Sant Gadge Baba Amravati University, Amravati

Scheme of Implementation for

Four Year Undergraduate Degree Programme in Engineering and Technology

B.TEXT.E. (Bachelor of Textile Engineering)

In the faculty of

Science and Technology

ACADEMIC EVALUATION SCHEME/CREDIT SYSTEM

Year: 2024-25

(Scheme of Teaching, Learning, Examination & Evaluation w.e.f. 2024-2025 and onwards)

Scheme for First Year - Four Year Undergraduate Engineering Degree Programme
Semester -I – [Common for all branches]

SN	Course Name	Code	Course Plan per Week (Hrs.)				Credits	Theory Evaluation				Theory (Total)		Practical Evaluation				Practical (Total)		ESE Time (Hours)
								External		Internal				External		Internal				
			L	P	T	Hrs.		Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	
	Core Courses																			
1	Applied Mathematics -I	1AL100BS	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
2	Engineering Physics	1AL101BS	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
3	Computer Programming	1AL102ES	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
4	Engineering Mechanics	1AL103ES	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
	Laboratory Courses																			
5	Engineering Physics Lab	1AL104BS	0	2	0	2	1							25	10	25	10	50	25	
6	Computer Programming Lab	1AL105ES	0	2	0	2	1							25	10	25	10	50	25	
7	Engineering Mechanics Lab	1AL106ES	0	2	0	2	1							25	10	25	10	50	25	
8	Engineering Workshop	1AL107ES	0	2	0	2	1							25	10	25	10	50	25	
	Vocational and Skill Enhancement Courses (VSEC)																			
9	Fabric Structure and Design - I	1TX108VS	1	2	0	3	2									50	25	50	25	
	Ability Enhancement Courses (ACE)																			
10	Professional Communication	1AL109AE	1	2	0	3	2							25	10	25	10	50	25	
	Co-curricular course (CC)																			
11	Co-curricular Course	1AL110CC	0	4	0	4	2									50	25	50	25	
	TOTAL		**14**	**16**	**0**	**30**	**22**					**400**						**350**		

L: Lecture P: Practical T: Tutorial MSE: Mid Semester Exam ESE: End Semester Exam IE: Internal Evaluation INT: Internal EXT: External
Note: Suitable number of hours per week is allotted for continuous evaluation process for the above subjects. (Total contact hours per week = 42 Hours)

Scheme for First Year - Four Year Undergraduate Engineering Degree Programme
Semester -II – [Common for all branches]

SN	Course Name	Code	Course Plan per Week (Hrs.)				Credits	Theory Evaluation				Theory (Total)		Practical Evaluation				Practical (Total)		ESE Time (Hours)
								External		Internal				External		Internal				
			L	P	T	Hrs.		Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	
	Core Courses																			
1	Applied Mathematics -II	2AL111BS	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
2	Engineering Chemistry	2AL112BS	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
3	Basic Electrical Engineering	2AL113ES	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
4	Engineering Graphics	2AL114ES	2	0	0	2	2	60	18	40	12	100	40							3.00 Hrs.
	Laboratory Courses																			
5	Engineering Chemistry Lab	2AL115BS	0	2	0	2	1							25	10	25	10	50	25	
6	Basic Electrical Engineering Lab	2AL116ES	0	2	0	2	1							25	10	25	10	50	25	
7	Engineering Graphics Lab	2AL117ES	0	2	0	2	1							25	10	25	10	50	25	
	Vocational and Skill Enhancement Courses (VSEC)																			
8	Fabric Structure and Design - I	2TX118VS	1	2	0	3	2									50	25	50	25	
	Programme Core Course (PCC)																			
9	Introduction to Textile Materials and Products	2TX119PC	2	0	0	2	2	30	09	20	06	50	20							2.00 Hrs.
	Indian Knowledge System (IKS)																			
10	Indian Traditional Knowledge	2AL120IK	2	0	0	2	2	30	09	20	06	50	20							2.00 Hrs.
	Co-curricular Course (CC)																			
11	Co-curricular Course	2AL121CC	0	4	0	4	2									50	25	50	25	
	TOTAL		**16**	**12**	**0**	**28**	**22**					**500**						**250**		

