

B.Sc.FashionApparel Management

Syllabus

AFFILIATED COLLEGES

Program Code: 26R

2025–2026 onwards



BHARATHIAR UNIVERSITY

(A State University, Accredited with "A++" Grade by NAAC, Ranked
21st among Indian Universities by MHRD-NIRF)

Coimbatore-641046, Tamil Nadu, India

Program Educational Objectives(PEOs)	
The B.Sc.Fashion Apparel Management program describe accomplishments that graduates are expected to attain within five to seven years after graduation	
PEO1	Graduates will have successful professional careers in Industry and Academia in the field of Apparel and Fashion technology
PEO2	Graduates will become successful entrepreneur in Apparel, Fashion and related fields
PEO3	Graduates will continue to learn and advance their careers through attainment of professional certification and seeking higher education.
PEO4	Graduates will be competent through effective communication, soft skills and teamwork skills and will be able to relate garment industry issues to broader social contexts
PEO5	Graduates will be professional, ethical and demonstrate spirit of excellence and leadership in their successful professional career



Program Specific Outcomes (PSOs)	
After the successful completion of B.Sc. Fashion Apparel Management program, the students are expected to	
PSO1	To be able to understand the buyer requirements and expectations of domestic and international market and quality standards prevailing in the fashion and apparel industry.
PSO2	Demonstrate the knowledge and understanding of the processes related to apparel manufacturing
PSO3	Apply domain knowledge and problem-solving skills to solve real time problems in apparel production
PSO4	Develop new designs and products for apparel and technical applications
PSO5	Have Entrepreneurship and Life Skills to start their own businesses



Program Outcomes (POs)	
On successful completion of the B.Sc. Fashion Apparel Management	
PO1	Students will be able to understand the principles and techniques of various processes in apparel manufacturing
PO2	To be able to identify, analyze the quality and production issues in apparel manufacturing and to design an optimal solution using the tools and techniques
PO3	Demonstrate the knowledge and skills of production process in creating new designs and products
PO4	Demonstrate knowledge and understanding of the management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
PO5	Demonstrate knowledge and understanding of various aspects of domestic and export apparel trade in setting up the business
PO6	Able to demonstrate technical, managerial and entrepreneurial skills in setting up a production unit
PO7	Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.



BHARATHIARUNIVERSITY:COIMBATORE641046
B.Sc.Fashion ApparelManagementCurriculum
(Forthestudentsadmittedfromtheacademicyear2025-2026andonwards)

Schemeof Examination

Part	TitleoftheCourse	Hours/ Week	Examination				Credits
			Duration in Hours	MaximumMarks			
				CIA	ESE	Total	
	SemesterI						
I	LanguageI	6	3	25	75	100	4
II	English I	6	3	25	75	100	4
III	CorePaperI-Principlesand Elements of Fashion Design	4	3	20	55	75	3
III	CorePaperII-Textile Science	4	3	25	75	100	4
III	Core-PracticalI-Computer Application Practical	4	3	30	45	75	3
III	AlliedPaperI-Principlesof Management	4	3	25	75	100	4
IV	EnvironmentalStudies*	2	3	-	50	50	2
Total		30	-	150	450	600	24
	SemesterII						
I	LanguageII	6	3	25	75	100	4
II	English II	4	3	25	25	50	2
	NaanMudhalvanSkillCourse- Language Proficiency for employability-EffectiveEnglish	2	-	25	25	50 #	2
	http://kb.naanmudhalvan.in/Special:Filepath/Cambridge_Course_Details.pdf						
III	CorePaper III-Fabric Science	4	3	20	55	75	3
III	Core Paper IV -Textile ColourationandFinishing	4	3	20	55	75	3
III	Core - Practical II - FabricAnalysisPractical	4	4	40	60	100	4
III	AlliedPaperII-Accountingfor Managers	4	3	25	75	100	4
IV	ValueEducation-HumanRights *	2	3	-	50	50	2
Total		30	-	180	420	600	24

	SemesterIII						
I	LanguageIII	6	3	25	75	100	4
II	English III	4	3	25	75	100	4
III	Core Paper V- Apparel ManufacturingTechnology	4	3	20	55	75	3
III	Core-PracticalIII-Manual Pattern Making	4	3	30	45	75	3
III	AlliedPractical I- ComputerAidedPatternMaking Practical	4	3	20	30	50	3
IV	SkillbasedSubjectI-Fashion Communication	4	3	20	55	75	3
	Tamil** / Advanced Tamil* (OR) Non-major elective - I (YogaforHumanExcellence)* /Women's Rights*	2	3	-	50	50	2
V	Health and Wellness	2	-	100	-	100	1
Total		30	-	240	385	625	23
	SemesterIV						
I	LanguageIV	6	3	25	75	100	4
II	English IV	4	3	25	75	100	4
	NaanMudhalvanSkillCourse– Digitalskillsforemployability- OfficeFundamentals	2	-	25	25	50 #	2
	http://kb.naanmudhalvan.in/Special:Filepath/Microsoft_Course_Details.xlsx						
III	CorePaperVI-Apparel QualityAssurance	4	3	20	55	75	3
III	CorePracticalIV-Stitchesand Seams Practical	4	3	30	45	75	3
III	AlliedPracticalII- TextileTestingPractical	4	3	20	30	50	2
IV	SkillbasedSubjectII–Apparel Costing	4	3	20	55	75	3
	Tamil**/Advanced Tamil* (OR)Non-majorelective-II (General Awareness*)	2	3	-	50	50	2
Total		30	-	165	410	575	23
	SemesterV						
III	CorePaperVII-Apparel Merchandising	4	3	20	55	75	3

