

13. Courses of Study and Scheme of Assessment

BTECH FASHION TECHNOLOGY

(2019 Regulations)
(Minimum credits to be earned: 165)

Course Code	Course Title	Periods / week			Maximum Marks				
		Lecture	Tutorial	Practical	Credits	CA	FE	Total	CAT
SEMESTER 1									
19H101	Calculus and Geometry	3	1	0	4	50	50	100	BS
19H102	Physics	3	0	0	3	50	50	100	BS
19H103	Chemistry	3	0	0	3	50	50	100	BS
19H104	Fibres and Yarns for Apparel Design	3	0	0	3	50	50	100	PC
19G105	English Language Proficiency	2	1	0	3	50	50	100	HS
19H110	Engineering Graphics	0	0	4	2	50	50	100	ES
19H111	Fashion Evolution and Illustration Laboratory	0	0	4	2	50	50	100	PC
19H112	C Programming Laboratory	0	0	4	2	50	50	100	ES
19IP15	Induction Programme **	0	0	0	0	-	-	-	MC
Total 28 periods		14	2	12	22	400	400	800	
SEMESTER 2									
19H201	Linear Algebra and Transforms	3	1	0	4	50	50	100	BS
19H202	Materials Science	2	0	0	2	50	50	100	BS
19H203	Polymer and Fibre Chemistry	2	0	0	2	50	50	100	BS
19H204	Knitting Technology and Design	3	0	0	3	50	50	100	PC
19H205	Fabric Manufacturing and Design	3	0	0	3	50	50	100	PC
19___	Language Elective	0	0	4	2	50	50	100	HS
19H210	Fabric Manufacturing Laboratory	0	0	4	2	50	50	100	PC
19H211	Basic Sciences Laboratory	0	0	4	2	50	50	100	BS
19H215	Activity Point Programme *	-	-	-	Grade	-	-	-	MC
Semester 2- Summer Term									
19H212	Internship €	0	0	0	2 [£]	100	0	100	EEC
Total 26 periods		13	1	12	22	500	400	900	

** As per norms

* As per AICTE Norms: Total 60 Hrs; Grade : Completed / Not Completed Not counted for CGPA

CA Continuous Assessment

FE Final Examination

€ This course will be conducted prior to the commencement of the third semester for a period of 3 weeks

£ For internship, one credit is equivalent to minimum 40 hours of work as per norms

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Course Code	Course Title	Periods / week			Maximum Marks				
		Lecture	Tutorial	Practical	Credits	CA	FE	Total	CAT
SEMESTER 3									
19H301	Numerical Methods	2	1	0	3	50	50	100	BS
19H302	Fashion Design Concepts	3	0	0	3	50	50	100	PC
19H303	Pattern Engineering and Garment Construction I	2	1	0	3	50	50	100	PC
19H304	Textile Chemical Processing Technology	3	0	0	3	50	50	100	PC
19O306	Economics for Engineers	3	0	0	3	50	50	100	HS
19H310	Fabric Analysis Laboratory	0	0	4	2	50	50	100	PC
19H311	Apparel Production Laboratory I	0	0	4	2	50	50	100	PC
19K312	Environmental Science **	2	0	0	0	-	-	-	MC
19H313	Textile Chemical Processing Laboratory	0	0	4	2	50	50	100	PC
19H315	Activity Point Programme *	-	-	-	Grade	-	-	-	MC
Total 29 periods		15	2	12	21	400	400	800	
SEMESTER 4									
19H401	Probability and Statistics	2	1	0	3	50	50	100	BS
19H402	Electronics in Apparel Design	3	0	0	3	50	50	100	ES
19H403	Mechanics of Apparel Machines	2	1	0	3	50	50	100	ES
19H404	Textile Finishing and Garment Care	3	0	0	3	50	50	100	PC
19H405	Pattern Engineering and Garment Construction II	3	0	0	3	50	50	100	PC
19H410	Apparel Production Laboratory II	0	0	4	2	50	50	100	PC
19H411	Computer Aided Fabric Simulation Laboratory	0	0	4	2	50	50	100	ES
19O412	Indian Constitution **	2	0	0	0	-	-	-	MC
19Q413	Soft Skills Development	0	0	2	1	100	0	100	EEC
19H414	Fashion Design Laboratory	0	0	4	2	50	50	100	PC
19H415	Activity Point Programme *	-	-	-	Grade	-	-	-	MC
Total 31 periods		15	2	14	22	500	400	900	

** As per norms

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Course Code	Course Title	Periods / week			Maximum Marks					
		Lecture	Tutorial	Practical	Credits	CA	FE	Total	CAT	
SEMESTER 5										
19H501	Apparel Quality Evaluation	3	0	0	3	50	50	100	PC	
19H502	Apparel Marketing Management	3	0	0	3	50	50	100	PC	
19H503	Apparel Costing	3	1	0	4	50	50	100	PC	
19H504	Industrial Engineering	2	1	0	3	50	50	100	ES	
19H__	Professional Elective I	3	0	0	3	50	50	100	PE	
19H510	Computer Aided Fashion Designing Laboratory	0	0	4	2	50	50	100	PC	
19H511	Accessories and Embellishment Laboratory	0	0	4	2	50	50	100	PC	
19H512	Apparel Quality Evaluation Laboratory	0	0	4	2	50	50	100	PC	
19Q513	Business and Managerial Communications	0	0	2	1	100	0	100	EEC	
19H515	Activity Point Programme *	-	-	-	Grade	-	-	-	MC	
Total 30 periods		14	2	14	23	500	400	900		
SEMESTER 6										
19H601	Apparel Merchandising	3	1	0	4	50	50	100	PC	
19H602	Apparel Production Planning and Control	2	1	0	3	50	50	100	PC	
19H603	Fabrics for Fashion	3	0	0	3	50	50	100	PC	
19H__	Professional Elective II	3	0	0	3	50	50	100	PE	
19__	Open Elective I	3	0	0	3	50	50	100	OE	
19H610	Methods Engineering Laboratory	0	0	4	2	50	50	100	PC	
19H611	Digital Pattern Design and Marker Development Laboratory	0	0	4	2	50	50	100	PC	
19Q613	Quantitative and Reasoning Skills	0	0	2	1	100	0	100	EEC	
19H620	Innovation Practices	0	0	4	2	50	50	100	EEC	
19H615	Activity Point Programme *	-	-	-	Grade	-	-	-	MC	
Total 30 periods		14	2	14	23	500	400	900		

