

चान्सलर इव्हेंट्स सोव्हिनिअर
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Sant Gadge Baba Amravati University, Amravati
Report

13th Maharashtra State Research Convention
"Avishkar 2018"

Held at Gondwana University, Gadchiroli during 15-18 January 2019)

The genesis of 'Avishkar-A Research Convention' is the success of Sports meet "Ashwmedh" and Inter-University Cultural Festival "Indradhanushya" which provide opportunity for all round development of personality of students. His Excellency Dr. S. M. Krishna, the then Chancellor mooted the concept of providing a platform for youth from the various Universities and extending the helping hands to understand the research attitude and acquiring the scientific knowledge, thus transforming for the cause of development. This will also educate youth and teachers to understand their responsibility towards societal development. Such type of activity is essential in the era of intellectual property rights with the implementation of WTO-GATS and patenting of research. To make the country competent and competitive, promoting research activities at the right age is the only solution. Avishkar designed with the intention to develop research culture and scientific temper amongst the students from UG to research level in the state of Maharashtra. The activity will also help to develop skill to review new dimensions of explored areas of knowledge as well as the unexplored areas of enquiry.

Since the philosophy of "Avishkar" is to encourage the original research and develop innovative minds inculcating research culture, there is total flexibility of participation without any restriction on cross faculty participation. Apart from the students of traditional universities the students of Agricultural, Animal/Fishery Sciences, Medical, Engineering, Sanskrit and Open Universities can also participate in all the six disciplines and all the four levels. The frontiers of education are changing every day. We are moving from the knowledge based society to a society of innovation and thus research becomes one of the most important components of higher education. Today, one of the indicators for the measurement of the potential of any educational institution is its research activity. The students and teachers should be enthused to take up research at various levels.

The 13th Maharashtra State Research Convention "Avishkar 2018" was organized by Gondwana University, Gadchiroli during 15-18 January 2019. The convention provided platform for the student researchers to present their innovations in six categories namely "Humanities, Languages, Fine Arts", "Commerce, Management, Law", "Pure Sciences", "Agriculture and Animal Husbandry", "Engineering and Technology" and "Medicine and Pharmacy" at four levels: Undergraduate, Postgraduate, Post-PG and Teachers.

Contingents from around 20 Universities with more than 650 members participated in the event. The contingent of Sant Gadge Baba Amravati University comprising of 35 participants along with three team Managers ; Dr. P. B. Shingwekar, Dr. Anuradha Deshmukh (Lady Manager) and Mr. Suhas Pachpande and Dr. J.S.Wadtkar, Technical expert participated in the event from Sant Gadge Baba Amravati University.

The convention was scheduled for four days covering various activities including

Registration, Inauguration, Poster presentations & their evaluation by eminent judges/experts, Oral/Podium presentation & assessment by judges/experts and Valedictory function along with prize distribution ceremony. Inauguration Ceremony was held on 15th January 2019 at 3 pm and program was chaired by Dr. N. V. Kalyankar, Hon'ble Vice-Chancellor of Gondwana University, Gadchiroli. Dr. K. N. Vyas, Chairman, Atomic Energy Commission and Secretary, Department of Atomic Energy, Government of India was the chief guest for the inaugural function. Dr. P. R. Patil, Associate Director, Bhabha Atomic Research Centre, Mumbai; Dr. C. V. Bhusari, Pro-Vice Chancellor, Gondwana University, Dr. Ishwar Mohurle, Registrar, Gondwana University and Dr. Priya Gedam, Co-ordinator Avishkar 2018 and Director, Students Welfare, Gondwana University were among the other dignitaries present on the occasion.

The Poster Presentation Round-I was conducted on 16th January 2018 from 11 am onwards. The eminent judges/experts from different places were evaluated the poster/models by interacting with participants. Despite allocation of the whole day for poster/model session, the evaluation was continued till late night and the results of elimination round (Day one) were declared in early morning 17th January 2019. Out of 35 total **06 students** from the our University contingent were short listed for the next stage of presentations (Round-II). The oral presentation was held on 17th January 2019 from 9 am onwards at different halls for each of the category and levels of the competition. Adhering to the rules of the convention, only the participants were allowed to be present in the presentation halls during assessment of poster and oral presentation. Out of six shortlisted participants Mr.V.P.Nagalkar won the first prize from post PG level in the category of Medicine & Pharmacy.