III	CorePaperVIII-Industrial Engineering	4	3	25	75	100	4
III	CorePracticalV-Garment Construction I- Practical	5	3	40	60	100	4
III	Internshipand Viva Voce ##	10	-	20	30	50	4
III	ElectivePaperI	4	3	25	75	100	4
IV	SkillbasedSubjectIII–TQMin Apparel Industry	3	3	20	55	75	3
Total		30	-	150	350	500	22
SemesterVI							
III	Core Paper IX-Entrepreneurship andSmallBusinessDevelopment	4	3	20	55	75	3
III	Core Paper X – Basics of Technical Textiles	5	3	25	75	100	4
III	ProjectWork and Viva Voce ##	10	-	25	75	100	4
III	ElectivePaper II	4	3	25	75	100	4
III	ElectivePaper III	4	3	25	75	100	4
IV	SkillbasedSubjectIV–ERP in Apparel Industry	3	3	20	55	75	3
V	ExtensionActivities**	-	-	50	-	50	2
	Naan Mudhalvan Skill Course: EmployabilityreadinessNaandi/ Unmati/ Quest / Izapy / IBM Skill Build						
Total		30	-	190	410	600	24
GrandTotal		180	-	1075	2425	3500	140

CIA–ContinuousInternalAssessment

CEE–ComprehensiveExternalExamination

*NoContinuousInternalAssessment(CIA).OnlyUniversityExaminations.

**NoUniversityExaminations.OnlyContinuousInternalAssessment (CIA)

@EnglishII-Universitysemesterexaminationwillbeconductedfor50marks(Asperexistingpatternof Examination) and it will be converted for 25 marks.

#NaanMudhalvan–Skillcourses-external25markswillbeassessedbyIndustryandinternalwillbe offered by respective course teacher.

##MarkDivisionfor InternshipandProject

Paper title	Total Marks	CIA	CEE	
			Evaluation	Viva-Voce
InternshipandViva Voce##	100	25	50	25
ProjectWorkandVivaVoce##	100	25	50	25

AdditionalCredit Course

EarningAdditionalcreditcourseisnotmandatory forProgramme Completion.

PrescribedcoursesunderUGC–SWAYAM/MOOCs/NPTELwillbeavailablefortheaffiliated colleges, as an optional.

ListofElectivepapers (Colleges canchoose anyoneofthepapersaselectives)		
Elective–I	A	FashionMarketing
	B	StatisticsforManagement
	C	SupplyChain Management
Elective–II	A	VisualMerchandising
	B	InternationalTradeandDocumentation
	C	IndustrialPsychology
Elective- III	A	ApparelBrand Management
	B	HumanResource Planning
	C	HumanValuesandProfessionalEthics



First Semester

Course Code	13A	Principles and Elements of Fashion Design	L	T	P	C
Core	Paper I		4	-	-	3
Pre-requisite	Basic knowledge in science		Syllabus Version		2025 - 2026	
Course Objectives:						
The main objectives of this course are to:						
1. Enable the student to learn about the basics of fashion, design and roles of fashion designer						
2. Describe about elements of design and colour theory						
3. Elaborate about the fashion styledetails						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Differentiate the various types of fashion designers					K3
CO2	Classify the various elements of fashion					K2
CO3	Select and apply colours in fashion design					K3
CO4	Understand about principles of design and its applications					K2
CO5	Differentiate various fashion styledetails					K2
K1-Remember; K2 -Understand; K3-Apply; K4-Analyze; K5-Evaluate; K6 -Create						
Unit:1	Introduction to Fashion				12 hours	
Fashion Definition–Fashion terminologies–Classification of fashion–Fashion cycle–Fashion forecasting–Factors influencing fashion–Role and responsibilities of a fashion designers–Types of fashion designers						
Unit:2	Elements of Design				12 hours	
Introduction to design – Types of design– Elements and their importance in a design – Line–Types – Application of line in a garment –Influence of line in various illusion - Shape – Types– Importance of shape in garment design – Texture – Determinants of texture – Effect of texture on colour and physical proportion						
Unit:3	Colour and Colour theory				12 hours	
Introduction to colour theories–Dimensions of colour–Colour systems–Warm and cool colours – colourschemes–Application of colour in fashion design–Visual impact of colour in a garment–Importance of colour psychology						
Unit:4	Principles of Design				12 hours	
Importance of principles of design in fashion – Balance and its types–Proportion and its application in garment design – Emphasis – Creating emphasis in a garment using various techniques – Harmony and its impact in garment design–Rhythm–Application of rhythm in garment design						
Unit:5	Fashion Style Details				12 hours	
Importance of details in apparel design – Various types of neck, collar and sleeve – Different types of waist and hemlines–Types of plackets, Pockets–Garments for men, women and kids– Unisex garments – Intimate, active and functional garments						
			Total Lecture hours		60 hours	

TextBook(s)3	
1	ElementsofFashionandApparelDesign,Sumathi.G.J,NewAge International(P)Ltd,New Delhi 2002
2	ApparelMakinginFashionDesign, InjooKimandMykyungUh,FairchildPublications,New York, 2002
ReferenceBooks	
1	FashionDesignDrawingandPresentation, PatricJohnIreland,B.T.Batsfort Ltd,London1982
2	ACompleteGuidetoFashion Designing,JennyDavis,Bharat Bhushan Abishek Publication, 2006
3	FashionSourceBook, KathrynMckelveyandJanineMunslow,Blackwell Publication, 2006
4	AGuidetoCreativeColourCombinations,BrideM.Whelan,ColourHarmonyRockport Publishers, 1997
5	EncyclopaediaofFashionDetails,PatricJohnIreland,PrenticeHall,NJ,1987
Relatedwebsite	
1	https://www.toptal.com/designers/ui/principles-of-design
2	https://blog.bannersnack.com/elements-and-principles-of-design/
3	https://purushu.com/2010/08/elements-of-design-in-fashion.html
CourseDesignedBy:Dr.D.AnitaRachel	

MappingwithProgrammeOutcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	S	M	M	M	S	L	M
CO2	S	M	M	M	S	L	M
CO3	S	M	M	M	S	L	M
CO4	S	M	M	M	S	L	M
CO5	S	M	M	M	S	L	M

*S-Strong;M-Medium;L-Low

Course Code	13B	TextileScience	L	T	P	C
Core		Paper II	4	-	-	4
Pre-requisite		Basicknowledgeinscience	Syllabus Version		2025 - 2026	
CourseObjectives:						
Themainobjectivesof thiscourseareto:						
1. Enable the students to learn about the various textile fibresused in the apparel industry andtheir characteristics						
2. Describeabout yarnmanufacturingprocess anditstypes						
3. Elaborateaboutthevarious yarndefects,yarnqualitycriteria						
ExpectedCourseOutcomes:						
Onthesuccessfulcompletion ofthecourse,studentwillbeableto:						
CO1	Differentiatethecharacteristicsvariousnaturalfibres					K3
CO2	Differentiatetheproductionofsemi syntheticfibresandtheircharacteristics					K2
CO3	Differentiatethevarious productionmethodsofsyntheticfibresmanufacturing andclassifythefibrecharacteristics					K2
CO4	Understandtheprinciple ofcottonspinningsystemandDifferentiatethe characteristicscardedandcombed yarns					K3
CO5	Identifythecausesforvariousyarndefects; applyknowledgeonyarnquality requirementsforvarious enduses.					K3
K1-Remember;K2 -Understand;K3-Apply;K4-Analyze;K5-Evaluate;K6 -Create						
Unit:1	NaturalFibres				14 hours	
Introduction to Textile fibres and their Classification – General properties. Cotton: Botanical and commercial classification - Properties - End uses. Brief study about Organic Cotton. Flax: properties-Enduses.Wool:Grading-properties-Enduses.WoollenandWorstedYarns.Silk: Types-properties-End uses.ProductionofRawsilk-Degumming.						
Unit:2	RegeneratedFibres				12 hours	
Methodsof FilamentSpinning. Semi synthetic fibres: Rayon - Regenerated andmodified cellulose- Viscose rayon process flow – Modal and Lyocell Fibre properties and End uses. Bamboo fibre – Enduses. Acetate fibre - Properties and End uses						
Unit:3	SyntheticFibres				12 hours	
IntroductiontoPolymerandPolymerizationanditstypes.Syntheticfibres:Briefstudyabout polyamide, polyester, polyacrylic, and spandex - fibre properties and End uses. Micro fibresanditstypesproperties.Texturization:Objectives,TypesoftexturedyarnsandMethodsof Texturization.						
Unit:4	YarnManufacturing				10 hours	
Yarn:Classificationofyarntypes-Staplespinningsystem–Types.Influenceoffibreproperties onyarnquality.CottonYarnProductionsequenceandobjectives-Comparisonofcardedand combed yarn - Winding and its objects – Yarn numbering systems - Significance of yarn twist.						

Unit:5		YarnProperties	12 hours
BriefstudyaboutOEandCompactSpinning.MelangeYarn.Blendedtextiles:Typesofblending -Reasonsforblending.Double yarn–Properties.Sewingthreads:Types,features,uses- Propertiesrequired for export quality hosiery yarns, Various Yarn and Package defects.			
		TotalLecture hours	60 hours
TextBook(s)			
1	Atextbookoffibrescienceandtechnology, Mishra,S.P.,NewAgeInternationalPublishers, 2005		
2	Textileyarns,Technology,StructureandApplications, Goswami.B.C., Martindale.J.G, Scardino.F.L.,WileyIndiaPvt.,Ltd.,2010		
ReferenceBooks			
1	Handbookoftextilefibres, Volume II,Fifthedition,GordonCook,J,Woodhead publishing Ltd.,1984		
Relatedwebsites			
1.	https://www.textileschool.com/2782/comprehensive-list-of-textile-fibers/		
2.	http://textilefashionstudy.com/what-is-textile-fiber-classifications-of-textile-fiber/		
3.	http://gpktt.weebly.com/classification-of-textile-fibers.html		
4.	https://p2infohouse.org/ref/11/10023/YarnFormation.asp		
5.	https://sites.google.com/site/textileschoolorg/yarn/process-of-yarn-formation		
6.	https://www.cottonworks.com/topics/sourcing-manufacturing/yarn-manufacturing/the-basics-of-yarn-manufacturing-spinning-process/		
7.	http://textilefashionstudy.com/what-is-spinning-types-of-spinning-process/		
CourseDesignedBy:Dr.P.P.GopalakrishnanandDr.D.Anita Rachel			

MappingwithProgrammeOutcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	S	S	M	L	L	L	M
CO2	S	S	M	L	L	L	M
CO3	S	S	M	L	L	L	M
CO4	S	S	M	L	L	L	M
CO5	S	S	M	L	L	L	M