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Note: Suitable number of hours per week is allotted for continuous evaluation process for the above subjects. (Total contact hours per week = 42 Hours)

Scheme for Multiple Entry and Exit

Exit option -1 (Level 4.5): Award of UG Certificate in Major with 44 credits and an additional 8 credits				
Exit Courses				
1	Testing of Textile Materials -	3TX241EC	**Online/offline certification Course**	**4**
2	Fabric and Garment Inspection	3TX242EC		**4**
	OR			
3	Internship in Textile or Garment Industry in Designing and Quality Control Departments	3TX404EL	Two Months (288 – 320 Hours)	**8**

Scheme for Second Year -Four Year UG Engineering Degree Programme
B.TEXT.E. (Bachelor of Textile Engineering) (Semester-III)

SN	Course Name	Code	Course Plan per Week (Hrs.)				Credits	Theory Evaluation				Theory (Total)		Practical Evaluation				Practical (Total)		ESE Time (Hours)
								External		Internal				External		Internal				
			L	P	T	Hrs.		Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	
	Core Courses																			
1	Textile Fibre - I	3TX200PC	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
2	Yarn Manufacturing -I	3TX201PC	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
3	Textile Testing and Quality control	3TX202PC	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
	Laboratory Courses																			
4	Comm. Engagement Project/ Field Project	3TX400EL	0	4	0	4	2							25	10	25	10	50	25	
5	Yarn Manufacturing –I Lab	3TX203PC	0	2	0	2	1							25	10	25	10	50	25	
6	Textile Testing and Quality Control Lab	3TX204PC	0	2	0	2	1							25	10	25	10	50	25	
	Multi-Disciplinary Minor (MDM)																			
7	Multidisciplinary Minor –I*	3TX205MD	2	0	0	2	2	30	09	20	06	50	20							2.00 Hrs.
	Open Elective other than a particular Program																			
8	Open Elective I	3TX206OE 1/2	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
	HSSMC (Entrepreneurship/ Economics/ Management Course)																			
9	Elements of Costing & Economics	3TX207EM	2	0	0	2	2	30	09	20	06	50	20							2.00 Hrs.
	Value Education Course (VEC)																			
10	Environmental Science	3AL208VE	2	0	0	2	2	30	09	20	06	50	20							2.00 Hrs.
	TOTAL		**18**	**08**	**0**	**26**	**22**					**550**						**150**		

L: Lecture P: Practical T: Tutorial MSE: Mid Semester Exam SE: End Semester Exam IE: Internal Evaluation INT: Internal EXT: External

Note: Suitable number of hours per week is allotted for continuous evaluation process for the above subjects. (Total contact hours per week = 42 Hours)

Open Elective-I: 1) Principles of Fashion Technology (3TX206OE1) 2) Computer aided Textile Designing (3TX206OE2)

*Please refer to the list of Multidisciplinary Minor courses attached separately.

Scheme for Second Year - Four Year UG Engineering Degree Programme
B.TEXT.E. (Bachelor of Textile Engineering) (Semester-IV)

SN	Course Name	Code	Course Plan per Week (Hrs.)				Credits	Theory Evaluation				Theory (Total)		Practical Evaluation				Practical (Total)		ESE Time (Hours)
								External		Internal				External		Internal				
			L	P	T	Hrs.		Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	
	Core Courses																			
1	Textile Fiber-II	4TX209PC	2	0	0	2	2	60	18	40	12	100	40							3.00 Hrs.
2	Yarn Manufacturing –II	4TX210PC	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
3	Fabric Manufacturing -I	4TX211PC	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
	Laboratory Courses																			
4	Yarn Manufacturing –II Lab	4TX212PC	0	2	0	2	1							25	10	25	10	50	25	
5	Fabric Manufacturing – I Lab	4TX213PC	0	2	0	2	1							25	10	25	10	50	25	
	Multi-Disciplinary Minor (MDM)																			
6	Multidisciplinary Minor –II*	4TX214MD	1	2	0	3	2	30	09	20	06	50	20							2.00 Hrs
	Vocational & Skill Enhancement Courses (VSEC)																			
7	Textile Testing and Evaluation-1	4TX215VS	1	2	0	3	2									50	25	50	25	
	Open Elective other than a particular Program																			
8	Open Elective- II	4TX216OE 1/2	2	0	0	2	2	30	09	20	06	50	20							2.00 Hrs.
	HSSMC (Entrepreneurship/ Economics/ Management Course)																			
9	Principles of Management	4TX217EM	2	0	0	2	2	30	09	20	06	50	20							2.00 Hrs.
	Ability Enhancement Courses (AEC)																			
10	Modern Indian Language	4AL218AE	2	0	0	2	2							25	10	25	10	50	25	
	Value Education Course (VEC)																			
11	Universal Human Values	4AL219VE	2	0	0	2	2	30	09	20	06	50	20							2.00 Hrs.
	TOTAL		**18**	**08**	**0**	**26**	**22**					**500**						**200**		

