

**13. Courses of Study and Scheme of Assessment  
BTECH TEXTILE TECHNOLOGY**

**(2019 Regulations)**

Course Code	Course Title	Periods / week			Maximum Marks					
		Lecture	Tutorial	Practical	Credits	CA	FE	Total	CAT	
<b>SEMESTER VII</b>										
19T701	Technical Textiles	3	0	0	3	50	50	100	PC	
19T____	Professional Elective III	3	0	0	3	50	50	100	PE	
19T____	Professional Elective IV	3	0	0	3	50	50	100	PE	
19____	Open Elective II	3	0	0	3	50	50	100	OE	
19T710	Garment Manufacturing Laboratory	0	0	4	2	50	50	100	PC	
19T711	Fabric Structure and Product Development Laboratory	0	0	4	2	50	50	100	PC	
19T712	Quantitative Techniques Laboratory	0	0	2	1	50	50	100	EEC	
19T713	Internship II	0	0	2	1	50	50	100	EEC	
19T720	Project Work I	0	0	4	2	50	50	100	EEC	
<b>Total 28 periods</b>		<b>12</b>	<b>0</b>	<b>16</b>	<b>20</b>	<b>450</b>	<b>450</b>	<b>900</b>		

**SEMESTER VIII**

19T____	Professional Elective V	3	0	0	3	50	50	100	PE
19T____	Professional Elective VI	3	0	0	3	50	50	100	PE
19T820	Project Work II	0	0	8	4	50	50	100	EEC
<b>Total 14 periods</b>		<b>6</b>	<b>0</b>	<b>8</b>	<b>10</b>	<b>150</b>	<b>150</b>	<b>300</b>	

CA Continuous Assessment  
FE Final Examination

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## PROFESSIONAL ELECTIVES

### FIBRES

- 19T001 High Performance Fibres
- 19T002 Advances in Manufactured Fibres
- 19T003 Analytical Characterization of Textiles

### YARN AND FABRIC ENGINEERING

- 19T004 Long Staple Spinning
- 19T005 Structural Mechanics of Textile Materials
- 19T006 Advanced Fabric Structure and Design
- 19T007 Specialty Textiles
- 19T008 Textile Composites
- 19T009 Specialty Knits
- 19T010 Coated Textiles
- 19T011 Automotive Textiles
- 19T012 Protective Textiles
- 19T013 Filtration Textiles
- 19T014 Clothing Science
- 19T015 Process and Quality Control in Weaving

### CHEMICAL PROCESSING

- 19T016 Process and Quality Control in Textile Chemical Processing
- 19T017 Functional Finishes
- 19T018 Green Processing of Textiles
- 19T019 Colour Science, Measurement and Applications
- 19T020 Theory of Colouration

### TEXTILE MACHINERY DESIGN

- 19T021 Design Concept of Textile Machinery
- 19T022 Computer Applications in Textiles
- 19T023 Knitting Mechanics
- 19T024 Textile Machinery Maintenance
- 19T025 Textile Machine Drawing

### APPAREL TECHNOLOGY

- 19T026 Apparel Marketing and Merchandising
- 19T027 Apparel Quality Evaluation and Standards
- 19T028 Apparel Production Planning and Control
- 19T029 Apparel Product Engineering

### TEXTILE MANAGEMENT

- 19T030 Ergonomics in Textile and Garment Industry
- 19T031 Total Quality Management
- 19T032 Industrial Engineering
- 19T033 Energy Management in Textile Industry
- 19T034 Textile Costing and Cost Control
- 19T035 Management of Textile and clothing Industry
- 19T036 Joining Textiles
- 19T037 Characterization of Industrial Textiles
- 19T038 Bonded Fabric Structure and Mechanics
- 19T039 Acoustic Textile Products and Characterization
- 19T040 Logistics and supply chain management

## **LANGUAGE ELECTIVES**

- 19G001 Communication Skills for Engineers
- 19G002 German- Level A1.1
- 19G003 French Language Level 1
- 19G004 Basic Japanese

## **ONE-CREDIT COURSES**

### **TEXTILE TECHNOLOGY**

- 19TF01 Quality Management in Spinning
- 19TF02 Quality Control in Weaving
- 19TF03 Quality Testing of Coloured Textiles
- 19TF04 Decorative Printing
- 19TF05 Apparel Merchandising
- 19TF06 Industrial Engineering
- 19TF07 Textile and Apparel Costing
- 19TF08 Enterprise Resource Planning in Textile & Garment Industry
- 19TF09 Coated and Laminated Fabrics and Products
- 19TF10 Warp Knit Fabrics and Applications
- 19TF11 Value Engineering for Textile and Apparel Industry
- 19TF12 Lean Manufacturing for Textile and Apparel Industry
- 19TF13 Six Sigma for Textile and Apparel Industry
- 19TF14 Business Acumen
- 19TF15 Accessories and Allied Machinery Requirements of a Spinning Mill
- 19TF16 Erection and Commissioning of Textile Machinery
- 19TF17 Denim Processing
- 19TF18 Chemical Processing of Textiles
- 19TF19 Acoustic Textile Products and their Characterization
- 19TF20 Needle Punched Nonwovens and their Characterization
- 19TF21 3D Woven Fabrics
- 19TF22 3D Knitted Fabrics
- 19TF23 Digital Printing
- 19TF24 Oil Spill Clean Up Pads
- 19TF25 Cold Weather Protective Textiles
- 19TF26 Fabric Sourcing
- 19TF27 Speciality Fabric Sourcing
- 19TF28 Home Textiles
- 19TF29 Recycling Textiles and Innovating Value from Waste
- 19TF30 Carbon Fibre Technology
- 19TF31 Sustainable Textiles
- 19TF32 Textile Quality Data Analysis and Standards

### **ENGLISH**

- 19GF01 Interpersonal and Organizational Communication
- 19GF02 Human Values Through Literature

### **HUMANITIES**

- 19OFA1 Export – Import Practices
- 19OFA2 Insurance - Concepts and Practices
- 19OFA3 Public Finance
- 19OFA4 Security Analysis and Portfolio Management

### Summary of Credit Distribution

<b>B.TECH TEXTILE TECHNOLOGY</b>										
<b>S. No</b>	<b>Course Category</b>	<b>Credits Per Semester</b>								<b>Total Credits</b>
		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	
1	HS	3	2	3	0	3	0	0	0	11
2	BS	12	9	3	3	0	0	0	0	27
3	ES	3	8	9	0	3	0	0	0	23
4	PC	3	1	8	18	13	15	7	0	65
5	PE	0	0	0	0	3	3	6	6	18
6	OE	0	0	0	0	0	3	3	0	6
7	EEC	0	0+2	0	1	1	3	4	4	15
8	MC	-	-	-	-	-	-	-	-	-
	<b>TOTAL</b>	<b>21</b>	<b>20+2</b>	<b>23</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>20</b>	<b>10</b>	<b>165</b>

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