*S-Strong;M-Medium;L-Low

Course Code	13P	ComputerApplicationPractical	L	T	P	C
Core		Practical-I	-	-	4	3
Pre-requisite		Basicknowledgeincomputerscience	Syllabus Version		2025 - 2026	
CourseObjectives:						
Themainobjectivesof thiscourseareto:						
1. Learnthebasics of creatingadocumentusingMSwordandMS Excel						
2. Learnthebasics of designingusingCorel draw						
3. Learnthebasics of webpagedesigning						
ExpectedCourseOutcomes:						
Onthesuccessfulcompletionofthecourse,student willbeable to:						
CO1	CreateadocumentusingMSWord,MSExcel,MSAccess,MSpower point					K5
CO2	Createadesignusing CorelDraw					K6
CO3	Designawebpage					K6
CO4	Performmail mergeadocument					K5
CO5	Createan email id					K3
K1-Remember;K2 -Understand;K3-Apply;K4-Analyze;K5-Evaluate;K6 -Create						
Onthesuccessfulcompletion ofthecourse,studentwillbeableto:						
1.	PrepareaninterviewcallletterandsendusingmailmergeinMSWord.					5 hrs
2.	DesignthegivenadvertisementusinginMSword.Applyvariousfonts and pictures.					5 hrs
3.	Createline,barandpie chartsforthe givendata usingMS Excel					5 hrs
4.	Preparestudents markstatementwiththefollowingfieldsRoll No,Name,Sub1, Sub2,Sub3,Sub4,andSub5.CalculateTotal,Average,ResultandGrade.Apply Conditional formatting.					5 hrs
5.	Prepare employee salary list with fields Employee No, Employee Name, Experience,BasicPay,HRA,DA,LIC,PF.CalculateGrossSalaryandNet Salarybasedongiven conditions					5 hrs
6.	Prepareapowerpointpresentationaboutaproduct.Applyanimationandslide timing.					5 hrs
7.	CreateanEmailIDandusevariousmailfeatures					5 hrs
8.	Createatableforrailwayreservation systemusingMSAccess.					5 hrs
9.	CreateaninvitationusingCorelDraw.					5 hrs
10.	DesignaT-shirtwithpatternsusing CorelDraw					5 hrs
11.	Designwebpageswithhyperlinkslinkingall pages					5 hrs
12.	Designawebpagewithorderlistandunorderedlist.					5 hrs
TotalLecturehours					60 hours	
TextBook(s)						
1	MSoffice2000foreveryone,Sanjaysaxena,Sangam booksLtd, 2000					
ReferenceBook(s)						
2	Fundamentalsofcomputers,RajaramanV,Prentice-Hall of India, 1985					
3	PracticaltechniquesinMSWord,Neibauer,AlanR,1986					
CourseDesignedBy: Dr.S.Nivas						

Relatedonlinecontent	
1	https://www.coreldraw.com/en/pages/tutorials/coreldraw
2	https://www.computer-pdf.com

MappingwithProgrammeOutcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	L	L	M	L	S	S	M
CO2	L	L	M	L	S	S	M
CO3	L	L	M	L	S	S	M
CO4	L	L	M	L	S	S	M
CO5	L	L	M	L	S	S	M

*S-Strong;M-Medium;L-Low



Course Code	1AA	Principles of Management	L	T	P	C
Allied		Paper I	4	-	-	4
Pre-requisite		Basic knowledge about organization and management	Syllabus Version		2025 - 2026	
Course Objectives:						
The main objectives of this course are to:						
1. Introduce Profession of Management and help the students gain understanding of the functions and responsibilities of the manager						
2. Provide participants tools and techniques to be used in the performance of the managerial job, and enable them to analyze and understand the environment of the organization.						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Understand the evolution and differentiate various management thoughts					K2
CO2	Plan the strategy and manage the organization					K3
CO3	Develop and Organize the structure of management					K2
CO4	Recognize the importance of leadership					K3
CO5	Learn the application of overall control for effective management					K3
K1-Remember; K2 -Understand; K3-Apply; K4-Analyze; K5-Evaluate; K6 – Create						
Unit:1	Evolution of Management concept				12 hours	
Management overview-Definition, Nature, Scope, Function -Is Management Arts or Science- Management and Administration –Evolution of Management Evolution and Trends - Classical school and Modern School of Management thoughts - Roles of Managers						
Unit:2	Planning				12 hours	
Meaning and purpose of planning –Planning Process –Types of Plan and planning -Measures of effective Planning, Barriers to Effective Plan - Objectives-Management by Objectives Strategies - Types of strategies -Policies and Planning Premises –Management Framework –Role Played by Mission, Vision and Values-Forecasting-Decision Making-Types of decision-Decision Making Process-Rational Decision Making.						
Unit:3	Organizing				12 hours	
Importance and Principles-Organizational Structure and Process-Line and staff authority – departmentalization –delegation of authority –centralization and decentralization –Change Management: Organizational Change –Change Factor-Organizational Change Management.						
Unit:4	Directing				12 hours	
Motivation – motivation theories – motivational techniques –Work Attitude and Behaviour: Job satisfaction – job enrichment – Leadership: Types and theories of leadership – communication – process of communication – barrier in communication – effective communication – Communication and IT-Organization Culture- Elements and types of culture- Managing cultural diversity.						

Unit:5	ManagementControl	12 hours
Control:- SystemandprocessofControlling-Requirementsforeffective control-TheBudgetas Control Technique - Information Technology in Controlling – Control Techniques- Control and planning- Types of Control– Reporting - Co-ordination; Principles in Control and Co ordination		
	TotalLecture hours	60 hours
TextBook(s)		
1	PrinciplesandPracticeofManagement,D.K.Tripathi,WisdomPublications, 2009	
2	PrinciplesofManagement,KumkumMukherjee, TataMcGrawHillEducationPvt. Ltd., 2010	
ReferenceBooks		
1	PrinciplesofManagement, DinkarPagare,SultanChandandSons,2006	
2	PrinciplesofManagement, P.C.Tripathi,P.V.Reddy,McGrawHillEducation,2012	
3	PrincipleofManagement,M.Govindarajan&S.Natarajan,PHILearningPrivate Learning., 2008.	
4	EssentialsofManagement,H.Koontz,H.Weihrich,andRamachandraAryasriA.,9st Edition, Tata McGraw -Hill Publishing Company Ltd., 2006.	
Relatedwebsites		
1	https://www.businessmanagementideas.com/management/principles-of-management-lecture-notes/7447	
2	https://www.tutorialspoint.com/management_principles/management_principles_tutorial.pdf	
CourseDesignedBy:Dr.N.Velmathi		

MappingwithProgrammeOutcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	M	L	M	S	S	S	M
CO2	M	L	M	S	S	S	M
CO3	M	L	M	S	S	S	M
CO4	M	L	M	S	S	S	M
CO5	M	L	M	S	S	S	M

*S-Strong;M-Medium;L-Low



Second Semester

Course Code	23A	FabricScience	L	T	P	C
Core		Paper III	4	-	-	3
Pre-requisite		Basicknowledgeintextilefibersandyarns	Syllabus Version		2025 - 2026	
CourseObjectives:						
Themainobjectivesof thiscourseareto:						
1. Learnthebasicsof weavingandKnitting processes						
2. Comparecharacteristicsofvariouswovenstructuresandunderstandthedifferences between them						
3. Compare characteristics of weft and warp knitted structures and understand their applications inapparel industry						
ExpectedCourseOutcomes:						
Onthesuccessful completionofthecourse,studentwillbeable to:						
CO1	Differentiatethepurpose ofvariouspreparatoryprocessesforweaving.					K2
CO2	Learnaboutformationofvariousfabricstructuresandtypesofloomsandanalyze the loomrequirements forvarious structures					K4
CO3	Learntheprincipleofknittingprocessandvariouselements ofweftknittingmachine					K2
CO4	Differentiatethecharacteristics ofbasicknitfabric structures					K3
CO5	DifferentiatetherequirementsforjacquardandFleecestructures,flatandwarpknitting Techniques					K2
K1-Remember;K2 -Understand; K3-Apply;K4-Analyze;K5-Evaluate;K6 –Create						
Unit:1		PreparatoryProcessforWeaving			12 hours	
Classificationoffabricformingmethods–Weavingpreparatoryprocesses anditsobjectives– Warping,SizingandDrawing–in.Passageofmaterialthroughaplainpowerloom– Primary,secondaryand auxiliarmotions ofaloom						
Unit:2		Looms			12 hours	
ClassificationofLooms.Shuttlelesslooms:Introduction-Advantages-Typesofshuttleless looms. Introductionto weaves –Plainweave andderivatives –Twill weavesandderivatives –Satin andsatteen weaves.						
Unit:3		Basics of Knitting			12 hours	
Comparisonofweaving andknitting-Principlesofweftandwarpknitting–Termsanddefinitions of weft knitting. Knitting machine elementsand description Classification of knitting machines-Yarn passage diagram of a circular knitting machine						
Unit:4		WeftKnit Structures			12 hours	
Knitting cycle of latch needle with sinker. Description of circular Rib and Interlock knitting machine–Characteristics of basic weft knit structures –Ornamentation of basic weft knit structures -Principal weft knit stitches. Knit, tuck and miss stitch formation and properties - Representation of weft knit stitches.						
Unit:5		FlatKnittingandWarp Knitting			12 hours	
JacquardandSpecialityKnitting:Needleselectiontechniques-Autostripes-TerryandFleece. FlatKnitting–Yarnpassagediagramofaflatknittingmachine–MechanicaltypeFlatknitting						

machine-Needlebed assembly–Racking, Carriage and Cam box arrangement. Introduction to warp knitting–Warp knitting terminologies. Introduction to non-woven	
Total Lecture hours	60 hours
Text Book(s)	
1	Knitting Technology, D.B. Ajgaonkar, Universal Publishing Corporation, 2006
2	Handbook of weaving, Sabit Adanur, SRC Press, 2009
Reference Books	
1	Knitting Technology Second Edition, David Spencer, Woodhead Publishing Ltd., 1989
2	Flat Knitting, Samuel Raz, Meisenbach Bamberg, 1993
3	Fabric Forming Systems, Peter Schwartz, Trevor Rhodes and Mansour Mohamed, Mahajan Publishers, 1996
4	Textile Fibre to Fabric, Bernard P. Corbman, McGraw Hill Publishers, 1983
Related websites	
1	https://nptel.ac.in/courses/116/102/116102005/
2	https://textilestudycenter.com/classification-of-loom/
3	https://www.textileflowchart.com/2015/04/flow-chart-of-warping-process.html
4	https://www.textileadvisor.com/2019/07/warping-process-direct-warping-process.html
5	http://textilefashionstudy.com/what-is-warping-objects-and-importance-of-warping/
6	https://www.textileschool.com/246/basics-weaving-woven-fabrics/
7	https://www.cottonworks.com/topics/sourcing-manufacturing/weaving/the-art-of-weaving-basic-functions-of-the-weaving-loom/#
8	https://www.onlineclothingstudy.com/2020/08/classification-of-knitting-machines.html
Course Designed By: Dr. P.P. Gopalakrishnan and Dr. D. Anita Rachel	

Mapping with Programme Outcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	S	S	M	L	L	L	M
CO2	S	S	M	L	L	L	M
CO3	S	S	M	L	L	L	M
CO4	S	S	M	L	L	L	M
CO5	S	S	M	L	L	L	M