L: Lecture P: Practical T: Tutorial MSE: Mid Semester Exam ESE: End Semester Exam IE: Internal Evaluation INT: Internal EXT: External

Note: Suitable number of hours per week is allotted for continuous evaluation process for the above subjects. (Total contact hours per week = 42 Hours)

Open Elective-II: 1) Garment Manufacturing and Pattern Designing (4TX216OE 1), 2) Textile Waste management (4TX216OE 2)

***Please refer list of Multidisciplinary Minor courses attached separately.**

Scheme for Multiple Entry and Exit

Exit option -2 (Level 5.0): Award of UG Diploma in Major with 88 credits and an additional 8 credits				
	Exit Courses			
1	Chemical Processing of Textile Material	5TX243EC	Online Certification Course	4
2	Modern Yarn and Fabric Manufacturing Technology	5TX244EC	Online Certification Course	4
	OR			
3	Internship in Textile or Garment Industry in Production, Designing and Quality Control Departments	5TX405EL	Two Months (288 – 320 Hours)	8

Scheme for Third Year - Four Year UG Engineering Degree Programme
B.TEXT.E. (Bachelor of Textile Engineering) (Semester-V)

SN	Course Name	Code	Course Plan per Week (Hrs.)				Credits	Theory Evaluation				Theory (Total)		Practical Evaluation				Practical (Total)		ESE Time (Hours)
								External		Internal				External		Internal				
			L	P	T	Hrs.		Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	
	Core Courses																			
1	Fabric Manufacturing -II	5TX220PC	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
2	Advanced Yarn Manufacturing Technology	5TX221PC	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
3	Chemical Processing -I	5TX222PC	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
4	Program Elective Course-I	5TX223PE	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
	Laboratory Courses																			
5	Fabric Manufacturing-II Lab	5TX224PC	0	2	0	2	1							25	10	25	10	50	25	
6	Advanced Yarn Manufacturing Technology Lab	5TX225PC	0	2	0	2	1							25	10	25	10	50	25	
7	Chemical Processing –I Lab	5TX226PC	0	2	0	2	1							25	10	25	10	50	25	
	Multi-Disciplinary Minor (MDM)																			
8	Multidisciplinary Minor –III*	5TX227MD	2	0	0	2	2	30	09	20	06	50	20							2.00 Hrs.
9	Multidisciplinary Minor –IV*	5TX228MD	2	0	0	2	2	30	09	20	06	50	20							2.00 Hrs.
10	Multidisciplinary Minor Lab – I*	5TX229ML	0	2	0	2	1							25	10	25	10	50	25	
	Open Elective other than a particular Program																			
11	Open Elective- III	5TX230OE 1/2	2	0	0	2	2	30	09	20	06	50	20							2.00 Hrs.
	TOTAL		**18**	**08**	**0**	**26**	**22**					**550**						**200**		

L: Lecture P: Practical T: Tutorial MSE: Mid Semester Exam ESE: End Semester Exam IE: Internal Evaluation INT: Internal EXT: External

Note: Suitable number of hours per week is allotted for continuous evaluation process for the above subjects. (Total contact hours per week = 42 Hours)

PEC	**Apparel Technology (A)**	**Advance Textile Materials (B)**
PEC **-I**	Apparel Manufacturing	High Performance Fibres

Open Elective –III: 1) Fashion Management and Marketing (5TX230OE 1), 2) Textile reinforcement for composites (5TX230OE 2)

*Please refer list of Multidisciplinary Minor courses attached separately.

