

KUMARAGURU COLLEGE OF TECHNOLOGY

B.TECH FT – Curriculum (Regulation 2018)

Semester I										Pre-requisite
S.No	Course code	Course Title	Course Mode	CT	L	T	P	J	C	
1	U18MAI1201	Linear Algebra and Calculus	Embedded - Theory & Lab	BS	3	0	2	0	4	Nil
2	U18ENI1201	Fundamentals of Communication -I	Embedded - Theory & Lab	HS	2	0	2	0	3	Nil
3	U18PHI1201	Engineering Physics	Embedded - Theory & Lab	BS	3	0	2	0	4	Nil
4	U18CSI1202	Problem Solving and Programming using C	Theory & Lab	ES	2	0	2	0	3	Nil
5	U18FTT1001	Fibre Science	Theory	PC	3	0	0	0	3	NIL
6	U18FTP1502	Fibre analytical laboratory	Lab	PC	0	0	2	0	1	NIL
7	U18INI1300	Engineering Clinic I	Project based course	ES	1	0	0	4	3	Nil
Total Credits									21	
Total Contact Hours/week									28	

Semester II										Pre-requisite
S.No	Course code	Course Title	Course Mode	CT	L	T	P	J	C	
1	U18MAI2201	Advanced Calculus and Laplace Transform	Embedded - Theory & Lab	BS	3	0	2	0	4	U18MAI1101
2	U18ENI2201	Fundamentals of Communication-II	Embedded - Theory & Lab	HS	2	0	2	0	3	U18ENI1201
3	U18CHI2201	Engineering Chemistry	Embedded - Theory & Lab	BS	3	0	2	0	4	NIL
4	U18CSI2201	Problem Solving and Programming using Python	Theory & Lab	ES	2	0	2	0	3	U18CSI1201
5	U18MEI2201	Engineering Graphics	Embedded - Theory & Lab	ES	2	0	2	0	3	NIL
6	U18MEP2501	Engineering practices laboratory	Lab	ES	0	0	2	0	1	NIL
7	U18INI2300	Engineering Clinic II	Project based course	ES	1	0	0	4	3	Nil
Total Credits									21	
Total Contact Hours/week									29	

Semester III										Pre-requisite
S.No	Course code	Course Title	Course Mode	CT	L	T	P	J	C	
1	U18EEI3206	Basic Electrical and Electronics Engineering	Embedded - Theory & Lab	ES	3	0	2	0	4	Nil
2	U18FTT3001	Yarn Technology	Theory	PC	3	0	0	0	3	U18FTT1001
3	U18FTI3202	Concepts of Fashion and Design	Embedded - Theory & Lab	PC	3	0	2	0	4	Nil
4	U18FTT3003	Pattern making and Adaptation	Theory	PC	3	0	0	0	3	Nil
5	U18FTI3204	Garment Components Fabrication	Embedded - Theory & Lab	PC	3	0	2	0	4	Nil
6	U18INI3300	Engineering Clinic III	Project based course	ES	1	0	0	4	3	Nil
Total Credits									21	
Total Contact Hours/week									26	

Semester IV										Pre-requisite
S.No	Course code	Course Title	Course Mode	CT	L	T	P	J	C	
1	U18MAT4102	Numerical methods	Theory and Tutorial	BS	3	1	0	0	4	Nil
2	U18MET4007	Basics of Mechanical Engineering	Theory	ES	3	0	0	0	3	NIL
3	U18FTT4001	Weaving Technology	Theory	PC	3	0	0	0	3	U18FTT1001
4	U18FTT4002	Apparel Machinery and Equipment	Theory	PC	3	0	0	0	3	NIL
5	U18FTI4203	Apparel Design and Development	Embedded - Theory & Lab	PC	3	0	2	0	4	U18FTT3004
6	U18FTI4204	Fabric Structure and Design	Embedded - Theory & Lab	PC	3	0	2	0	4	U18FTT3001
7	U18INI4300	Engineering Clinic IV	Project based course	ES	1	0	0	4	3	Nil
Total Credits									24	
Total Contact Hours/week									28	

Semester V										Pre-requisite
S.No	Course code	Course Title	Course Mode	CT	L	T	P	J	C	
1	U18MAT5102	Probability and Statistics	Theory and Tutorial	BS	3	1	0	0	4	Nil
2	U18FTI5201	Textile Chemical Processing	Embedded - Theory & Lab	PC	3	0	2	0	4	Nil
3	U18FTI5202	Textile and Apparel Quality Evaluation	Embedded - Theory & Lab	PC	3	0	2	0	4	Nil
4	U18FTT5003	Knitting Technology	Theory	PC	3	0	0	0	3	Nil
5	U18FTP5504	Portfolio Presentation I	Lab	PC	0	0	2	0	1	U18FTI4203
6	U18FTP5505	Industrial Training *	Industry	PC	0	0	2	0	1	NIL
7	U18INI5300	Engineering Clinic V	Project based course	ES	1	0	0	4	3	Nil
Total Credits									20	
Total Contact Hours/week									26	
*Industrial training to be undertaken during the 4 th Semester summer vacation –Internal evaluation										