*S-Strong; M-Medium; L-Low

Course Code	23B	Textile Colouration and Finishing	L	T	P	C
Core	Paper IV		4	-	-	3
Pre-requisite	Basic knowledge in textile fibres and their properties		Syllabus Version		2025 - 2026	
Course Objectives:						
The main objectives of this course are to:						
1. Describe basics of preparatory processes for textile colouration						
2. Describe the selection of dyes and machines for dyeing and printing of various fibres						
3. Elaborate about the various types of finishing available for weft knitted structures						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Define the process route for various textile materials					K3
CO2	Define the selection of machine and dyes for dyeing process					K2
CO3	Select the right method and technique for printing					K3
CO4	Identify the fabrics with various finished effects					K3
CO5	Understand the importance of ETP and merits of enzymes					K2
K1-Remember; K2 -Understand; K3-Apply; K4 -Analyze; K5-Evaluate; K6-Create						
Unit:1	Preparatory Processes				12 hours	
Water: water hardness – types - softening process: ion exchange –Lime Soda Process. Preparatory process sequence for Woven and Knitted fabrics. Preparatory process: Singeing – objectives, principles and methods - yarn and fabric singeing machines. Desizing methods. Scouring– scouring of coloured fabrics. Bleaching: hypochlorite and hydrogen peroxide bleaching –Fluorescent brightening agents. Mercerization						
Unit:2	Dyeing				12 hours	
Colour: Electromagnetic spectrum, classification of dyes. Dye bath Auxiliary chemicals. Dyeing of blended textiles. Features and working principles of processing machines: Cheese, jigger, jet and soft-over-flow machines. Padding mangles. Garment Dyeing Machines						
Unit:3	Printing				12 hours	
Differences between dyeing & Printing. Various methods of printing. Screen preparation. Styles of printing – direct, resist, discharge. Print paste ingredients. After treatments for printed textiles. Garment printing techniques						
Unit:4	Finishing				12 hours	
Introduction to finishing-objectives-Classification of finishing. Raising and Shearing: Compacting. Calendaring. Heat Setting. Types of garment washes: Stone Wash, Enzyme Wash, Bio-Polishing, Acid Wash. Sand Blasting.						
Unit:5	Machines & Effluent Treatment.				12 hours	
Application of enzymes in textile processing. Pollution-Treatment of Textile Effluents. Eco Labels & Norms. Introduction to computer colour matching system. Wool scouring and carbonizing –Silk Degumming.						
Total Lecture hours					60 hours	

TextBook(s)	
1	DyeingandChemicalTechnologyofTextileFibers(SixthEdition),E.R.Trotman,Charles Lubrecht&CramerLtd,1991
2	TextileColourationandFinishing,Warren.S.Perkins,CarolinaAcademicPress,Durham, North Carolina,1996
ReferenceBooks	
1.	Technologyof BleachingandDyeingofTextileFibresVol.1,Part–I,ChakravarthyRR And TrivediS.S,MahajanBookPublishers,1979
2.	TheBleachingandDyeingofCottonMaterial,PrayagR.S,Weaver’sServiceCent,1983
3.	ChemicalProcessingof SyntheticFibres andBlends,DatyeK.VandVaidhayA.A.,JohnWiley &Sons,NewYork. 1982
4.	ProcessingofManmadeFibres,MoscowUsenkoV,MIRPublishers,1975
5.	ColourforTextiles:AUser’sHandbook,WilfredIngamells,SocietyofDyersandColourists, 1993
6.	CellulosicDyeing,JohnShore, SocietyofDyersandColourists, 1995
Relatedwebsites	
1.	https://www.fibre2fashion.com/industry-article/3871/dyeing
2.	http://textilefashionstudy.com/process-flow-chart-of-dyeing-textile-materials-basic-structure-of-wet-processing-technology/
3.	https://www.contrado.co.uk/blog/printing-methods-differences/
4.	https://www.creative-enzymes.com/resource/Application-Of-Enzymes-In-Textile-Industry_62.html
5.	https://www.textileschool.com/503/industrial-enzymes-in-textile-production-and-application/
CourseDesigned By:Dr.P.P. Gopalakrishnan	

MappingwithProgrammeOutcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	S	S	M	L	L	L	M
CO2	S	S	M	L	L	L	M
CO3	S	S	M	L	L	L	M
CO4	S	S	M	L	L	L	M
CO5	S	S	M	L	L	L	M

*S-Strong;M-Medium;L-Low

Course Code	23P	FabricAnalysis Practical	L	T	P	C
Core	PracticalII		-	-	4	4
Pre-requisite	Basicknowledgeinknitting&weaving		Syllabus Version		2025 - 2026	
CourseObjectives:						
Themain objectives of this courseareto:						
1. Analyze the single jersey & double jersey weft knitted structures to determine the stitch density, loop length, Tightness factor, and to determine the cam order, needle order requirements						
2. Analyze the feeder striper & auto striper structures to determine the yarn requirements, and yarn feeding order in creel						
3. Analyzethe jacquardstructures to determinethe yarnrequirements, and to determinethe cam setting details						
4. AnalyzethewovenstructurestodeterminetheEPI,PPI,yarncount,yarncrimp&Cover factor, and to determine drafting order and peg planning						
ExpectedCourseOutcomes:						
Onthesuccessfulcompletion ofthecourse,studentwillbeableto:						
CO1	Analyze&Identifythetypeoffabricstructureandfabricparticularsforwoven Fabrics					K4
CO2	Evaluatethemachinerequirementsforproducingwovenfabric structures					K5
CO3	Analyze&Identifythetypeof fabricstructureand fabricparticularsfor knitted Fabrics					K4
CO4	Evaluatethemachinerequirementsforproducingknittedfabric structures					K5
CO5	Createafabricdesignforweaving/Knitting					K6
K1-Remember;K2 -Understand;K3-Apply;K4-Analyze;K5-Evaluate;K6 -Create						
Ex.No.1	Analyzethegivenknittedfabricsampleforthefollowingparticulars:					
CourseandWaleDensityB)LooplengthC)ArealDensity(GSM)D)TightnessFactorE) Technicalgraph F)CamorderG)Needle order						
Singlejerseyderivative–3samples					12 hours	
Doublejerseyderivatives-3 samples					12 hours	
Autostripe&Jacquard designs – 2 samples					8 hours	
Ex.No.2	Analyzethegivenwovenfabricsample(Plain,Twill,Satinand itsderivatives) for thefollowingparticularsanddrawthedesign,draftandpegplan					
A)EPIB)PPIC)Warp andWeftcrimp &countD)Cover Factor E)GSM						
Plainweave&itsderivative–3 samples					8 hours	
Satin&its derivative–2samples					10 hours	
Twillweave&its derivative-3 samples					10hours	
TotalLecture hours					60 hours	
TextBook(s)						
1	FabricStructureand Design,N.Gokarneshan,NewAgeInternationalPublishers,2008					
2	KnittingTechnology, AjgaonkarD.B,UniversalPublishingCorporation,1998					

