

Four Year Degree Course in Bachelor of Engineering Branch: **TEXTILE ENGINEERING**
Semester Pattern (Choice Based Credit Grade System)

SEMESTER:THIRD

Sr. No.	Subject Code	Subject	TEACHING SCHEME					EXAMINATION SCHEME									
			HOURS/WEEK			Total HOURS/WEEK	CREDITS	THEORY					PRACTICAL				
			Lecture	Tutorial	P/D			Duration Of Paper(Hr.)	Max. Marks Theory Paper	Internal Marks	Total	Min. Passing Marks	Max. Marks		Total	Min. Passing Marks	
													Int.	Ext.			
THEORY																	
01	3TX01	Textile Fibre-I	3	--	--	3	3	3	80	20	100	40	--	--	--	--	
02	3TX02	Yarn Manufacturing-I	3	--	--	3	3	3	80	20	100	40	--	--	--	--	
03	3TX03	Fabric Manufacturing-I	3	1	--	4	4	3	80	20	100	40	--	--	--	--	
04	3TX04	Textile Testing-I	3	--	--	3	3	3	80	20	100	40	--	--	--	--	
05	3TX05	Thermal Science and Air Conditioning	3	--	--	3	3	3	80	20	100	40	--	--	--	--	
06	3ES06	**Environmental Studies	2	--	--	2	0	--	--	--	--	--	-	-	-	-	
PRACTICALS/DRAWING/DESIGN																	
07	3TX06	Textile Fibre-I Lab.	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
08	3TX07	Yarn Manufacturing-I lab.	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
09	3TX08	Fabric Manufacturing-I Lab	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
10	3TX09	Textile Testing-I-lab.	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
Total			17	1	8	26	20	--	--	--	500	--	--	--	200	--	
Total															700		

Note:**The Examination of the Subject Environmental Science shall be conducted in IV Semester.

SEMESTER: FOURTH																	
Sr. No.	Subject Code	Subject	TEACHING SCHEME					EXAMINATION SCHEME									
			HOURS/ WEEK			Total HOURS/WEEK	CREDITS	THEORY					PRACTICAL				
			Lecture	Tutorial	P/D			Duration Of Paper(Hr.)	Max. Marks Theory Paper	Internal Marks	Total	Min. Passing Marks	Max. Marks		Total	Min. Passing Marks	
THEORY																	
PRACTICALS/DRAWING/DESIGN																	
01	4TX01	Textile Fibre-II	3	--	--	3	3	3	80	20	100	40	--	--	--	--	
02	4TX02	Yarn Manufacturing-II	3	1	--	4	4	3	80	20	100	40	--	--	--	--	
03	4TX03	Fabric Manufacturing-II	3	--	--	3	3	3	80	20	100	40	--	--	--	--	
04	4TX04	Textile Testing-II	3	--	--	3	3	3	80	20	100	40	--	--	--	--	
05	4TX05	Garment Manufacturing Technology	3	--	--	3	3	3	80	20	100	40	--	--	--	--	
06	4ES06	**Environmental Studies	2	--	--	2	2	3	80	20	100	40	-	-	-	-	
07	4TX06	Textile Fibre-II-lab.	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
08	4TX07	Yarn Manufacturing-II-lab.	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
09	4TX08	Fabric Manufacturing-II-lab.	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
10	4TX09	Textile Testing-II- lab.	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
Total			17	1	8	26	22	--	--	--	600	--	--	--	200	--	
															Total	800	

Note:(i)**The Examination of Subject Environmental Science shall be conducted in IV Semester.

(ii)The students are required to undergo 3-4Weeks Industrial Summer Internship after the 4thSemester.

SEMESTER: FIFTH

Sr. No.	Subject Code	Subject	TEACHING SCHEME					EXAMINATION SCHEME									
			HOURS/WEEK			Total HOURS/WEEK	CREDITS	THEORY					PRACTICAL				
			Lecture	Tutorial	P/D			Duration Of Paper (Hr.)	Max. Marks Theory Paper	Internal Marks	Total	Min. Passing Marks	Max. Marks		Total	Min. Passing Marks	
THEORY																	
01	5TX01	Fabric Structure and Design	3	--	--	3	3	3	80	20	100	40	--	--	--	--	
02	5TX02	Advance Yarn Manufacturing Technology	3	1	--	4	4	3	80	20	100	40	--	--	--	--	
03	5TX03	Chemical Processing-I	3	--	--	3	3	3	80	20	100	40	--	--	--	--	
04	5TX04	Professional Elective-I	3	--	--	3	3	3	80	20	100	40	--	--	--	--	
05	5TX05	Open Elective-I	3	--	--	3	3	3	80	20	100	40	--	--	--	--	
PRACTICALS/DRAWING/DESIGN																	
06	5TX06	Fabric Structure and Design-lab.	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
07	5TX07	Advance Yarn Manufacturing Tech .Lab.	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
08	5TX08	Chemical Processing-I-lab.	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
09	5TX09	Research Skill Laboratory-I	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
Total			15	1	8	24	20	--	--	--	500	--	--	--	200	--	
Total															700		
5TX04:PE(I):(i)Advanced Garment Manufacturing Technology (ii) High Performance Fibres																	
5TX05:OE(I): (i) Fashion Technology (ii)Computer Aided Textile Designing [TobeofferedfromotherDisciplinesbyotherDepartmentsoftheirInstitute]																	

Note: An Orientation Program of 15 Hours durationon“IndianConstitution”tobeofferedtothestudentsduringthe5thSemester.

