010-11	37	23	60	13.51	30.43

## M.Tech.

Year	Admitted to First Year of the Course			Pass Percentage of Students	
	Boys	Girls	Total	Boys	Girls
2014-15	<b>6</b>	<b>2</b>	<b>8</b>	--	--
2013-14	3	6	9	100	83.33
2012-13	2	8	10	100	100
2011-12	4	4	8	75	50
2010-11	5	5	10	80	100

## 33. Diversity of students

Name of the Programme	Year	Percentage of students from the same university	Percentage of students from other universities within the State	Percentage of students from Universities outside the State	Percentage of students from other countries
B.Tech	2014-15	92.98	00	7.02	00
	2013-14	85.42	00	14.58	00
	2012-13	98.36	00	1.64	00
	2011-12	88.68	11.32	00	00
	2010-11	95	3.33	1.67	

Name of the Programme	Year	Percentage of students from the same university	Percentage of students from other universities within the State	Percentage of students from Universities outside the State	Percentage of students from other countries
M.Tech	2014-15	50	50	00	00
	2013-14	66.67	33.33	00	00
	2012-13	70	30	00	00
	2011-12	75	25	00	00
	2010-11	100	00	00	00

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

- 05 Students - GATE

35. Student progression

Student Progression	Percentage against enrolled
UG to PG	8%
PG to M. Phil.	Nil
PG to Ph.D.	5%
Ph.D.to Post Doctoral	Nil
Employed	
▪ Campus Selection	2%
▪ Other than campus recruitment	25%
Entrepreneurs	NA

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	18.19%
from other universities within the State	81.19%
from universities from other States from	Nil
universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

*List of Faculty who were awarded Ph.D*

Sr.No	Name
1.	Dr.G.M.Hend
2.	Dr.N.B.Selukar
3.	Dr.A.B.Naik
4.	Dr.P.B.Shingwkar

38. Present details of departmental infrastructural facilities with regard to :  
(Please specify numbers)

- a. Library : Departmental Library is created which consist of copies of seminar , dissertation/ project report of B.Tech and M.Tech students . Copies of Ph.D thesis and donated copies of text books are also available in the departmental library.
- b. Internet facilities for staff and students : 1GB Internet Line with wifi facility is available in the computer lab 60 computers are connect in LAN with internet facility.
- c. Total number of class rooms : 9
- d. Class rooms with ICT facility : 5
- e. Students' laboratories : 19
- f. Research laboratories : 2

39. List of doctoral, post-doctoral students and Research Associates :

a) from the host institution/university

S. N.	Name	Doctoral/post-doctoral / Research Associate	Duration of Fellowship
1	S.K.Deshmukh	Doctoral	
2	P.G.Bansod	Doctoral	
3	P.Tayade	Doctoral	
4	M.Patil	Doctoral	
5	J.B.Bornare	Doctoral	
6	S.Chavande	Doctoral	

b) from other institutions/universities

S. N.	Name	Doctoral/post-doctoral / Research Associate	Duration of Fellowship
1	G.B.Shinde	Doctoral	
2	D.Bhutada	Doctoral	
3	S.Kodape	Doctoral	
4	R.Gaikwad	Doctoral	
5	D.J.Garkal	Doctoral	

40. Number of post graduate students getting financial assistance from the university.  
Nil

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. : -

- Need was assessed for creating manpower with special knowledge and skill in downstream processing for chemical industry as 70 % of the total cost of production comes from downstream processing section of the industry. Hence an Innovative Programme of membrane and separation technology (M.Tech) was developed and started under innovative programme of UGC.

42. Does the department obtain feedback from
- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? :-
    - Suggestions from faculty on curriculums as well as teaching learning and evaluation are obtained and are considered through Board of Studies. The syllabus of the course is updated from the feedback.
  - Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? :-
    - Yes. The feedback from the students is utilized for necessary corrective action.
  - Alumni and employers on the programmes offered and how does the department utilize the feedback? :-
    - Yes. The feedback from Alumini from employers are utilized for brining necessary changes in the syllabus teaching methodology , skill development of students and instructional and research facilities in the department.
43. List the distinguished alumni of the department with their designation and address (maximum 10)
- Ashish Kuldip, Bargar Beckers coating pvt. ltd, Goa
  - L.S.Sisode , Causai Nerolac , Thane.
  - Janardhan Patange, Azonobel Ltd, Banglore.
  - Vijay Gophane, Brunei shell petroleum , Brunei.
  - Rupesh Dagwade, Note Mudran pvt. Ltd, West Bangol.
  - Ashish Athilkar , Security Paper Mill, Hoshangabad.
  - Amit Bartakke , CETCO lining technology India pvt, Ltd. Mumbai.
  - Dr.N.B.Raut, University, Oman.
  - Dr.G.B.Shinde, Principal , College of Engineering , Sinner , Nashik.
  - J.B.Bornare, Thermax , Pune.
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts. :
- Special lectures : -**
- Prof. M.M.Sharma, Formor Director UDCT, Mumbai and Padmavibhushan delivered lecture on innovations in chemical industry on 5<sup>th</sup> December 2014.
  - Mr.Vijay Gophane , Project Engineer from Brunai, Shell Petroleum SDN , delivered special lecture on 27-8-2014.
  - Mr.Mangesh Deshmukh from Harmony Organic pvt. ltd , Pune. Delivered lecture on 28-08-2014.

- Amit Bartakke , Regional sales director , CETCO lining technologies India, pvt. ltd, Mumbai. Delivered talk on 12.02.2015.
  - A workshop is organized for self-study , confidence building , interview techniques by corporate expert Mohan Chute in February 2015.
  - Seminar is organized on Green Chemical Technologies on 18-03-2012 in which experts from NEERI Nagpur Dr. Atul Vaidya, Dr.Tapan Chakraborty delivered the talk. Prof. Sanjay Mahajani, Department of Chemical Engineering IIT Bombay also delivered invited speech.
  - A talk on “Higher education on job opportunities in USA” was organized on 18<sup>th</sup> January 2012 with speakers Mr.Himanshu Dev and Mr.Raja Pareira.
  - Regular summer industrial training programme for students are organized every year.
45. List the teaching methods adopted by the faculty for different programmes. :
- Explaining the objectives of learning individual subjects and outcome expected, encouraging interactive and participating learning , use of technology unable teaching and learning , discussing application and case studies , activity base learning , assignment and self learning techniques , mapping and making necessary corrective actions to minimize the gap between taught and learnt.
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? :
- The knowledge acquired by the students and subsequently the skills develop for problem solving, designing are monitored to ensure that programme objectives are met. The students are encourage to solve industrial problems through innovative approach. The set of competencies and technical knowledge acquired by the students are monitored through their success in placement activity.
47. Highlight the participation of students and faculty in extension activities.:
- The department is actively engage in extension activities in the field of propagating use of non conventional energy sources. The renewable energy park establish in the department is use for demonstration of equipments and systems for understanding importance of solar and wind energy. The department organizes workshop every year for skill development in conversion of handmade paper into useful products. Through NSS extension activities such as plantation , cleanliness drive , blood donation camp , etc are organized. Engineers day is celebrated every year which includes various activities.
48. Give details of “beyond syllabus scholarly activities” of the department.
- Students are encouraged to undertake various mini projects to work on any innovative idea.



49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. :

No.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied. :

- Through research carried out for doctoral thesis and sponsored research projects membrane based processes are developed for industrial applications to conserve the energy, environmental protection and quality improvement. The process intensification is carried out for various industrial applications this includes concentration of orange juice, milk concentration, protein manufacturing, biofuel generation, waste management and recycling, useful food products etc.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

**Strength :**

- The only department offering professional courses of oil and paint, food technology, paper technology, petrochemical technology in the jurisdiction of the university which are approved by AICTE.
- Well developed Research culture and facility in the department through execution of projects such as special assistance program (SAP), FIEST, MRP, Innovative Program, MODROB Scheme, etc.
- Recognition of the department through well placed Alumni in the industries in India and abroad. 3 Gold Medals were instituted by the industry.
- Linkage with industry and institutions in India and abroad.
- B.Tech, M.Tech and Ph.D programmes are offered in the department.