At the end of 6th semester, the students are required to earn the minimum number of activity points from the AICTE mandated ACTIVITY POINT PROGRAMME to qualify for the award of BE/BTech degree (Refer Section 4 (vii) (c) of 2019 Regulations)

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Course Code	Course Title	Periods / week			Maximum Marks				
		Lecture	Tutorial	Practical	Credits	CA	FE	Total	CAT
SEMESTER 7									
19H701	Retail Management	3	0	0	3	50	50	100	HS
19H702	Science of Clothing Comfort	3	0	0	3	50	50	100	ES
19H__	Professional Elective III	3	0	0	3	50	50	100	PE
19H__	Professional Elective IV	3	0	0	3	50	50	100	PE
19__	Open Elective II	3	0	0	3	50	50	100	OE
19H710	Virtual Garmenting Laboratory	0	0	4	2	50	50	100	PC
19H711	Apparel Product Development Laboratory	0	0	4	2	50	50	100	EEC
19H712	In - Plant Training and Presentation	0	0	2	1	50	50	100	EEC
19H720	Project Work I	0	0	4	2	50	50	100	EEC
Total 29 periods		15	0	14	22	450	450	900	
SEMESTER 8									
19H__	Professional Elective V	3	0	0	3	50	50	100	PE
19H__	Professional Elective VI	3	0	0	3	50	50	100	PE
19H820	Project Work II	0	0	8	4	50	50	100	EEC
Total 14 periods		6	0	8	10	150	150	300	

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PROFESSIONAL ELECTIVES

TECHNOLOGY ELECTIVES

- 19H001 Functional Apparels and Clothing
- 19H002 Home Textiles
- 19H003 Ergonomics for Clothing Industry
- 19H004 Leather Apparel Technology
- 19H005 Denim Garment Manufacturing
- 19H006 Specialty Fabrics and Technology
- 19H007 Lean manufacturing of Apparels
- 19H008 Apparel Size and Fit Analysis
- 19H009 Advanced Weft Knit Design Technology
- 19H010 Apparel Work Study
- 19H011 Dry Processes for Textile And Apparel Industry
- 19H012 Artificial Intelligence and Internet of Things in Textiles and Fashion

FASHION ELECTIVES

- 19H021 Fashion Photography
- 19H022 Garment Trims and Accessories
- 19H023 Fashion Portfolio Development
- 19H024 Fashion Draping
- 19H025 Traditional Indian Textiles
- 19H026 Intimate Apparels
- 19H027 Design of Sports Wear
- 19H028 Colour and Fashion
- 19H029 Visual Merchandising
- 19H030 Fashion Styling
- 19H031 Interior Designing

APPAREL MANAGEMENT ELECTIVES

- 19H041 Digital Fashion Marketing
- 19H042 Brand Management and Advertising
- 19H043 Apparel Logistics and Supply Chain Management
- 19H044 Luxury Brand Management
- 19H045 Enterprise Resource Planning in Apparel Industry
- 19H046 Apparel Entrepreneurship
- 19H047 Global Trade Management
- 19H048 Fashion Forecasting

LANGUAGE ELECTIVES

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

ONE-CREDIT COURSES

FASHION TECHNOLOGY

- 19HF01 Effluent Treatment in Textile Processing
- 19HF02 Computerized Machine Embroidery
- 19HF03 Fashion Rendering
- 19HF04 Digital Fashion Designing & E - Portfolio Development
- 19HF05 Fashion Show Production
- 19HF06 Seamless Garments
- 19HF07 Market Research and Analysis
- 19HF08 Plant Layout and Facility Planning
- 19HF09 Sourcing for Apparel Manufacturing
- 19HF10 Tech Pack Development and Interpretation
- 19HF11 Computer Aided Designing for Home Textiles
- 19HF12 Retail Analytics in Apparel Business
- 19HF13 Product Lifecycle Management (PLM) in Fashion Industry

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 Public Finance and Taxation
 19OFA5 Social Entrepreneurship

Summary of Credit Distribution

B.TECH FASHION TECHNOLOGY										
S. No	Course Category	Credits Per Semester								Total Credits
		1	2	3	4	5	6	7	8	
1	HS	3	2	3	0	0	0	3	0	11
2	BS	10	10	3	3	0	0	0	0	26
3	ES	4	0	0	8	3	0	3	0	18
4	PC	5	8	15	10	16	14	2	0	70
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	5	4	16
8	MC	-	-	-	-	-	-	-	-	-
	TOTAL	22	20+2	21	22	23	23	22	10	165

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