During the convention popular lectures by person of eminence were also organized for the motivation of participants and they have been highly appreciated by all young and senior participants. The Avishkar-2018 held Gadchiroli had an overwhelming success due to a number of important persons in and outside the Campus. The arrangement made by host University was excellent.

The Valedictory function was held on 18th January 2019 from 11 am onwards wherein the results were declared and the winners were felicitated with trophies and certificates. The function was presided over by Dr. N. V. Kalyankar, Hon'ble Vice-Chancellor, Gondwana University, Gadchiroli. Dr. Vilas Bhale, Vice-Chancellor, Panjabrao Deshmukh Krishi Vidyapeeth, Akola was the Chief Guest for the inaugural function. Dr. Ishwar Mohurle, Registrar, Gondwana University and Dr. Priya Gedam, Co-ordinator Avishkar 2018 and Director, Students Welfare, Gondwana University were among the other dignitaries present on the occasion. University of Mumbai was the winner team and Savitribai Phule Pune University was the runner-up team for the 13th Maharashtra State Research Convention "Avishkar 2018". This year our University won only one prize as given below :

SN	Name of participant	Category	Level	Prize / Rank
1	Vinay P. Nagalkar	Medicine & Pharmacy	Post-PG	First

SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI

List of participants for Interuniversity Research Convention AVISHKAR2018 held at Gondwana University, Gadchiroli during January-15 17, 2019

Sr. no.	Name & Institution	Level	Title of Project
Agriculture and Animal Husbandry			
01	Mr. Atharv G Umak Prof. Ram Meghe Institute Of Technology & Research Badnera	UG	Multi Nozzle Agro Sprayer
02	Miss. Shivani Gopal Waster Phulsing Naik MV, Pusad Dist. Yavatmal	UG	Pearl Culture
03	Mr. Pratik Kishor Deshmukh Dept. of Geology, SGB Amravati University Amravati	PG	Novel method against common pests in Indian Agriculture
04	Miss. Urvashi Shankarlal Joshi Shri. Shivaji Science College Amravati	PG	Innovative Approach To Reduce Mortality Of Broilers Due To Cardio Vascular Disease
05	Mr. Amrut G. Gaddamwar DES COET, Dhamangaon Rly. Dist. Amravati	TH	Development of organic multiple crop system in peasean pea
Commerce, Management, Law			
06	Mr. Saurabh A. Rajankar DES COET, Dhamangoan Rly. Dist. Amravati	UG	Management of waste water for the global water cressis
07	MustakimHasanMakwani M.S.P.Arts and Sciand K.P.TCommMv. Manora	UG	Block chain Technology Current need of Indian Banking sector
08	Mr.Shubham W. Ujawane GVISH, Amravati	PG	Transforming roadmap for economic surge in MSRTC
09	Miss. Kanchan N. Mangtani R.L.T. College of Science, Akola	PG	A Study of Waste Management for Swatchh Bharat
10	Mr. Anand R. Yadav Dept. of Biotechnology SGB Amravati University, Amravati	PPG	"CRO" A bridge for Academics & Industry- A Business Model
11	Mr. Sagar R. Shah P.R. Pote (Patil) College of Engg. &Mangement, Amravati	TH	An Impact study role of NBFC new path of development MSME business in India

Engineering and Technology

12	Mr. Ashish Lodh P.R. Pote College of Engg. &Mangaement, Amravati	UG	Remote Monitoring of Sensor Data from Machine
13	Mr. Sarang R. Vaidya Govt. College of Engg., Amravati	UG	Ethical Crop Protection Using Ōpto onic Deterrence
14	Miss. Akanksha S. Rithe Brijlal Biyani Science College, Amravati	PG	Project 100n
15	Mr. Amol V. Zade Dept. of Compute Science SGB Amravati University, Amravati	PPG	An AHBeep Swarm Intelligence optimization approach for routing in MANET
16	Mr. Swapnil K. Shelke Brijlal Biyani Science College, Amravati	PPG	Non-Invasive Embedded system for measurement of blood parameters
17	Mr. S.V. Khond HVPM, COE& T Amravati	TH	Automatic Fault detection system in electrical distribution system

Humanities, Languages, Fine Arts

18	Mr. Abhinandan S. Kolhe Prof. Ram Meghe Institute of Tech. & Management, Badnera	UG	Automatic Gas Leakage Regulator
19	Ms. Kasturi D. Dharashivkar Sita Bai Arts College, Akola	UG	Sea India a Revolutionary Concept for Progress
20	Miss. Mayuri D. Dhonde Arts Commerce And Science College, Amravati	PG	Easy Water Filter For Forest (Guard) Workers
21	Mr. Mukund Fiske Shri Shivaji Science College Amravati	PG	Ganoderma Is Boon For Tribal