**Weaknesses:**

- Inadequate teaching faculty.
- Less industries in the region.

**Opportunities:**

- Expansion of research activities in the thrust new areas.
- Strengthening of cooperation with industry.
- Development of need based courses.

**Challenges :**

- Large number of private colleges.
- Migration of students to metropolitan cities.

52. Future plans of the department. :

- To start courses useful to the industrial processing of the region.
- To enhance consultancy and testing activities suitable to the industry.
- To undertake innovative research which is industrially relevant.
- To increased networking with academic & research institutions in India and abroad.

## Evaluative Report of the Department

1. Name of the Department : **Department of Law.**
2. Year of establishment : 1995
3. Is the Department part of a School/Faculty of the university?  
NA
4. Names of programmes offered :

Level of the Programme	Name of the Programme	Duration	Intake capacity	Faculty
PG	LL.M.	2 years	75(Three Specializations)	Law
PG Diploma	Human Right Education	1 year	25	Law
Doctoral	LLD	--	08	Law

5. Interdisciplinary programmes and departments involved  
Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc.  
Nil
7. Details of programmes discontinued, if any, with reasons  
Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System  
Annual
9. Participation of the department in the courses offered by other departments  
No
10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	01	01	01
Associate Professor	01	-	-
Assistant Professor	02	01	01
Other (Specify)			

11. **Faculty profile** with name, qualification, designation, area of specialization, experience and research under guidance

S. N.	Name	Qualification	Designation	Gender (M/F)	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 years
1.	Dr. V.S. Chowbe	LL.M. PhD.	Professor	M	Law	14	15
2.	Dr. K.V. Jawale	LL.M. Ph.D.	Asst. Professor	F	Law	10	-

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Year	Name of senior Visiting Fellows	Name of adjunct faculty	Name of emeritus professors
2014-15	Dr. V.N. Ghormade	--	--
2012-13	Dr. V.N. Ghormade	--	--
2011-12	Dr. V.N. Ghormade	--	--
2010-11	Dr. V.K. Dixit	--	--

13. Percentage of classes taken by temporary faculty – programme-wise information

S. N.	Year	No. of CHB (LL.M And PG Diploma Human Rights)	Percentage of classes taken by temporary faculty
1	2014-15	01+5	66.66
2	2013-14	01+4	66.66
3	2012-13	01+4	66.66
4	2011-12	01+4	66.66
5	2010-11	01+4	66.66

14. Programme-wise Student Teacher Ratio

S. N.	Year	Student Teacher Ratio
1	2014-15	100 : : 02
2	2013-14	100 : : 02
3	2012-13	100 : : 02
4	2011-12	100 : : 02
5	2010-11	100 : : 02

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Sr. No.	Name of the Post	No. of Sanctioned Posts	No. of Filled Posts	No. of Vacant Posts
1	Helper	01	01	--

16. Research thrust areas as recognized by major funding agencies  
➤ Ambedkar Thoughts, Farmer Suicide, Malnutrition, Surrogacy, Cyber Law, IPR
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.  
Nil
18. Inter-institutional collaborative projects and associated grants received  
a) National collaboration                      b) International collaboration :  
Nil
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

S. N.	Title of Project	Funding Agency	Total Grants Sanctioned	Duration	Status (Complete / Ongoing)
2012-13					
1	Dr. K.V. Jawale	“Analysis of the problem of Malnutrition in Melghat Area of Maharashtra- A Socio-legal Study”	UGC	1, 25000/-	National
2010-11					
1	Dr. V.S. Chowbe	“Impact analysis of TRIPS Agreement on Farmer’s suicide in Western Vidharbha Region of Maharashtra” A socio-legal study”	UGC	1,05000/-	National

20. Research facility / centre with  
Nil
21. Special research laboratories sponsored by / created by industry or corporate bodies  
Nil

## 22. Publications:

## 22.1 Research Articles/Publication:

S. N.	Name of Authors	Title of Paper	Name of the Journal and Vol. No., Year, Page No.	Status National/ International	ISSN/IS BN No of Journal	Impact Factor	h-Index	Citation Index	Listed in International Database
2014- 2015									
1	Dr. V.S. Chowbe	Colouring the Truth for TRP Media Trial or Fair Trial? Where the Fair Justice lie?	Vol Nov – 2014 (Monthly) Pg. 59-69 Bahunjan Aadhar published by Adhar Social Science Research & Development Training Institute, Amravati	National	ISSN : 2278-9308				
2	Dr. V.S. Chowbe	Woman Empowerment : Judicial Inputs	Vol Dec – 2014 (Monthly) Pg. 72-84 Bahunjan Aadhar published by Adhar Social Science Research & Development Training Institute, Amravati	National	ISSN : 2278-9308	-	-	-	-
3	Dr. K.V. Jawale	“Analysis of the Problem of Malnutrition in Melghat Area of Maharashtra – A Socio-Legal Study”	Online International Interdisciplinary Research Journal, {Bi-Monthly}, ISSN 2249-9598, Volume-V, Issue-I, Jan-Feb 2015 Issue	International	ISSN 2249-9598,	2.217			
2013-14									
1	Dr. V.S. Chowbe	Empowerment of ‘Woman Empowerment? Why? How Far the Claim Justified on Human Right’s Yardsticks	Lokavishkar International E-Journal Vol-I, Issue-IV, Oct-Nov-Dec2012available at <a href="http://www.liirj.org/liirj/oct-nov-dec2012/03.pdf">http://www.liirj.org/liirj/oct-nov-dec2012/03.pdf</a>	International	ISSN 2277-727X				
2	Dr. K.V. Jawale	Constitutional Validity of Narco Analysis Test under Article 20(3) of	Online International Interdisciplinary Research Journal, {Bi-Monthly}, Volume-IV, March 2014 Special Issue	International	ISSN2249-9598	Yes 2.89			

		The Constitution of India with reference to Judicial Pronouncements Pg. No. 409-414							
3	Dr. K.V. Jawale	The Right to Speedy Trial as a Fundamental right: A Critical Approach in Indian Perspectives	Lokavishkar International E-Journal, Lokavishkar International E-Journal, ISSN 2277-727X, Vol-III, Issue-I, Jan-Feb-Mar2014 Vol-III, Issue-I, Jan-Feb-Mar2014	International	Lokavishkar International E-Journal, ISSN 2277-727X, Vol-III, Issue-I, Jan-Feb-Mar2014				
4	Dr. K.V. Jawale	Judicial Interpretation of Medical Negligence and Liability of Doctors under Consumer Protection Act, 1986 Pg. No. 380-388	Online International Interdisciplinary Research Journal, {Bi-Monthly}, ISSN2249-9598, Volume-III, Issue-V, Sept-Oct 2013		ISSN2249-9598	Yes 2.89			
5	Dr. K.V. Jawale	"Does Law protect Surrogacy?: National - International perspectives" Pg. No.221-228	Civil & Military Law Journal Vol. 49 No.3 July- September-2013	National	- ISSN 0045-7043				
2012-13									
1	Dr. V.S. Chowbe	Arguing woman empowerment : Loading the legal strategies with Human Rights Rider	Asia Law House Dialectics and Dynamics of Human Right ed. By Dr. Mrs. Annie John	ISBN 978-93-81849-66-8					
2	Dr. V.S. Chowbe	Adultery A conceptual and Legal Analysis	Law & Society : Family Law, Relations & DR relations Vol. 6 No. 32 June, 2011	Available at papers.ssrn.com/sol3/papers.cfm?abstract_id=185					