Scheme for Third Year -Four Year UG Engineering Degree Programme
B.TEXT.E. (Bachelor of Textile Engineering) (Semester-VI)

SN	Course Name	Code	Course Plan per Week (Hrs.)				Credits	Theory Evaluation				Theory (Total)		Practical Evaluation				Practical (Total)		ESE Time (Hours)
								External		Internal				External		Internal				
			L	P	T	Hrs.		Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	
	Core Courses																			
1	Process Control in Textile Manufacturing	6TX231PC	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
2	Advanced Fabric Manufacturing Technology	6TX232PC	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
3	Chemical Processing -II	6TX233PC	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
4	Program Elective Course-II	6TX234PE	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
5	Program Elective Course -III	6TX235PE	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
	Laboratory Courses																			
6	Process Control in Textile Manufacturing- (Case Studies) -Lab	6TX236PC	0	2	0	2	1							25	10	25	10	50	25	
7	Advanced Fabric Manufacturing Technology Lab	6TX237PC	0	2	0	2	1							25	10	25	10	50	25	
8	Chemical Processing –II Lab	6TX238PC	0	2	0	2	1							25	10	25	10	50	25	
	Multi-Disciplinary Minor (MDM)																			
9	Multidisciplinary Minor –V*	6TX239MD	2	0	0	2	2	30	09	20	06	50	20							2.00 Hrs.
	Vocational and Skill Enhancement Courses																			
10	Textile Testing and Evaluation-II	6TX240VS	1	2	0	3	2									50	25	50	25	
	TOTAL		**18**	**08**	**0**	**26**	**22**					**550**						**200**		

L: Lecture P: Practical T: Tutorial ESE: End Semester Exam IE: Internal Evaluation INT: Internal EXT: External

Note: Suitable number of hours per week is allotted for continuous evaluation process for the above subjects. (Total contact hours per week = 42 Hours)

Please refer list of Multidisciplinary Minor courses attached separately.

PEC	Apparel Technology (A)	Advance Textile Materials (B)
PEC **-II**	Apparel Merchandising	Textured Yarn Technology
PEC **-III**	Sustainability and Certifications for Textile and Apparel Industry	Technical Textiles

Scheme for Multiple Entry and Exit

Exit option -3 (Level 5.5): Award of UG Degree in Major with 132 credits and an additional 8 credits				
	Exit Courses			
1	Knitting Technology	6TX310EC	Online Certification Course	4
2	Technical Textiles	6TX311EC	Online Certification Course	4
	OR			
3	Internship in Textile or Garment Industry in Production, Designing and Quality Control Departments	6TX406EL	Two Months (288 -320 Hours)	8

Scheme for Fourth Year - Four Year UG Engineering Degree Programme
B.TEXT.E. (Bachelor of Textile Engineering)
(Semester-VII)

SN	Course Name	Code	Course Plan per Week (Hrs.)				Credits	Theory Evaluation				Theory (Total)		Practical Evaluation				Practical (Total)		ESE Time (Hours)
								External		Internal				External		Internal				
			L	P	T	Hrs.		Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	
	Core Courses																			
1	Knitting Technology	7TX300PC	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
2	Textile Mathematics	7TX301PC	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
3	Program Elective Course-IV	7TX302PE	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
4	Program Elective Course-V	7TX303PE	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
5	Program Elective Course-VI	7TX304PE	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
	Laboratory Courses																			
6	Knitting Technology Lab	7TX305PC	0	2	0	2	1							25	10	25	10	50	25	
7	Textile Fiber Lab	7TX306PC	0	2	0	2	1							25	10	25	10	50	25	
	Multi-Disciplinary Minor (MDM)																			
8	Multidisciplinary Minor –VI*	7TX307MD	2	0	0	2	2	30	09	20	06	50	20							2.00 Hrs.
9	Multidisciplinary Minor Lab –II*	7TX308ML	0	2	0	2	1							25	10	25	10	50	25	
	Project																			
10	Project	7EP401PR	0	4	0	4	2									100	50	100	50	
	TOTAL		**17**	**10**	**0**	**27**	**22**					**550**						**250**		