SEMESTER: SIXTH

Sr. No.	Subject Code	Subject	TEACHING SCHEME						EXAMINATION SCHEME									
			HOURS/WEEK			CREDITS	THEORY					PRACTICAL						
			Lecture	Tutorial	P/D		Total HOURS/WEEK	Duration Of Paper (Hr.)	Max. Marks Theory Paper	Internal Marks	Total	Min. Passing Marks	Max. Marks		Total	Min. Passing Marks		
													Int.	Ext.				
THEORY																		
01	6TX01	Process Control in Textile Manufacturing	3	--	--	3	3	3	80	20	100	40	--	--	--	--		
02	6TX02	Advance Fabric Manufacturing Technology	3	1	--	4	4	3	80	20	100	40	--	--	--	--		
03	6TX03	Chemical Processing-II	3	--	--	3	3	3	80	20	100	40	--	--	--	--		
04	6TX04	Professional Elective-II	3	--	--	3	3	3	80	20	100	40	--	--	--	--		
05	6TX05	Open Elective-II	3	--	--	3	3	3	80	20	100	40	--	--	--	--		
PRACTICALS/DRAWING/DESIGN																		
06	6TX06	Process Control in Textile Manufacturing- Case Studies	--	--	2	2	1	--	--	--	--	--	25	25	50	25		
07	6TX07	Advance Fabric Manufacturing Technology- lab.	--	--	2	2	1	--	--	--	--	--	25	25	50	25		
08	6TX08	Chemical Processing-II-lab.	--	--	2	2	1	--	--	--	--	--	25	25	50	25		
09	6TX09	Research Skill Laboratory-II	--	--	2	2	1	--	--	--	--	--	25	25	50	25		
Total			15	1	8	24	20	--	--	--	500	--	--	--	200	--		
Total															700			
6TX04:PE(II):(i) Comfort & Clothing Science (ii) Specialty Textile Materials																		
6TX05:OE(II): (i) Fashion & Clothing Science (ii) Environment Science & Management in Industry																		

Notes: 1) An Orientation Program of 15Hours duration on “Indian Traditional Knowledge” to be offered to the students during the 6thSemester.

2) The students are required to undergo 4-6 Weeks Industrial Summer Internship after the 6thSemester.

SEMESTER:SEVENTH

Sr. No.	Subject Code	Subject	TEACHING SCHEME					EXAMINATION SCHEME									
			HOURS/ WEEK			Total HOURS/WEEK	CREDITS	THEORY					PRACTICAL				
			Lecture	Tutorial	P/D			Duration Of Paper (Hr.)	Max. Marks Theory Paper	Internal Marks	Total	Min. Passing Marks	Max. Marks		Total	Min. Passing Marks	
													Int.	Ext.			
THEORY																	
01	7TX01	Knitting Technology	3	--	--	3	3	3	80	20	100	40	--	--	--	--	
02	7TX02	Textile Mathematics	3	--	--	3	3	3	80	20	100	40	--	--	--	--	
03	7TX03	Project Management	3	1	--	4	4	3	80	20	100	40	--	--	--	--	
04	7TX04	Applied Electronics and Control Systems	3	--	--	3	3	3	80	20	100	40	--	--	--	--	
05	7TX05	Prof. Elective-III(PE-III)	3	--	--	3	3	3	80	20	100	40	--	--	--	--	
PRACTICALS/DRAWING/DESIGN																	
06	7TX06	Project & Seminar	--	--	8	8	4	--	--	--	--	--	25	25	50	25	
07	7TX07	Knitting Technology-lab.	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
08	7TX08	Project Management –Case Studies	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
09	7TX09	Skill Development Lab.	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
Total			15	1	14	30	23	--	--	--	500	--	--	--	200	--	
Total															700		

List of **Professional Electives-III** (7TX05) offered in Textile Engineering Department:

- i) Sustainable Textile Technologies and Certifications
- ii) Technical Textiles

SEMESTER: EIGHT																	
Sr. No.	Subject Code	Subject	TEACHING SCHEME					EXAMINATION SCHEME									
			HOURS/ WEEK			Total HOURS/WEEK	CREDITS	THEORY					PRACTICAL				
			Lecture	Tutorial	P/D			Duration Of Paper (Hr.)	Max. Marks Theory Paper	Internal Marks	Total	Min. Passing Marks	Max. Marks		Total	Min. Passing Marks	
													Int.	Ext.			
THEORY																	
01	8TX01	Non-Woven Technology	3	--		3	3	3	80	20	100	40	--	--	--	--	
02	8TX02	Apparel Merchandizing	3	--		3	3	3	80	20	100	40	--	--	--	--	
03	8TX03	Elements of Costing and Economics	3	--		3	3	3	80	20	100	40	--	--	--	--	
04	8TX04	Professional Elective-IV	3	--		3	3	3	80	20	100	40	--	--	--	--	
PRACTICALS/DRAWING/DESIGN																	
05	8TX05	Project & Seminar	--	--	12	12	6	--	--	--	--	--	75	75	150	75	
06	8TX06	Non-Woven Technology-lab.	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
07	8TX07	Apparel Merchandizing– Case Studies	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
Total			12	--	16	28	20	--	--	--	400	--	--	--	250	--	
Grand Total															650		

List of **Professional Electives- IV** (8TX04) offered in Textile Engineering Department:

- (i) Import Export Management in Textile
- (ii) Total Quality Management in Textile