				6991					
3	Dr. K.V. Jawale	Judicial Approach towards Live-in Relationship: National and International Perspectives	Civil and Military Law Journal, Delhi. Vo. 47 July-Sept 2011.	National	ISSN 0045-7043				
4	Dr. K.V. Jawale	Social Justice Through Public Interest Litigation And Judicial Activism In India	Online International Interdisciplinary Journal, (Bi-Monthly), Vol-II, Issue-II, Mar-Apr 2012.	International	ISSN 2249-9598				
5	Dr. K.V. Jawale	Methods of Sampling Design in the Legal Research: Advantages and Disadvantages	Online International Interdisciplinary Journal, (Bi-Monthly),	International	ISSN 2249-9598				
2011-12									
1	Dr. V.S. Chowbe	Cyber Criminality & its Legal Control: Fighting with Stones in Jet Age	Global Journal of Enterprise Information System Vol 3, No 3 (2011)& also published in INFORMATION SYSTEMS : BEHAVIORAL & SOCIAL METHODS eJOURNAL Vol. 3, No. 36: Mar 8, 2011. also by, eBUSINESS & eCOMMERCE eJOURNAL Vol. 3, No. 30: Mar 9. also by INTERNATIONAL, TRANSNATIONAL & COMPARATIVE CRIMINAL LAW eJOURNAL Vol. 5, No. 11: Mar 9, 2011	International	eISSN: 0975-1432; ISSN: 975-153x [Print]				
	Dr. V.S. Chowbe	An Introduction to Cyber Crime: General Considerations	Global Journal of Enterprise Information System Vol 3, No 3 (2011)& also published in INFORMATION SYSTEMS	International	eISSN: 0975-1432; ISSN: 975-153x [Print]				



			: BEHAVIORAL & SOCIAL METHODS e JOURNAL Vol. 3, No. 36: Mar 8, 2011. also by, eBUSINESS & eCOMMERCE eJOURNAL Vol. 3, No. 30: Mar 9. also by INTERNATIONAL, TRANSNATIONAL & COMPARATIVE CRIMINAL LAW eJOURNAL Vol. 5, No. 11: Mar 9, 2011						
	Dr. V.S. Chowbe	“Commercial Surrogacy in India – A Legal and Moral Analysis”,	Historical Review of Human Rights : Aims & Achievements : A book edited by Dr. V.S. Ingle published by ALFA Publications, Nanded, pgs 95-104, September 2011	National	ISBN : 978-93-80383-19-3,				
	Dr. V.S. Chowbe	“Lok Adalat – A Strategic Forum for Speedy and Equitable Justice”,	The IUP Journal of Law Review July, 2011, <a href="http://www.iupindia.in/1107/Law%20Review/Lok_Adalat_A_Strategic_Forum.html">http://www.iupindia.in/1107/Law%20Review/Lok_Adalat_A_Strategic_Forum.html</a>	National	ISSN : 0972-6926				
2	Dr. K.V. Jawale	Euthanasia: ‘To be’ or ‘not to be’? Pg. 206-212	Civil and Military Law Journal, Delhi. Vo. 47 July-Sept 2011.	National	ISSN 0045-7043				
	Dr. K.V. Jawale	Changing Dimension of ‘Right To Legal Aid’ As A Fundamental Right Under Indian Constitution: A Judicial Approach Pg. 96-103.	Online International Interdisciplinary Journal, (Bi-Monthly), Vol-II, Issue-II, Mar-Apr 2012.	International					
2010-11									
1	Dr. V.S. Chowbe	An Introduction to Cyber Crime	Journal of Computer Science and Technology Also in Journal of Information system : Behavioral & Social Methods eJournal Vol 3 No. 35 Mar 7, 2011 JCST-1102-0475 & Info	International	ISSN : 0975-153X [Print] & Eissn : 0975-1432 [Online]				

			journal						
	Dr. V.S. Chowbe	Lok Adalat – A Strategic Forum for Speedy and Equitable Justice”	INDIA LAW eJOURNAL Vol. 7, No. 15: Mar 3, 2011. also published by NEGOTIATION & DISPUTE RESOLUTION eJOURNAL Vol. 12, No. 8: Feb 28, 2011, Also published in Negotiation & Dispute Resolution eJournal Vol. 12 No. 8 Feb, 28 2011	International	ISSN : 0972-6926				
	Dr. V.S. Chowbe	Intellectual Property and Its Protection in Cyberspace	The IUP Journal of Intellectual Property Rights, Vol. 9, Nos. 1 & 2, pp. 7-41, February & May 2010,	National	ISSN : 0972-6926				
	Dr. V.S. Chowbe	Digital Signature : Nature Scope Under the IT Act, 2000 – Some reflections	Global Journal of Enterprise Information System [GJEIS] Vol 2, No 1 (2010). And also published in ENTREPRENEURSHIP & LAW eJOURNAL Vol. 5, No. 86: Oct 5, 2010. Also published in Information Systems: Behavioral & Social Methods eJournal Vol 2, Issue 104, October 12, 2010 and also published by Asian Law eJournal Vol 8, Issue 57, November 04, 2010 also published by in Cyberspace Law eJournal Vol 15, Issue 68, November 04, 2010 . Also Published by India Law eJournal Vol 6, Issue 47, November 09, 2010 INDIA LAW eJOURNAL Vol. 6, No. 47: Nov 9, 2010,	International	ISSN : 0975-153X [Print] & Eissn : 0975-1432 [Online]				
	Dr. V.S. Chowbe	The Concept of Cyber-Crime: Nature & Scope	Global Journal of Enterprise Information System in issue Jan-March 2011. ISSN : 0975-153X [Print] & Eissn : 0975-1432 [Online]	International	ISSN : 0975-153X [Print] & Eissn : 0975-1432 [Online]				

	Dr. V.S. Chowbe	Legal Analysis of Rights against the Protection of 'Bio-Medical Waste' and Judicial reflections'	1. CEERA-NLIU, Bangalore on their web page 2. Environmental Law & Policy eJournal Vol. 3 No. 18 Mar 16, 2011. Also in ENVIRONMENTAL LAW & POLICY eJOURNAL Vol. 3, No. 18: Mar 16, 2011 & PUBLIC HEALTH LAW & POLICY eJOURNAL Vol. 3, No. 20: Mar 14, 2011 and in ASIAN LAW eJOURNAL Vol. 9, No. 12: Mar 17, 2011 also in INDIA LAW eJOURNAL		Official WebPage of National Law School & CEERA See, <a href="http://www.nlsenlaw.org">www.nlsenlaw.org</a> > Waste Management > Articles See also <a href="http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1773390">http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1773390</a>				
2	Dr. K.V. Jawale	Gender Discrimination Vis-a-vis Human Rights	'Historical Review of Human Rights: Aims and Achievement'	National	ISBN No. 978-93-80393-19-3 November 2010				

## 22.2 Books Written/ Edited:

Nil

## 22.3 Monographs/ Chapters in Book/s Written/Edited:

S. N.	Name of Authors	Title of Book	Title of Chapter	Name of Publisher	ISSN/ISBN No.	Page No.	Contributed As (Editor/Author)
2012-13							
1	Dr. V.S. Chowbe	Understanding Cyber Law : Demystifying fallacies	Reference Book by Sole Author	Satvik Publication Amravati	Yes ISBN 978-81-922889-0-1	200 pages	Single Authored
2	Dr. V.S. Chowbe	Law Relating to Adultery in India	Reference Book by Sole Author	Satvik Publication Amravati	Yes ISBN 978-81-922889-1-8	180 pages	Single Authored
3	Dr. V.S. Chowbe	Legal Control of Commercial Surrogacy in India	Reference Book by Sole Author	Satvik Publication Amravati	Yes ISBN 978-81-922889-2-5	235 pages	Single Authored
4	Dr. V.S. Chowbe	Lok Adalat : An effective tool of Alternate Dispute	Reference Book by Sole Author	Satvik Publication Amravati	Yes ISBN 978-81-922889-3-2	170 pages	Single Authored