Medicine and Pharmacy

22	Mr. Prathmesh Nikam Vidyabharti Mahavidyalaya Amravati	UG	Spectabone
23	Ms Jamila A.K. Railwaywala, Meherbanu College of Science and Commerce, Akola	UG	Magic of Three Herbs Chemicals and Technology
24	Mr. Yogesh B. Bele Dept. of Microbiology SGB Amravati University, Amravati	PG	Control of Nosocomial Infections Caused by Medical Devices (urinary catheter)
25	Mr. Suraj Krishna Yadav Vidyabharati College of Pharmacy, Amravati	PG	Development and Evolution of Medicated Chewing Gum
26	Mr. Vinay J. Nagalkar Babasaheb Naik College of Engineering, Pusad	PPG	Quantification & Identification of brain diseases using D P I
27	Miss. Rupal Wagh PGTD Home Science SGB Amravati University, Amravati	PPG	Wild Vegetables for Nutrition & health
28	Prof. Shailesh G. Jawarkar Vidyabharati College Of Pharmacy, Amravati	TH	Formulation And Evaluation Of Deodorant Sticks

PURE SCIENCE

29	Miss. Vasundara N. Dutonde R.L.T, College of Science, Akola.	UG	Relative Study of Biodiesel Preparation from Virgin and Waste Vegetable Oils
30	Mr. Gautam S. Patil Y.C.Arts and Science Mv.Mangrulpir, Dist. Washim	UG	Use of Natural Pesticide
31	Miss. Nikita S. Pete Dept. of Biotechnology SGB Amravati University, Amravati	PG	Production of Biofuel from unexplored sources of starch

32	Miss. Radhika A. Lokhande Dept. of Microbiology, SGB Amravati University, Amravati	PG	Novel Strategy for Early Detection of Superbug
33	Miss. Anuja R. Sadawarte Dept. of Chemistry SGB Amravati University, Amravati	PPG	Efficient and green catalysts for one Photosynthesis of 3,4 dihydropyrimidin - 2(1H) - one Derivatives
34	Mr. Sandip Sudhakar Rao Pande Adarsha Science J. B. Arts Birla Commerce Mv. Dhamangaon Rly. Amravati	PPG	Automatic Test Pattern Generation System For Testing Vlsi Circuit Design
35	Mr. Nandkumar D. Khaire Phulsing Naik Mahavidyalay Pusad Dist. Yavatmal	TH	Solid state autoalarm



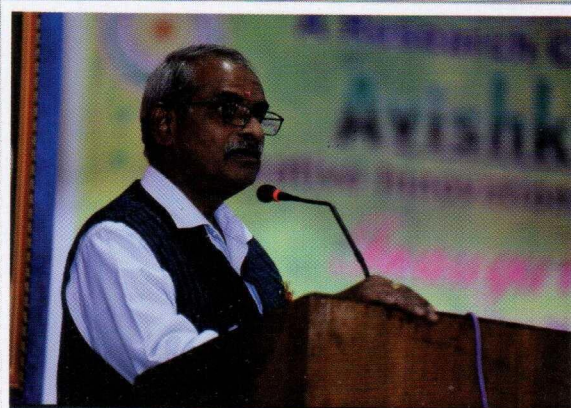
Inauguration of Avishkar-2018
by lightning of lamps



Welcome.... Chief ... Prof G.Gopal Reddy
by Registrar Dr. Ajay Deshmukh



Inauguration of Avishkar-2018



Inauguration Address by
Chief Guest Prof G. Gopal Reddy



Inauguration of Poster & Model display Exhibition



Interaction of Guest with participants during exhibition



Interaction of Guest & Vice-Chancellor with the participants during Exhibition



Interaction of Guest & Vice-Chancellor with the participants during Exhibition



Interaction of Guest & Vice-Chancellor with participants during Exhibition



Interaction of Guest & Vice-Chancellor with participants during Exhibition



Guest Visit to the Exhibition



Felicitation of Prof. Vijay Bhatkar during the valedictory function



Floral Welcome to Prof. Vijay Bhatkar at Valedictory function



Prize Distribution at the hands of Chief Guest



Address by Chief Guest Dr. Vijay Bhatkar



Prize Distribution at the hands of Chief Guest



Prize Distribution at the hands of Chief Guest



Prize Distribution at the hands of Chief Guest