

Curriculum of B.Sc. Engineering Honours Degree Programme
Textile & Clothing Technology Specialization - Apparel Production Engineering Stream
Department of Textile & Clothing Technology

Module Code	Module Name	Category	Lectures hrs/week	Lab/ Assignments hrs/weeks	Credits		Norm		Evaluation (%)	
					GPA	NGP	GPA	NGPA	CA	WE
Semester 1										
MA1013	Mathematics	C	3	1/1	3.0				20	80
CS1032	Programming Fundamentals	C	2	3/1	3.0				20	80
ME1032	Mechanics	C	2	3/4	2.0				20	80
MT1022	Properties of Materials	C	2	3/4	2.0				20	80
TT1042	Textile Materials & Processes	C	1.5	3/2	2.0				20	80
EE1012	Electrical Engineering	C	2	3/4	2.0				20	80
MN1012	Engineering in Context	C	1	-		1.0			30	70
EL1012	Language Skill Enhancement I	C	-	3/1	1.0		15.0	1.0	20	80
Total for Semester 1							15.0	1.0		

Semester 2										
MA1023	Methods of Mathematics	C	3	1/1	3.0				30	70
EN1802	Basic Electronics	C	2	3/4	2.0				40	60
MT1812	Engineering Materials	C	1.5	1/1	2.0				30	70
ME1802	Introduction to Manufacturing Engineering	C	2.0	3/2	2.5				30	70
TT2012	Fibre Science	C	1.5	3/2	2.0				40	60
TT2023	Principles of Yarn Manufacture	C	2.5	3/2	3.0				30	70
TT2093	Principles of Textile Machinery &	C	2.5	3/2	3.0				30	70
EL1022	Language Skill Enhancement II	C	-	3/1	1.0				20	80
TT1973	Industry Orientation	C				1.5	18.5	1.5	100	00
DE2xxx	Humanities Elective I*	E	2	-	2.0		2			
MN1030	Entrepreneurship Skill Development (cont)	O	0.5	3/2		1.0			70	30
Total for Semester 2							20.5	1.5		

Curriculum of B.Sc. Engineering Honours Degree Programme
Textile & Clothing Technology Specialization - Apparel Production Engineering Stream
Department of Textile & Clothing Technology

Module Code	Module Name	Category	Lectures hrs/week	Lab/ Assignments	Credits		Norm		Evaluation	
					GPA	NGP	GPA	NGPA	CA	WE
Semester 3										
MA2013	Differential Equations	C	2	-	2.0		18.0	2	30	70
MA2023	Calculus	C	2	-	2.0				30	70
ME1822	Basic Engineering Thermodynamics	C	1.5	3/2	2.0				30	70
CS2812	Visual Programming	C	1	3/1	2.0				60	40
TT2032	Knitted Fabric Technology	C	3.5	3/2	4.0				30	70
TT2043	Woven Fabric Technology	C	3.5	3/2	4.0				30	70
TT2162	Principles of Work Study	C	1.5	3/2	2.0				50	50
TT1963	Engineering Skills Development	C	-	6/1		2.0			100	00
MN1030	Entrepreneurship Skill Development (<i>contg</i>)	O	0.5	3/2		1.0			70	30
Total for Semester 3							18.0	2		

Module Code	Module Name	Category	Lectures hrs/week	Lab/ Assignments	Credits		Norm		Evaluation (%)	
					GPA	NGP	GPA	NGPA	CA	WE
Semester 4										
MA2032	Linear Algebra	C	2	-	2.0		21.5	1.5	30	70
MA3012	Applied Statistics	C	2	-	2.0				30	70
TT2063	Woven Fabric Structures & Analysis	C	2.5	3/2	3.0				40	60
TT2132	Garment Fabrication 1	C	2.5	3/2	3.0				40	60
TT2142	Principles of Clothing Manufacture	C	3	-	3.0				30	70
TT2073	Colouration & Finishing of Textiles	C	3	3/2	3.5				40	60
ME2850	Fundamentals of Machine Element	C	2	3/1	3.0				40	60
TT2913	Communication Skills Enhancement	C	1	3/1	2.0				100	00
TT3903	Industrial Visits	C				1.5			100	00
MN2010	Entrepreneurial Leadership	O	1.5	3/2	2.0		50	50		
Total for Semester 4							21.5	1.5		

Curriculum of B.Sc. Engineering Honours Degree Programme
Textile & Clothing Technology Specialization - Apparel Production Engineering Stream
Department of Textile & Clothing Technology