		Resolution					
5	Dr. V.S. Chowbe	Legal Analysis of Bio-medical Waste Management in India	Reference Book by Sole Author	Satvik Publication Amravati	Yes ISBN 978-81-922889-4-9	210 pges	Single Authored
6	Dr. V.S. Chowbe	Legal Strategies for Woman Empowerment : A famine Approach	Reference Book by Sole Author	Satvik Publication Amravati	Yes ISBN 978-81-922889-5-6	250 pges	Single Authored
2011-12							
	Dr. V.S. Chowbe	An Introduction to Cyber Law in India	Reference Book	Satwik publication	ISBN 978-81-922889-0-1		
	Dr. V.S. Chowbe	‘Changing dimension of Law relating to adultery in India’	Reference Book	Satwik publication	ISBN 978-81-922889-1-8		
	Dr. V.S. Chowbe	Legal perspective of Bio-medial Waste Management in India	Reference Book	Satwik publication	ISBN 978-81-922889-4-9		
2010-11							
	Dr. V.S. Chowbe	Acquisition of Patents : Procedure & Practice	Reference Book Sole Author	Asia Law House, Hyderabad	Yes ISBN 978-93-80559-01-8	230 Pages	Single Author

## 22.4 Publications in Conference/Seminar Proceedings:

S. N .	Name of Authors	Title of Paper	Name of the Conference/Seminar/Workshop	Status National/International	ISSN/ ISBN No (if any)	Name of Organizing Agency	Duration and Date	Volume and Page No. of Proceedings
2014-15								
1	Dr. K.V. Jawale	Judicial approach towards Obscenity vis-à-vis dignity of women: A National perspectives	13th National Seminar on- “WOMEN AND CYBER LAW”	National	ISSN	Rashtrasant Tukadoji Maharaj nagpur University’ s Dr. Babasaheb aAmbedkar college of law, Nagpur	6 <sup>th</sup> Feb. 2015	
2	Dr. K.V. Jawale	Caste Discrimination, Untouchability and goals of the		International		Ramkrushn a Mahavidyala Darapur		

		Constitution of India by Ambedkar						
2013-14								
1	Dr. K.V. Jawale	Women's Empowerment through Reproductive Rights: National Perspective	One Day State Level Seminar on Empowerment of Women and Legislative Provision organized by	Indian Journal of Innovative Research in Arts	ISSN 2249-5029	Nankibai Wadhwani Kala Mahavidyalaya Yavatmal	on 3 <sup>rd</sup> Dec. 2013.	pg. 78-85
2012-13								
1	Dr. K.V. Jawale	Honour Killing as a violation of fundamental rights of women in the light of cases decided by the courts in India	A violence against women -need to awaken the conscience of Humanity	National		Dayanand Law College Latur	2 Days	29 <sup>th</sup> 30 March 2013
2	Dr. K.V. Jawale	Relevance of Dr. B.R. Ambedkar's Ideology on rural development with reference to 'Democracy vis-à-vis Social Equality' in the Modern India	Relevance of Dr. Babasaheb Amedkar. Mahatma Gandhi and pandit Neharus Ideology in present senario	National		Shri. Shivaji Arts, commerce college, Akola	2 days	29 <sup>th</sup> 30 Oct, 2012
3	Dr. K.V. Jawale	Medical Negligence and liability of Doctors under Consumer Protection Act, 1986 with specific Reference to decided Cases in India	Consumer protectionand welfare in GlobaL economy nectar-2012	National		Akola Law College Akola	One day	1 <sup>st</sup> Oct. 2012
4	Dr. K.V. Jawale	Human Rights of Unborn Child: National and International Perspectives		National		Dayananad Law College, Latur	2 days	

5	Dr. K.V. Jawale	Political Empowerment of Women under Indian Constitution: Challenges in 21 <sup>st</sup> Century						
2011-12								
1	Dr. V.S. Chowbe	Transactional Aspects of nano-Technological conceptions : Legal Strategy for Economic Enrichment”	Publish by Dept of Nanotechnology, Dr. Bamu, Aurangabad as “Souvenir” in the occasion of National workshop on Nanotechnology		NIL	UGC + Dr. BAMU University	Two Days Feb, 16-17, 2012	Pg. IT-10 NIPRpst-2012
2	Dr. K.V. Jawale	A Feminist Movement towards reproductive rights as Human Rights: International Perspectives,	Paper Published in Two Days UGC Sponsored State Level Seminar on Human Rights and Concept of The Indian Democracy in the Present Scenario on		ISBN: 978-81-922414-6-3	organized by Shri. Shivaji Law College, Parbhani.	on 18 <sup>th</sup> and 19 <sup>th</sup> Feb 2012	Pg. 72-75.
3	Dr. K.V. Jawale	Buddha's Philosophy and Social Justice: Relevance in Modern Era	Two Days UGC Sponsored National Conference on Buddhism the way Towards Perfect Humanity'		ISSN No. 13-978-81-921416-5-7	organized by Dhanwate National College Nagpur	on 28 <sup>th</sup> and 29 <sup>th</sup> September, 2011.	Pg. 50-54.
4	Dr. K.V. Jawale	Socio-Legal Philosophy of Ambedkar in context of prohibition and protection of caste discrimination under Indian Constitution	Two Days UGC Sponsored National Conference on Buddhism: Ambedkar issues and Interpretation		ISBN 978-81-921416-4-0	, organized by Dhanwate National College Nagpur		Pg.70-73.
5	Dr. K.V. Jawale	Political Empowerment of Women through reservation	UGC sponsored Two Day International Interdisciplin		ISBN 978-81-921414-4-0	organized by Ramkrushn a Mahavidyal	on 25 <sup>th</sup> 26 <sup>th</sup> Nov. 2011.	

		provisions under Indian Constitution Vo. 2, Pg.	ary Conference on Women Empowerment			aya Darapur, Tq. Daryapur Dist. Amravati		
6	Dr. K.V. Jawale	Role of Dr. Ambedkar on Women Empowerment.	UGC sponsored Two Day International Interdisciplinary Conference on relevance & impact of Ambedkar through in present age i		ISSN No. 0977-0298	organized by Takshasila Mahavidyal aya Amravati	on 27 <sup>th</sup> and 28 <sup>th</sup> August 2011.	Pg.60-64.
2010-11								
1	Dr. K.V. Jawale	Current Trends in Teaching Education through Information Technology	UGC sponsored International Conference on 'current trends in education, Physical Education and sports' (Souvenir)	International	ISSN No. 0977-0277	Shivaji Education College and Physical Education, Amravati	March 2011	
2	Dr. K.V. Jawale	Relationship between Buddhist Philosophy and Environmental Values	UGC sponsored Two Day International Conference on Interdisciplinary International Conference on 'Relevance of Buddhism in present era'	International	ISSN No. 0977-0278	organised by Buddhist study centre Ramkrushna Mahavidyal aya Darapur, Tq. Daryapur Dist. Amravati. (Souvenir)	March 2011	
3	Dr. K.V. Jawale	Live -in Relationship: Recent Development and Challenges in India	National Summit on 'Law and Legal Education NECTEAR' (Souvenir)	National Paper Presented and Published in Souvenir on			March 2011	
4	Dr. K.V. Jawale	Socio-Legal Philosophy of Ambedkar in context of prohibition and	'Buddhism: Ambedkar Issues and Interpretations'	Paper Published	ISBN-978-81-921416-4-0			

		protection of caste discrimination under Indian Constitution		March 2011				
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23. Details of patents and income generated

Nil

24. Areas of consultancy and income generated

Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

Nil

26. Faculty serving in

- National committees b) International committees c) Editorial Boards d) any other (please specify)

S. N.	Year	Name of the Faculty	National Committees/ International Committees/ Editorial Boards/ Any Other (specify)	Organization	Acted as Member / Chairman/ Secretary/ Others (specify)
1	2014-15	Dr. V. S. Chowbe	Advisory Board	Decision and Action research Journal	Member
		Dr. K.V. Jawale	Editorial Board	Online International Interdisciplinary Journal	Member
	2013-14	Dr. V. S. Chowbe	Advisory Board	Decision and Action research Journal	Member
		Dr. K.V. Jawale	Editorial Board	Online International Interdisciplinary Journal	Member
	2012-13	Dr. K.V. Jawale	Editorial Board	Online International Interdisciplinary Journal	Member



27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

- Faculties are motivated to attend Refresher/ Orientation/ Workshops/ Specialized Training Programmes/ Industrial Interaction to achieve excellence in teaching and research.