L: Lecture P: Practical T: Tutorial ESE: End Semester Exam IE: Internal Evaluation INT: Internal EXT: External

Note: Suitable number of hours per week is allotted for continuous evaluation process for the above subjects. (Total contact hours per week = 42 Hours

PEC	**Apparel Technology (A)**	**Advance Textile Materials (B)**
PEC **–IV**	Comfort and Clothing Science	Nonwoven Technology
PEC **-V**	Supply chain Management in Textile and Apparel Industry	Textile Composites
PEC **-VI**	ERP and MIS in Textile and Apparel Industry	Nanotechnology in Textiles

Scheme for Fourth Year -Four Year UG Engineering Degree Programme B.TEXT.E. (Bachelor of Textile Engineering) (Semester-VIII)																				
SN	**Course Name**	**Code**	**Course Plan per Week (Hrs.)**				**Credits**	**Theory Evaluation**				**Theory (Total)**		**Practical Evaluation**				**Practical (Total)**		**ESE Time (Hours)**
								External		**Internal**				**External**		**Internal**				
			L	**P**	**T**	**Hrs.**		**Max Marks**	**Min Marks**	**Max Marks**	**Min Marks**	**Max Marks**	**Min Marks**	**Max Marks**	**Min Marks**	**Max Marks**	**Min Marks**	**Max Marks**	**Min Marks**	
	Core Courses																			
1	Research Methodology	8TX309RM	4*	0	0	4	4	60	18	40	12	100	40							3.00 Hrs.
2	Industry Internship	8TX402EL	0	24	0	24	12							200	80	100	40	300	150	
3	Project	8TX403PR	0	4	0	4	2							50	20	50	20	100	50	
	TOTAL		**04**	**28**	**0**	**32**	**18**					**100**						**400**		

L: Lecture P: Practical T: Tutorial ESE: End Semester Exam IE: Internal Evaluation INT: Internal EXT: External

Note: Suitable number of hours per week is allotted for continuous evaluation process for the above subjects. (Total contact hours per week = 42 Hours)

*The course on Research Methodology may be completed by the student in Online mode (Swayam, MOOC's, any other platform approved by AICTE OR on the LMS platform offered by the Institute).

B.TEXT.E. (Bachelor of Textile Engineering)

Multi-Disciplinary Minors (14 Credits)

SEM	Course Code	Course Type	Credit		Course Title
			T	P	
Sem III	3TX205MD	MDM –I	2	0	Fashion Designing
Sem IV	4TX214MD	MDM -II	2	0	Garment Pattern Design
Sem V	5TX227MD	MDM -III	2	0	Garment Manufacturing Technology
	5TX228MD	MDM -IV	2	0	Apparel Merchandising and Management
	5TX229ML	MDM Lab. -I	0	1	Garment Manufacturing Technology Lab
Sem VI	6TX239MD	MDM -V	2	0	Fashion Forecasting and Visual Merchandising
Sem VII	7TX307MD	MDM -VI	2	0	Sustainable Fashion and Brand Management
	7TX308ML	MDM Lab. -II	0	1	Sustainable Fashion and Brand Management (Case study) Lab.
		Total	**12**	**02**	

Note: Students from program other than Textile Engineering may opt for the above-mentioned Multidisciplinary (MDM) courses between the 3rd and 8th semesters. Completion of **14credits** is required to fulfill the requirements for the Multidisciplinary Minor degree.