Semester VI										Pre-requisite
S.No	Course code	Course Title	Course Mode	CT	L	T	P	J	C	
1	U18FTT6001	Apparel Production Planning and Control	Theory	PC	3	0	0	0	3	Nil
2	U18FTT6002	Apparel Retail Management	Theory	PC	3	0	0	0	3	Nil
3	U18FTT6003	Apparel Brand Management	Theory	PC	3	0	0	0	3	Nil
4	U18FTP6504	Apparel CAD lab	Lab	PC	0	0	2	0	1	Nil
5	U18FTP6505	Apparel Production Lab II	Lab	PC	0	0	2	0	1	U18FTI4202
6	U18FTP6506	Portfolio Presentation II	Lab	PC	0	0	2	0	1	U18FTP5504
7	U18OE....	Open Elective	Theory	PE	3	0	0	0	3	Nil
8	U18FTE....	Programme Elective I	Theory	PE	3	0	0	0	3	Nil
Total Credits									18	
Total Contact Hours/week									21	

Semester VII										Pre-requisite
S.No	Course code	Course Title	Course Mode	CT	L	T	P	J	C	
1	U18FTT7001	Apparel Merchandising and Cost Management	Theory	PC	3	0	0	0	3	Nil
2	U18FTT7002	Industrial Engineering in Apparel Industry	Theory	PC	3	0	0	0	3	Nil
3	U18INT7000	Soft skills programme	Theory	HS	3	0	0	0	3	Nil
4	U18FTE....	Programme Elective II	Theory	OE	3	0	0	0	3	Nil
5	U18FTE....	Programme Elective III	Theory	PE	3	0	0	0	3	Nil
6	U18FTP7701	Engineering Project - Phase I	Project only Course	PW	0	0	0	6	3	Nil
Total Credits									18	
Total Contact Hours/week									21	

Semester VIII									
S.No	Course code	Course Title	Course Mode	CT	L	T	P	J	C
1	U18FTP8701	Engineering Project-Phase II	Project only Course	PW	0	0	0	24	12
Total Credits									12
Total Contact Hours/week									24

Total Credits									155
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List of mandatory courses

S.No	Course Code	Course Title	Course Mode	CT	Sem
1	U18VEP1501	Human Excellence - Personal Values	Lab	HS	1
2	U18VEP2502	Human Excellence-Inter Personal values	Lab	HS	2
3	U18VEP3503	Human Excellence-Family Values	Lab	HS	3
4	U18CHT3000	Environmental Science and Engineering	Theory	MC	3
5	U18VEP4504	Human Excellence-Professional Values	Lab	HS	4
6	U18IST4000	Indian Constitution	Theory	MC	4

7	U18VEP5505	Human Excellence-Social Values	Lab	HS	5
8	U18VEP6506	Human Excellence-National Values	Lab	HS	6
9	U18VEP7507	Human Excellence-Global Values	Lab	HS	7

Programme Electives									
S.No	Course code	Course Title	Course Mode	CT	L	T	P	J	C
Fashion designing									
1	U18FTE0001	Apparel Product development	Theory	PE	3	0	0	0	3
2	U18FTE0002	Surface Ornamentation	Theory	PE	3	0	0	0	3
3	U18FTE0003	Visual Merchandising	Theory	PE	3	0	0	0	3
4	U18FTE0004	Digital Marketing for Fashion Branding	Theory	PE	3	0	0	0	3
Apparel Technology									
1	U18FTE0005	Clothing science for Apparel Engineering	Theory	PE	3	0	0	0	3
2	U18FTE0006	Apparel Finishing and care	Theory	PE	3	0	0	0	3
3	U18FTE0007	Functional Clothing	Theory	PE	3	0	0	0	3
4	U18FTE0008	ERP and MIS in Apparel industry	Theory	PE	3	0	0	0	3
Apparel Management									
1	U18FTE0009	Fashion Marketing	Theory	PE	3	0	0	0	3
2	U18FTE0010	Social Compliance in Apparel industry	Theory	PE	3	0	0	0	3
3	U18FTE0011	Global Marketing and Sourcing Strategies	Theory	PE	3	0	0	0	3
4	U18FTE0012	Logistics and Supply chain Management	Theory	PE	3	0	0	0	3