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects: Nil
- percentage of students doing projects in collaboration with other universities industry / institute: Nil

29. Awards / recognitions received at the national and international level by

- Faculty - Nil
- Doctoral / Post Doctoral Fellows - Nil
- Students - Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national international) with details of outstanding participants, if any.

S. N.	Name of the Conference/Seminar/Workshop	Status National/International	Name of Chairman/ Organizing Secretary/ Convenor	Funding Agency with Funds (if any)	Collaborators (if any)	Duration, Date and Venue
2012-13						
1	Cyber Crime Technology	Work shop	Dr. V.S. Chowbe	Police Department Amravati.	Police Department Amravati and Department of law	2 Days 29-01-2013 and 30-01-2013
2	Cyber awareness Programme	Work shop	Dr. V.S. Chowbe	NSS Department SGBAU, Amravati and Police Department	NSS Department SGBAU, Amravati and Police Department	2 Days 28-03-2013 and 29-03-2013
2010-11						
1	National Seminar Emerging issues on Legal Education & Research	National (Two days)	Dr. V.S. Chowbe	University		13-14 March 2010

31. Code of ethics for research followed by the departments

- Sincerity and transparency in research.

32. Student profile programme-wise:  
Details of students:

LL.M.

Year	Admitted to First Year of the Course			Pass Percentage of Students	
	Boys	Girls	Total	Boys	Girls
2014-15	20	18	38	--	--
2013-14	16	24	40	0	4.1
2012-13	10	16	26	10	25
2011-12	29	41	70	10.34	17.07
2010-11	29	20	49	10.34	15

P.G. Diploma in Human Rights

Year	Admitted to First Year of the Course			Pass Percentage of Students	
	Boys	Girls	Total	Boys	Girls
2014-15	6	6	12	--	--
2013-14	5	5	10	40	40
2012-13	0	11	11	0	0
2011-12	2	9	11	00	00
2010-11	7	5	12	28.57	00

33. Diversity of students

Name of the Programme	Year	Percentage of students from the same university	Percentage of students from other universities within the State	Percentage of students from Universities outside the State	Percentage of students from other countries
LL.M.	2014-15	92.11	7.89	00	00
	2013-14	90	10	00	00
	2012-13	88.46	11.54	00	00
	2011-12	98.59	1.41	00	00
	2010-11	89.80	10.20	00	00

Name of the Programme	Year	Percentage of students from the same university	Percentage of students from other universities within the State	Percentage of students from Universities outside the State	Percentage of students from other countries
P.G. Diploma in Human Rights	2014-15	91.67	8.33	00	00
	2013-14	90	10	00	00
	2012-13	100	00	00	00
	2011-12	100	00	00	00
	2010-11	100	00	00	00

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

▪ NET passed : 21          SET passed : 10          GATE : NIL

35. Student progression

Student Progression	Percentage against enrolled
UG to PG	Nil
PG to M. Phil.	Nil
PG to Ph.D.	10%
Ph.D.to Post Doctoral	Nil
Employed <ul style="list-style-type: none"> <li>▪ Campus Selection</li> <li>▪ Other than campus recruitment</li> </ul>	20%
Entrepreneurs	70% (Advocates)

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	One (Dr. V.S. Chowbe – Professor))
from other universities within the State	One (Dr. K.V. Jawale – Assistant Professor)
from universities from other States from	----
universities outside the country	-----

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

- One (Dr. K.V. Jawale has been awarded Ph.D. on July 2011)

38. Present details of departmental infrastructural facilities with regard to :  
(Please specify numbers)

- a. Library: Despite the University has centralised library, the department also has its own library comprising around 400 books plus 350 projects and 400 dissertations. The department has also material on legal issues which is helpful for students. The thesis received by the Department for evaluation are also useful resources at Department for students desirous to opt Doctorate degree for future education.
- b. Apart from it the Department also have rich E-library (Digital Library) with around 600 Acts, 250 Law Commission Reports, Constituent Assembly Debate, E-books, Articles, AIR journal, teaching materials, PPT., and other academic resources.
- c. Internet facilities for staff and students: Internet facilities for staff and students are available; separate computer lab in which 09 computers with Internet facilities are available. The Department has Computer Laboratory.
- d. Total number of class rooms: 03 Classroom and 01 Seminar Hall. Plus one computer lab.
- e. Class rooms with ICT facility: For ICT facility 02 Multi Media Projectors are available in the Department. And 10 computers
- f. Students' laboratories : NA
- g. Research laboratories: NA

39. List of doctoral, post-doctoral students and Research Associates :  
a) from the host institution/university

S. N.	Name	Doctoral/post-doctoral / Research Associate	Duration of Fellowship
1.	Mr. Umesh Aswar	Submitted Ph.D. Thesis on Refugee's Rights (Tibetan)	Ph.D.
2	Mr. Amol Chavan	Submitted Ph.D. Thesis on Medical Negligence	---do---
3	Ms. Dipali Jawale	Submitted Ph.D. Thesis on Public Interest Lawyering	----do---
4	Mr. Amitesh Kumar	Pursuing Ph.D. on Conviction rate in Maharashtra	---do---
5	Ms. Bhavana Mahale	Pursuing Ph.D. on Commercial Surrogacy laws	-----do----
6	Ms. Pushpa Ganediwala	Pursuing Ph.D. on Feminine Jurisprudence	----do---
7	Ms. Priya Mohod	Pursuing Ph.D. on Law Relating to women	----do---
8	Mr. Ranjan Dube	Pursuing Ph.D. on Rights of LGBT group	-----do-----

- b) from other institutions/universities

Nil

40. Number of post graduate students getting financial assistance from the university.

Nil

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

NA

42. Does the department obtain feedback from : Yes

- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
- Department has proforma for the same. There are other way, such as Suggestion Box, Exam Result, and best student award during gathering.
- Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Department has proforma for the same.
- Alumni and employers on the programmes offered and how does the department utilize the feedback? Department has proforma for the same. In addition, the Allumini are in touch with the department whose services are utilised for placement, contacts,

43. List the distinguished alumni of the department with their designation and address

S. N	Name of Alumni	Position Held	Description
1.	Ms. Pushpa Ganediwala	Director, Maharashtra Judicial Academic	Training School for High Court & other judges
2	Mr. Amitesh Kumar	IG, Aurangabad Range	

3.	Dr. P.R. Malviya	Principal, Dr. PDCL Amravati	
4	Dr. R.B. Deshmukh	Principal, S.S. Law College, Parbhani	
5	Dr. Chauhate	Principal, Law College Kolhapur	
6	Dr. Anshumalika Srivasata	Principal, Vidhi vinayak Law College, Amravati	
7	Dr. Jyoti Deshmukh	Principal, Vivekanand Law College, Chembur Mumbai	
8	Mr. Sagar Bhongade	Dy Secretary, MPSC Mumbai	
9	Mr. Maxmikant Padhen	Judicial Magistrate	
10	Dr. Paramanand Bhudhwani	Law Officer, Govt of Maharashtra	