Module Code	Module Name	Category	Lectures hrs/week	Lab/ Assignments hrs/weeks	Credits		Norm		Evaluation (%)	
					GPA	NGPA	GPA	NGPA	CA	WE
Semester 5										
TT3062	Testing & Evaluation of Textile Materials	C	3.5	3/2	4.0		11.0	0.0	50	50
TT3112	Pneumatics	C	1.5	3/2	2.0				30	70
MN3042	Business Economics & Financial Accounting	C	3.0	-	3.0				30	70
MN4132	Consumer & Industrial Marketing	C	2.0	--	2.0		7.0	0.0	30	70
TT3082	Apparel Production Management	E	2.5	3/2	3.0				30	70
TT3132	Equipment Technology	E	1.5	3/2	2.0				30	70
TT3252	CAD for Apparel	E	1	3	2.0				100	00
TT3072	Process Control in Colouration & Finishing	O	2.5	3/2	3.0				40	60
TT3222	Non Woven Textiles	O	2.0	--	2.0				40	60
TT3262	Instrumentation & Programming for Automation	O	2.5	3/2	3.0				40	60
MA3023	Numerical Methods	O	2.0	--	2.0				30	70
TT3232	Apparel Manufacturing Business	O	1.5	3/2	2.0				60	40
EL2952	Language Skill Enhancement III	O	1	3/1		2.0			20	80
MN3010	Multidisciplinary Design, Innovation & Venture Creation	O	1.5	3/2	2.0		50	50		
Total for Semester 5							20.0	0.0		

Module Code	Module Name	Category	Lectures hrs/week	Lab/ Assignments hrs/weeks	Credits		Norm		Evaluation (%)	
					GPA	NGPA	GPA	NGPA	CA	WE
TT3992	Industrial Training	C	-	-		6.0				
Total							0.0	6.0		

Curriculum of B.Sc. Engineering Honours Degree Programme
Textile & Clothing Technology Specialization - Apparel Production Engineering Stream
Department of Textile & Clothing Technology

Module Code	Module Name	Category	Lectures hrs/week	Lab/ Assignments hrs/weeks	Credits		Norm		Evaluation (%)	
					GPA	NGPA	GPA	NGPA	CA	WE
Semester 6										
TT4353	Apparel Design Project	C	1	3	2.0		6	1	100	0
TT4112	Environmental Management	C	1.5	3/2	2.0				50	50
TT4102	Quality Control & Management	C	2.0	-	2.0				40	60
TT4912	Guest Lectures and Presentations	C	1.0	-		1.0			100	00
DE2xxx	Humanities Elective II*	E	2	-	2		2			
TT4262	Technical Textiles	O	2.0	-	2.0				40	60
TT4292	Lean Manufacturing	O	1.5	3/2	2.0				40	60
TT4332	Reliability Engineering	O	2.0	-	2.0				40	60
Total for Semester 6							10.0	1.0		

Semester 7										
MN4122	Human Resource Management and Industrial Relations	C	2.0	-	2.0		10.0		30	70
TT 4162	Control Systems & Applications	C	3.5	3/2	4.0				40	60
TT4202	Final Year Project**	C	-	-	4.0				100	00
TT4252	Apparel Marketing & Merchandising	E	2.0	-	2.0		4.0		40	60
TT4152	Production Planning & Control	E	2.5	3/2	3.0				40	60
TT4342	Human Factors & Ergonomics of Workplace Design	E	1.5	3/2	2.0				60	40
TT4212	Structure & Mechanics of Yarn & Fabrics	E	1.5	3/2	2.0				40	60
MN4102	Management of Information & Communication Technology in Organizations	O	2.0	-	2.0				30	70
MN4042	Technology Management	O	2.0	-	2.0				30	70
MN3020	Entrepreneurship Business Basics	O	2.0	3/1	3.0				50	50
Total for Semester 7							16.0	0		

Curriculum of B.Sc. Engineering Honours Degree Programme
Textile & Clothing Technology Specialization - Apparel Production Engineering Stream
Department of Textile & Clothing Technology

Module Code	Module Name	Category	Lectures hrs/week	Lab/Assignments hrs/weeks	Credits		Norm		Evaluation (%)	
					GPA	NGPA	GPA	NGPA	CA	WE
Semester 8										
TT4202	Final Year Project**	C	-	-	4.0		4.0		100	0
TT4122	Garment Fabrication II	E	1	3	2.0		8.0		40	60
TT4132	Operations Research & Simulation	E	3.0	3.0	4.0				40	60
TT4302	Colour Measurement & Colour Matching	E	1.5	3/2	2.0				40	60
TT4312	Garment Washing	E	1.5	3/2	2.0				40	60
MN4092	Management Skills Development	O	2.0	-	2.0				30	70
MN4022	Engineering Economics	O	2.0	-	2.0		30	70		
MN4072	Small Business Management & Entrepreneurship	O	2.0	-	2.0		30	70		
MN4010	Business Plan Development	O	1.5	3/2	2.0		70	30		
MN4150	Project Management	O	2.0	-	2.0		50	50		
Total for Semester 8									16.0	0.0
To be taken from Optionals/ Electives from Semesters 5-8									8.0	
Minimum for Graduation - GPA									135.0	
Minimum for Graduation - NGPA										12.0
Minimum for Graduation - Total										150.0

* - Weekly load of lectures and lab/assignment hrs vary among different Humanities Electives (to be offered on availability basis).

** - A total of 8 credits for Design/Research Project over Semester 7 and Semester 8.