List of Courses for Honors /Double Minor
Smart Textiles & Wearable Technologies

Sr. No.	Code	Course Type	Proposed in Semester	Credit	Title of Course
1	3TX245DH1	MDDM-I	**3**	**4**	Introduction to Smart Textiles
2	4TX246DH1	MDDM-II	**4**	4	Textile Sensors and Actuators
3	5TX247DH1	MDDM-III	**5**	4	E-Textiles and Wearable Devices
4	6TX248DH1	MDDM-IV	**6**	4	Advanced Materials for Smart Textiles
5	7TX407DH1	MDDM-V	**7**	2	Minor project
	Total			**18**	

OR

List of Courses for Honors /Double Minor
Technical Textiles & Composites

Sr. No.	Code	Course Type	Proposed in Semester	Credit Th	Title of Course
1	3TX245DH2	MDDM-I	**3**	**4**	Introduction to Technical Textiles
2	4TX246DH2	MDDM-II	**4**	4	High Performance Fibers
3	5TX247DH2	MDDM-III	**5**	4	Textile Reinforced Composites
4	6TX248DH2	MDDM-IV	**6**	4	Textile Testing for Technical Use
5	7TX407DH2	MDDM-V	**7**	2	Minor project
	Total			**18**	

Note: Eligible students may pursue a **Double Minor degree** by undertaking **Multidisciplinary and Specialization Minor courses** offered between the **3rd and 7th semesters**, subject to the institute norms and policy. Students may complete these requirements through institute-offered courses or by enrolling in approved **MOOCs via SWAYAM/NPTEL**, ensuring fulfillment of the required 18 **credits and academic standards** for the Double Minor degree.

Bachelor of Textile Engineering with Honors Degree by Research

Semester	Subject	Course Code	Credits	Activities
7th Sem	**Research Pejecot-1**	**7TX408HR**	**8**	**Initiation Phase** 1. Topic finalization & guide allocation 2. Literature survey & problem identification 3. Objective setting & methodology planning 4. Project proposal preparation & presentation 5. Initial experimentation/design trials 6. Mid-term progress report submission 7. Interim review presentation 8. End-semester report submission & evaluation
8th Sem	**Research Pejecot-1**	**8TX409HR**	**10**	**Execution & Completion Phase** 1. Continuation of experimental work/data collection 2. Analysis, validation, and interpretation of results 3. Prototype/sample development (if applicable) 4. Preparation of full project report 5. Drafting & submission of research paper to Scopus/peer-reviewed journal 6. Pre-final internal review 7. Final viva-voce & presentation 8. Submission of final report and supporting documents

Final-year **Textile engineering** students may opt to undertake a **Research Project** carrying **18 credits** during the **7th and 8th semesters.**
The research project shall be conducted **over two consecutive semesters** (Semester VII and Semester VIII), under the guidance of a faculty supervisor.

The project work must include:

1. A **comprehensive dissertation**,
2. **Periodic progress evaluations**, and
3. A **final viva-voce examination** conducted by an internal and/or external review panel.

The topic selected should align with the current academic and research priorities in the field of **Textile Engineering**, and must comply with the **academic and ethical standards** set by the institute or affiliating university. Successful completion of the research project, including all evaluations and submission of the final dissertation, is **mandatory** for the award of project credits and degree.

Nomenclature: Name of Discipline /Department offering the courses

Acronym	Course/Subject Vertical
BS	Basic Science Course
BL	Basic Science Laboratory
ES	Engineering Science Course
EL	Engineering Science Laboratory
PC	Program Course
PL	Program Laboratory
E	Program Elective Course
M	Multidisciplinary Minor Course
ML	Multidisciplinary Minor Laboratory
OE	Open Elective

Acronym	Course/Subject Vertical
VS	Vocational Skill Enhancement Course
AE	Ability Enhancement Course
EM	Entrepreneurship/Economics/ Management Course
IK	Indian Knowledge System
VE	Value Education Course
RM	Research Methodology
FP	Field Project
II	Industry Internship
PR	Project
CC	Co-curricular Course

Acronym	Discipline of Engineering / Department offering the course
SH	Science and Humanities
ME	Mechanical Engineering
EE	Electrical Engineering
CS	Computer Science and Engineering
CE	Civil Engineering
IT	Information Technology
ET	Electronics & Telecommunication Engg.
TX	Textile Engineering
EP	Electrical (Electronics & Power) Engg.
AD	Artificial Engineering and Data Science
CH	Chemical Engineering
DS	CSE (Data Science)