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

S. N.	Name of experts	Date	Special Lecture	Year
1	Dr. Vaibhav GoelMirut	29-01. 2011	Special Lecture	2010-2011
2	Dr. Ajaykumar Patna	02-02-2011	Special Lecture	2010-2011
3	Dr. V. N. Ghormade	11,12-03-2011	Special Lecture	2010-2011
4	Dr. V. N. Deshmukh	15-03-2011	Special Lecture	2010-2011
5	Dr. Khnadaswami, Auranbad	16-03-2011	Special Lecture	2010-2011
6	Dr. Ps. Khadse	16-03-2011	Special Lecture	2010-2011
7	Dr. G. L. Gulhane	17-03-2011	Special Lecture	2010-2011
8	Amol D. Chavan, Khamgaon	19-03-2011	Special Lecture	2010-2011
9	Umesh S. Aswar, Nasik	19-03-2011	Special Lecture	2010-2011
10	Dr. V.K. DixitNational Law School Bhopal	21-03-2011	Special Lecture	2010-2011
11	Dr. S. Shantakumar, Raipur	22-03-2011	Special Lecture	2010-2011
12	Dr. Amendrakumar, Raipur	22-03-2011	Special Lecture	2010-2011
13	Dr. Sillaram Sundar	26-03-2011	Special Lecture	2010-2011
14	Ms. Y.K. Raur, JMFC	17-09-2011	Special Lecture	2010-2011
15	Ms. Y.K. Raur, JMFC	28-09-2011	Special Lecture	2011-2012
16	Dr. V. N. Deshmukh	14-02-2012	Special Lecture	2011-2012
17	Ms. Pradnya Savarkar, Nasik	17-02-2012	Special Lecture	2011-2012
18	Ms. Priya Dhanokar, Amravati	17-02-2012	Special Lecture	2011-2012
19	Mr. Mahesh Halde	17-02-2012	Special Lecture	2011-2012
20	Mr. Pankaj Umbarkar, Raipur	17-02-2012	Special Lecture	2011-2012
21	Dr. H.L. Hasekar, Nanded	25-02-2012	Special Lecture	2011-2012
22	Shri. H.R. Jadhav, S. P.Cental Jail Amravati	28-02-2012	Special Lecture	2011-2012
23	Dr. V.M. More	03-03-2012	Special Lecture	2011-2012
24	Dr. R. B. Deshmukh, Parbhani	09-03-2012	Special Lecture	2011-2012
25	Dr. Anjali Hastak, Chandrapur	10-03-2012	Special Lecture	2011-2012
26	Dr. S.R. Rao, Chandrapur	13-03-2012	Special Lecture	2011-2012
27	Mr. A.D. Chavan, Aurangabad	15-03-2012	Special Lecture	2011-2012
28	Dr. P.S. Deshmukh	17-03-2012	Special Lecture	2011-2012
29	Dr. Suryaprakh , Bhopal	24-03-2012	Special Lecture	2011-2012
30	Dr. B.V. Choudhari, Usmanabad	24-03-2012	Special Lecture	2011-2012
31	Dr. G.P. Tripathi, Raipur	28-03-2012	Special Lecture	2011-2012
32	Priyanka R. Mohod	22-08-2012	Special Lecture	2012-2013
33	Me. Amol D. Chavan	06-01-2013	Special Lecture	2012-2013
34	Pankaj Umbarkar, Raipur	25-02-2013	Special Lecture	2012-2013
35	Dr. M.I. Baig, Aurangabad	27-01-2013	Special Lecture	2012-2013
36	Umesh Aswar, Mumbai	10-02-2013	Special Lecture	2012-2013

37	Dr. R.P. Panda, Nandurbar	19-02-2013	Special Lecture	2012-2013
38	Dr. R.B. Deshmukh, Parbahni	24-02-2013	Special Lecture	2012-2013
39	Dr. P.S. Deshmukh, Aurangabad	17-03-2013	Special Lecture	2012-2013
40	Dr. V.M. Ghormade	25-03-2013	Special Lecture	2012-2013

45. List the teaching methods adopted by the faculty for different programmes.
- Chalk and talk method besides the Power point presentations,
  - Case studies
  - Group discussions,
  - Brainstorming sessions.
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?  
The department ensures that the academic calendar is followed and ensures that the syllabi are completed on time.
47. Highlight the participation of students and faculty in extension activities.
- Department used to organised TRDEA, Legal Aid camps, Lectures, Mob Trials
48. Give details of “beyond syllabus scholarly activities” of the department.
- . Department has “Free Legal Aid Centre for Woman” and poor.
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.
- Nil
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- Department is offering the three specializations namely, Commercial law, Constitutional Law and Criminal Law.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.
- **Strengths** : Qualified faculty and potential students group
  - **Weaknesses** : Students Teacher Ratio, Students from Vernacular region
  - **Challenges** : To make curriculum industrial friendly, social orientation and within the capability of students.
  - **Opportunities** : Recent time due to govt policies, the industries are booming in the region, the department may utilised this opportunity. Again the growing concern for transactional lawyering may give another boost to the students.
52. **Future plans** of the department.
- Department is focusing on entering into MoU with other university departments and National Law Schools. Apart from it, the Department is planning to bring the Law Teaching from Maharashtra on one platform for sharing thoughts, material, new themes, and for bringing the uniformity in Law curriculum, incorporating more competitive skills and planning for pedagogies. Department also has within its focus point to make higher education, research in law socially compatible, economically viable.

## Evaluative Report of the Department

1. Name of the Department : **English**
2. Year of establishment : 2009
3. Is the Department part of a School/Faculty of the university?  
NA
4. Names of programmes offered :

Level of the Programme	Name of the Programme	Duration	Intake capacity	Faculty
PG	M.A. English Literature	2 years	40	Arts
Doctoral	Ph.D	--	--	Arts

5. Interdisciplinary programmes and departments involved  
Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc.  
Nil
7. Details of programmes discontinued, if any, with reasons  
Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System  
Annual
9. Participation of the department in the courses offered by other departments  
No
10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	01	Nil	Nil
Associate Professor	01	Nil	Nil
Assistant Professor	01	01	01
Other (Specify)			

11. **Faculty profile** with name, qualification, designation, area of specialization, experience and research under guidance

S. N.	Name	Qualification	Designation	Gender (M/F)	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 years
1	Dr. S. P. Joshi	M.A., M. Phil, PhD, SET	Assistant Professor & Head	Male	Indian Writing in English	14 yrs	02

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors  
Nil

13. Percentage of classes taken by temporary faculty – programme-wise information

S. N.	Year	No. of CHB	Percentage of classes taken by temporary faculty
1	2014-15	07	68.18
2	2013-14	07	68.18
3	2012-13	07	68.18

14. Programme-wise Student Teacher Ratio

S. N.	Year	Student Teacher Ratio
1	2014-15	20:1
2	2013-14	15:1
3	2012-13	21P:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Nil

16. Research thrust areas as recognized by major funding agencies

Nil

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Nil

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration

b) International collaboration :

Nil



19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Nil

20. Research facility / centre with

Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies

Nil

22. Publications:

**22.1 Research Articles/Publication:**

S. N.	Name of Authors	Title of Paper	Name of the Journal and Vol. No., Year, Page No.	Status National/ International	ISSN/ ISBN No of Journal	Impact Factor( if any)	h-Index (if any)	Citation Index (if any)	Listed in International Database (if any)
2014- 2015									
1	Dr. S. P. Joshi	KulbhushanKushal's Poetry: An Assessment	New Literary Horizons Vol 3 No. 1 June 2014 P. No1-13	International	ISSN 2278-8255	Nil	Nil		
2013-14									
1	Dr. S. P. Joshi	M. A. Nare's Poetic Corpus- An Assessment	New Literary Horizons Vol 2 No. 1 June 2013 P. No 1-10	International	ISSN 2278-8255	Nil	Nil	Nil	Nil
2	Dr S. P. Joshi	SujataParashar's "In Pursuit of Infidelity" Coenaesthetic Considerations: A Critique	New Literary Horizons Vol 2 No. 2 Dec 2013	International	ISSN 2278-8255	Nil	Nil	Nil	Nil
3	Dr. S. P. Joshi	Anita Desai's Cry, The Peacock: An Ecocritical Reading	Literary Voices Ecocriticism in Literature in English Vol 3	National	ISBN 2227-9949	Nil	Nil	Nil	Nil
2012-13									

1	Dr. S. P. Joshi	Anguish and Guilt Consciousness as revealed in Prakash Joshi's Whispers	New Literary Horizons Vol 1 No. 2 Dec. 2012 P. No34-44	International	ISSN 2278-8255	Nil	Nil	Nil	Nil
2		Reflection of Social Vision : A Study of Mulk Raj Anand's 'Untouchable'	Rock Pebbles Vol XVII No 1 Jan- Mar 2013 P.57-62	International	ISSN 0975-0509	Nil	Nil	Nil	Nil
3		Anita Desai as a novelist: A Critical Appraisal	New Literary Horizons Vol 1 No. 1 June 2012 P. No 1-4	International	ISSN 2278-8255	Nil	Nil	Nil	Nil
4		Symbolism in Nissim Ezekiel's 'Night of the Scorpion'	SrujanPrabhat Vol II No II June 2012 P.125-128	National	ISSN 2249-1171	Nil	Nil	Nil	Nil
5		You are your Own Refuge: A Study of ShashiDeshpande's , ' The Dark Holds No Terrors'	VIBGYOR Vol 1 No 2 Sept 2012 P. 16-19	National	ISSN 2271-4491	Nil	Nil	Nil	Nil
2011-12									
1	Dr. S. P. Joshi	Dark Forces and Moral Degradation in Jjoseph Conrad's 'Heart of darkness'	DARJ Vol 3 No 1 Jan-June 2011 P. 5-11	National	ISSN 0975-590X	Nil	Nil	Nil	Nil
2		Problems and Predicament of Woman as Reflected in ShashiDeshpande's 'Moving On'	The Literary Musings Vol 2 No. 3 July 2011	National	ISSN 0976-4976	Nil	Nil	Nil	Nil
3		Image of India as Reflected in AravindAdiga's 'The White Tiger'	International Journal of Research Vol 1 No 2 Jan-June 2012 P.87-89	International	ISSN 2231-6124	Nil	Nil	Nil	Nil
4		Style and narrative Technique in Anita Desai's 'Cry the Peacock'	Thematics Journal of Indian Literature Vol 2 No 1 Mar 2012 P. 37-40	National	ISSN 2231-4865	Nil	Nil	Nil	Nil

5		Portrayal of Women in the Poetry of JayantMahapatra with Special Reference to 'A Rain of Rites' And 'Temple'	Rock Pebbles Vol XV No 1 Jan-Jun 2011	International	ISSN 0975-0509	Nil	Nil	Nil	Nil
2010-11									
1		Contemporary Indian Poetry in English : Experiences and Explorations	SrujanPrabhat Vol 1 No 1 Jan 2011 P. 35-42	National	ISSN 2249-1171	Nil	Nil	Nil	Nil
2	Dr. S. P. Joshi	'Indian Writing in English Since Independence A Critical Review	Research Bulletin An International Quarterly Journal Vol 7 Apr-2011	National	ISSN 2231-1025	Nil			

## 22.2 Books Written/ Edited:

Nil

## 22.3 Monographs/ Chapters in Book/s Written/Edited:

S. N.	Name of Authors	Title of Book	Title of Chapter	Name of Publisher	ISSN/IS BN No.	Page No.	Contributed As (Editor/Aut hor)
2013-14							
1	Dr. S. P. Joshi	Partition: The Trauma of Partitioned Lives... in Films and Fiction	The Scourge of Riots and Communal Disharmony as Depicted in Khushwant Singh's 'Train to Pakistan'	Dattsons	978-81-7192-094-5	99-105	Contributor
2012-13							
1	Dr. S. P. Joshi	Glimpses of Partition in South Asian Fiction	The Impact of Partition as Delineated in Salman Rushdie's 'Midnight's Children'	Dattsons	978-81-7192-091-4	150-158	Contributor
2011-12							
1	Dr. S. P. Joshi	Opinions and Critiques on World Renowned Literature	V. S. Naipaul: The Artist and the Novelist	Vital Pub.	978-93-80274-12-6	67-73	Contributor
2	Dr. S. P. Joshi	Swami Vivekanand Applicabiiti of his Philosophy and Thoughts in Present	Swami Vivekananda: On Social Reform, Woman Emancipation and Empowerment	Shivneri Pub	81-89002-09-0	91-95	Contributor

		Context					
3		Human Rights: Concepts and Issues	Women Empowerment and Their Human Rights	Shivneri Pub	81-89002-08-2	113-116	Contributor
2010-11							
1	Dr S. P. Joshi & Dr. P. P. Joshi	Holistic Perspectives in Higher Education	VIII IX X XI	Aashish Publishing House	Nil	140-210	Editor and Contributor

## 22.4 Publications in Conference/Seminar Proceedings:

S. N.	Name of Authors	Title of Paper	Name of the Conference/ Seminar/ Workshop	Status National/ International	ISSN/ ISBN No (if any)	Name of Organizing Agency	Duration and Date	Volume and Page No. of Proceedings
2014-15								
1	Dr. S. P. Joshi	Recent Trends in Post Independence Indian Drama	Post Independence Indian English Drama: Innovations and Explorations	National		J. H. Govt. P. G. College, Betul	27-28 <sup>th</sup> Feb, 2015	
2013-14								
1	Dr. S. P. Joshi	Effective Language Teaching through ICT	Honing Language Skills in the Era of Globalisation	National	978-93-82588-27-6	LRT College Akola	28 <sup>th</sup> Jan 2014	P. 40-43
2012-13								
1	Dr. S. P. Joshi	Developing Communication Skill in English Language in Rural Areas	Techniques of Teaching-Learning Processes in English language in Rural Areas	National	ISBN 978-81-909640-4-5	L.M.M. Arts, Comm, & Ashok Sc. College, Chandur Rly,	17 <sup>th</sup> Sept. 2012	23-25
2		Effective Language Teaching. ( through Literature / I.C.T.)	English Language and Literature Today	National	ISBN 978-81-923393-5-1	Ambedkar College, Amravati	21 <sup>st</sup> Jan 2013	91-93
3		Innovative Techniques of English Language Teaching for Enhancing Learner Ability	Teaching English Languages: Modern Approaches	National	ISBN 973-81-924384-7-4	Bar. Sheshrao College of Arts & Commerce, Khaparkheda,	28th Jan, 2013	136-138

						Nagpur		
4		Treatment of Socialism in Arundhati Roy's The God of Small Things	The Booker World: A Close Peep into the Shortlisted Novels of Booker Prize	National	ISBN 13-978-81-923377-2-2	Seth Narsingdas Mor Arts & Commerce College, Tumsar	29 <sup>th</sup> Jan, 2013	26-30
5		From Margin to the Centre: A Study of Feministic Consciousness in Shashi Deshpande		National	ISBN 978-81-924656-1-5	Dr. Ambedkar College, Nagpur		
6		The Relevance of Traditional Indian Values in Contemporary Indian Society	The Emerging Value System in the Context of Indian Society	National	ISBN 978-81-924384-7-4	Shri Binzani City College, Nagpur	2 <sup>nd</sup> Feb, 2013	
7		Developing Effective Communication Skills for personality Development	Effective Teaching of Communicative Skill-Problems & Remedies	State	978-81-924894-5-4	New Arts, Science, Commerce College, Wardha	7 <sup>th</sup> Feb, 2013	20-23
8		Intercultural Communication : Challenges and Strategies	Professional Communication and Personality Development	National	ISBN 978-93-80986-93-5	Arts and Science College, Pulgaon	22 <sup>nd</sup> Feb, 2013	149-153
2011-12								
1	Dr. S. P. Joshi	Female Voices in Post-colonial Indian Writings in English	Post-Colonial Literature: Development & Assimilation	National	ISBN-978-81-89839-50-0	Dr. Babasaheb Ambedkar College Amravati	27 Feb 2012	54-56
2		New Methodology in Teaching English: The Communicative Language Teaching Approach	Developing Communicative Competence in English in Rural Areas	National	--	S.K.P. College, Kamptee	3 <sup>rd</sup> Jan, 2012	32-34

## 23. Details of patents and income generated

Nil

24. Areas of consultancy and income generated  
Nil
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad  
Nil
26. Faculty serving in  
a) National committees b) International committees c) Editorial Boards d) any other (please specify)  
Nil
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).  
➤ Faculties are motivated to attend Refresher/ Orientation/ Workshops/ Specialized Training Programmes/ Industrial Interaction to achieve excellence in teaching and research.
28. Student projects
- percentage of students who have done in-house projects including inter-departmental projects: Nil
  - percentage of students doing projects in collaboration with other universities industry / institute: Nil
29. Awards / recognitions received at the national and international level by
- Faculty : Nil
  - Doctoral / Post Doctoral Fellows: Nil
  - Students : Nil
30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.  
Nil
31. Code of ethics for research followed by the departments  
➤ Sincere efforts are taken for carrying out research activities.
32. Student profile programme-wise:

Year	Admitted to First Year of the Course			Pass Percentage of Students	
	Boys	Girls	Total	Boys	Girls
2014-15	5	19	24	--	--
2013-14	4	11	11	00	72.72
2012-13	8	15	23	44.44	55.56
2011-12	8	8	16	12.5	12.5

## 33. Diversity of students

Name of the Programme	Year	Percentage of students from the same university	Percentage of students from other universities within the State	Percentage of students from Universities outside the State	Percentage of students from other countries
M.A. (English)	2014-15	83.33	12.50	4.17	00
	2013-14	86.67	13.33	00	00
	2012-13	91.30	4.35	4.35	00
	2011-12	87.50	12.50	00	00

## 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Nil

## 35. Student progression

Student Progression	Percentage against enrolled
UG to PG	Nil
PG to M. Phil.	Nil
PG to Ph.D.	Nil
Ph.D.to Post Doctoral	Nil
Employed	
▪ Campus Selection	
▪ Other than campus recruitment	01
Entrepreneurs	Nil

## 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	One
from other universities within the State	Nil
from universities from other States from	Nil
universities outside the country	Nil

## 37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

## 38. Present details of departmental infrastructural facilities with regard to :

a. Library	:	Nil
b. Internet facilities for staff and students	:	02
c. Total number of class rooms	:	02
d. Class rooms with ICT facility	:	02
e. Students' laboratories	:	01
f. Research laboratories	:	Nil

39. List of doctoral, post-doctoral students and Research Associates :
- a) from the host institution/university : Nil
- b) from other institutions/universities: Nil
40. Number of post graduate students getting financial assistance from the university.  
Nil
41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. Nil
42. Does the department obtain feedback from
- ii. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes.
- Suggestions offered by the faculty are communicated to the Board of Studies which duly considers such suggestion at the time of framing syllabus.
- iii. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes.
- Inputs/Suggestions obtained from the students are discussed in the departmental meeting and necessary strategies are framed for procuring better results.
- iv. Alumni and employers on the programmes offered and how does the department utilize the feedback? Yes.
- Inputs/Suggestions obtained from the students are discussed in the departmental meeting and necessary strategies are framed for procuring better results.
43. List the distinguished alumni of the department with their designation and address (maximum 10) : Nil
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Year	Programme	Experts	Date
2014-15	Career Opportunities from English Efficiency	Prof. Farooquallah	1/1/2015
2013-14	Self Confidence: A Key to Success To Life	Prof. Sneha Joshi	21/10/2013
2012-13	Interaction with NET/SET Qualified Candidates	Miss.M.More	5/9/2012

45. List the teaching methods adopted by the faculty for different programmes.
- Lecture & PPT



46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?  
➤ Through continuous feedback & evaluation
47. Highlight the participation of students and faculty in extension activities.  
Nil
48. Give details of “beyond syllabus scholarly activities” of the department.
- Research news Display
  - Group Discussions
  - Seminars
  - NET Coaching Class
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.  
No
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- The department encourages writing research articles and creative writing in the International peer-reviewed journal “The New Literary Horizons” which is edited by the Head of the Department, Dr.S.P. Joshi
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

S. N.	Strengths	Weaknesses	Opportunities	Challenges
1.	Emphasis on language learning & acquisition of critical thinking & creative writing skills	Students with average efficiency & understanding of English language	Great scope for Careerpotential&enhancement of Job oriented skills	First Honing basic language skills and subsequently encouraging critical & creative thinking & writing
2.	Easy access to Internet	Language laboratory	Great scope in industry	Students need to be trained in advanced Internet Access & use
3.	Continuous testing & Evaluation	Slow improvement	Personality Development & Self- confidence	Motivating Students through

				personal interaction
4.	Access to rich source of rare and standard books in the Centralized library	No facility for Departmental Library	Developing oratorical & argumentative skills	Inculcating the importance and value of reading good books
5	Research-oriented guidance & teaching	ICT equipped classrooms	Scope for rich & fruitful research	Motivation & presentation done through traditional methods

52. **Future plans** of the department.

- To upgrade teaching& research standards by the extensive use of ICT

**Dr. MOHAN KHEDKAR**

M.Tech., Ph.D.  
VICE-CHANCELLOR



**SANT GADGE BABA  
AMRAVATI UNIVERSITY  
AMRAVATI - 444 602  
MAHARASHTRA (INDIA)**

Date : \_\_\_\_\_

**Declaration by the Head of the Institution**

I certify that the data included in this Self-Study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.

Place: Amravati

Date: 23/03/2015

**(Dr. M.K. Khedkar)**

Vice Chancellor



**Dr. MOHAN KHEDKAR**

M.Tech., Ph.D.  
VICE-CHANCELLOR



**SANT GADGE BABA  
AMRAVATI UNIVERSITY  
AMRAVATI - 444 602  
MAHARASHTRA (INDIA)**

Date : \_\_\_\_\_

**STATEMENT OF COMPLIANCE  
(Central and State Universities)**

This is to certify that Sant Gadge Baba Amravati University, Amravati has complied with all the provisions of the following Regulations governing it:

- \* UGC Regulations on Minimum Qualifications for Appointment of Teachers and other Academic Staff in Universities and Colleges and Measures for the Maintenance of Standards in Higher Education 2010 and further amendments, if any, notified by the UGC.
- \* UGC Regulation on Minimum Standards and Procedure for the Award of M.Phil./Ph.D. Degree, Regulations 2009 and further amendments, if any, notified by the UGC.
- \* UGC (Affiliation of Colleges by Universities) Regulations, 2012 and further amendments, if any, notified by the UGC.

Any false or misleading information provided by the institution, will be viewed seriously by NAAC and the accreditation given is liable to be withdrawn.

Date: 23/03/2015



  
**(Dr. M.K. Khedkar)**  
Vice Chancellor



Food **for the** Hungry

Water **for the** Thirsty

Clothes **for the** Naked

Education **for the** Poor

Shelter **for the** Homeless

Medicines treatment **for the** Sick,

Employment **for the** Jobless

Protection **for the** Animals

Marriage Opportunity **for the** Poor  
Girls and Boys

Courage **for the** Unhappy & Frustrated



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website : [www.sgbau.ac.in](http://www.sgbau.ac.in), E-mail : [vc@sgbau.ac.in](mailto:vc@sgbau.ac.in), [reg@sgbau.ac.in](mailto:reg@sgbau.ac.in)