ReferenceBooks	
1	KnittingTechnologySecondEdition, DavidSpencer,WoodHeadPublishingLtd.England 1989
2	FlatKnitting,SamuelRaz,MeisenbachBamberg, 1993
3	PrinciplesofWeaving,R.Marks,A.T.C.Robinson,TheTextileInstitute,Manchester,1976
Relatedwebsites	
1	https://www.textileschool.com/360/types-of-fabric-weaving-loom
2	https://textilelearner.blogspot.com/2013/08/woven-fabric-analysis-analysis-of-woven.html
3	https://www.textileflowchart.com/2014/12/process-flow-chart-of-weaving
CourseDesignedBy:Dr.P.P.Gopalakrishnan	

MappingwithProgrammeOutcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	S	S	M	L	L	S	S
CO2	S	S	M	L	L	S	S
CO3	S	S	M	L	L	S	S
CO4	S	S	M	L	L	S	S
CO5	S	S	M	L	L	S	S

*S-Strong;M-Medium;L-Low



Course Code	2AA	AccountingforManagers	L	T	P	C
Allied	Paper II		4	-	-	4
Pre-requisite	Basicknowledgeinnumericcalculations		Syllabus Version	2025 - 2026		
CourseObjectives:						
Themain objectives of this courseareto:						
1. Familiarizethestudentswithfinancialstatements,principlesofaccountinganddeveloptheir skills in reading annual reports.						
2. Providefoundationsfordevelopingtheskillsininterpretingfinancialstatementsformanagerial decisions.						
3. Acquaintthestudents withtheintricaciesofFinancialAccountingandManagementAccounting						
4. LearnaboutAccountingInformationSystem						
ExpectedCourseOutcomes:						
Onthesuccessfulcompletion ofthecourse,studentwillbeableto:						
CO1	Understandthe Fundamentalsofaccounting					K2
CO2	Learntopreparefinancial statements					K4
CO3	Learntoanalyzefinancialstatements					K4
CO4	Understandtheconceptofmanagementaccountingdecisionmakingandcarryout CVP & Ratio analysis					K3
CO5	UnderstandtheapplicationofTallyAccountingSoftware					K2
K1-Remember;K2 -Understand;K3-Apply;K4-Analyze;K5-Evaluate;K6 – Create						
Unit:1	Basics of Accounting				12 hours	
Accounting: Meaning, Need, Features, Book Keeping Vs Accounting; Accounting Equation; Double entry system of accounting, Accounting concepts, conventions; Branches of Accounting, Financial accounting; meaning, Features, Scope of Financial accounting - journal, Ledger & Trial balance.						
Unit:2	Financial Accounting				12 hours	
Preparationoffinalaccounts,Depreciation;meaning,Characteristics,Methods,Profitpolicies withDepreciation- Inventory; Meaning,Types,Importanceinventorymanagementinbusiness						
Unit:3	FinancialStatementAnalysis				12 hours	
FinancialStatements-MethodsofFinancialAnalysis-ComparativeStatements,TrendAnalysis, CommonsizeStatements.Advantages andLimitationsofFinancialStatementAnalysis.						
Unit:4	ManagementAccounting				12 hours	
ManagementAccounting;meaning,Importance,ManagerialAccountinginDecisionmaking BudgetarycontrolandCVPAnalysis-Ratio Analysis; meaning,importance, typesof Ratios						
Unit:5	AccountingInformationsystem				12 hours	
ApplicationofTALLYaccountingSoftware.Tallyversions,AdvantagesanddisadvantageofTally, company creation, select company, Alter company, shut company, ledger creation, voucher entry, Payrollpreparation						
				TotalLecture hours		60 hours
TextBook(s)						
1	AnIntroductiontoAccountancy,9thEdition,MaheshwariS.N&MaheshwariSK,Vikas Publishing House Pvt Limited, 2006					
2	FinancialAccounting,T.S.Reddy&A.MurthyMarghamPublications,2012					

ReferenceBooks	
1	EssentialsofFinancialAccountingAshishK.Bhattacharya,PHI,NewDelhi,2017
2	AtextbookofAccountingforManagement,1stEdition,MaheshwariS.N&MaheshwariSK Vikas Publishing House Pvt. Limited, 2012
3	FinancialAccountingforManagement,2ndEdition,AmbrishGupta,PearsonEducation, 2008
4	ManagementAccounting,Dr.R.Ramachandran,Dr.R.Srinivasan,SriramPublications,2013
5	ManagementAccounting,MurthyA,Gurusamy,STataMcGrawHillPublishingCo.Ltd, 2009
6	FinancialAccounting, R.L,Gupta,V.K.Gupta,Sultan, Chand&Sons, 2019
7	Financial&ManagementAccounting,J.C.Varshney,WisdomPublications,Delhi,2010
Relatedwebsites	
1	https://youtu.be/aZsyO7Lxgvo
2	https://www.accountingtools.com/accounting-for-managers
3	https://lecturenotes.in/subject/60/financial-accounting-fa
4	https://www.academia.edu/21069786/ACC_1311_Introduction_to_Financial_Accounting_Lecture_Notes
CourseDesignedBy:Dr.N.Velmathi	

MappingwithProgrammeOutcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	L	L	L	S	S	S	M
CO2	L	L	L	S	S	S	M
CO3	L	L	L	S	S	S	M
CO4	L	L	L	S	S	S	M
CO5	L	L	L	S	S	S	M

*S-Strong;M-Medium;L-Low



Third Semester

Course Code	33A	ApparelManufacturingTechnology	L	T	P	C
Core	PaperV		4	-	-	3
Pre-requisite	Basicknowledgeaboutapparel productionprocess sequence		Syllabus Version		2025 - 2026	
CourseObjectives:						
Themainobjectivesof thiscourseareto:						
1. Learnaboutmachinesusedforapparel making						
2. Learn abouttypesofmachinesusedforsewing						
3. Knowaboutgarment pressingand packing						
ExpectedCourseOutcomes:						
Onthesuccessfulcompletion ofthecourse,studentwillbeableto:						
CO1	Choosethe typesof machinesforspreading& cuttingand sewing					K2
CO2	Selectsuitablesewingmachinesforapparel production					K3
CO3	Classifythetypesofstitchesin sewing process					K3
CO4	Differentiatethetypesofmachineattachments insewing					K2
CO5	Learnaboutthegarmentpressingandpackingmethods					K2
K1-Remember;K2 -Understand;K3-Apply;K4-Analyze;K5-Evaluate;K6 –Create						
Unit:1	Spreading&Cutting				12 hours	
Introduction to garment manufacturing processes. Spreading machine: Types and working procedures. Cutting machines: Types of cutting machines and its application – Detailed study on bandknife,straighknife,roundknife&Diecuttingmachines.Computerizedcuttingmachines. Auxiliarycuttingdevices–Drills, notches.						
Unit:2	Sewing Machines				12 hours	
Classification of sewing machines & applications. Lockstitch machine - function & its types - Features of advanced lock stitch machines. Over lock machine - Function & its functions. Flat lock machines. Feeding mechanism, importance & Its types. Needle mechanism. Stitching mechanism. . Bartackingmachine.PicotingMachine.						
Unit:3	ClassificationofStitches				12 hours	
ConceptofStitch&itsclassification-Federalstandard&Britishstandards.Conceptofstitch geometry.DetailedstudyonStitchclasses anditsfunction–advantages and disadvantages						
Unit:4	Attachments				12 hours	
Requirements–Guides –Types(edge&curveguide)-Compensatingfoot-Specializedpresserfoot – Stitching jig- hem folders - Slack feeding and elasticsation – Cutting aids (threads, elastic andtapes)- Stacker.Simpleautomatics-Buttonhole–Buttonsew–Labelsewers.Typesandpartsof machineneedles–Needlesizes -Details ofstand,tableand motorforsewingmachines.						
Unit:5	Finishing				12 hours	
Introduction to various machines for garment finishing – Fusing – Sucking – Ironing - Packing. Pressing-Purposeofpressing–Categoriesofpressing-Themeansofpressing-pressingequipmentand methods-Iron and steam presses. Packaging-Types of package forms-Types of packaging materials- Qualityspecification of packaging materials-Merchandising Packaging-Shipment Packaging- Selectionofpackage design.						
TotalLecture hours					60 hours	

TextBook(s)	
1	TheTechnologyofClothingManufacture,HaroldCarrandBarbaraLatham,Blackwell ScienceLtd,England,1994
2	IntroductiontoClothingManufacture,GerryCooklin,Blackwell Science Ltd,England,1991
ReferenceBooks	
1	ClothingConstruction andWardrobePlanning,Dora.S.Lewis,MabelGoodeBowersand MariettaKettunen, TheMacmillanCompany:NewYork,1955
2	KnittedClothingTechnology,TerryBrackenbury,BlackwellScience Ltd,England,1992
Relatedwebsites	
1	https://ordnur.com/fabric-spreading/objects-of-fabric-spreading/
2	https://garmentmerchandising.com/fabric-spreading-process-in-apparel/
3	https://www.onlineclothingstudy.com/2017/03/different-types-of-industrial-sewing.html
4	http://www.jesseheap.com/index-folders-attachments.htm
5	https://www.atlatt.com/product-category/folders/
6	https://textilestudycenter.com/garment-finishing-pressing-flow-chart-of-garment-finishing/
CourseDesignedBy:Mrs.Arundhati Ghoshal	

MappingwithProgrammeOutcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	S	S	M	L	L	S	S
CO2	S	S	M	L	L	S	S
CO3	S	S	M	L	L	S	S
CO4	S	S	M	L	L	S	S
CO5	S	S	M	L	L	S	S

*S-Strong;M-Medium;L-Low

Course Code	33P	ManualPatternMakingPractical	L	T	P	C
Core	PracticalIII		-	-	4	3
Pre-requisite	Basicknowledgeingarmentmeasurements		Syllabus Version		2025-2026	
CourseObjectives:						
Themainobjectivesof thiscourseareto:						
1. Traininpreparingpatterns forvarious styles						
2. Enablethestudentstogradethepreparedpatternforvarious sizes						
ExpectedCourseOutcomes:						
Onthesuccessfulcompletion ofthecourse,studentwillbeableto:						
CO1	Understandthemeasurementchartandspecifications				K2	
CO2	Applythe knowledgeand draftthepattern				K2	
CO3	Setallowancesatvarious points				K3	
CO4	Createpatternanygiven measurement				K5	
CO5	Gradethepatternfor anysizefrombasic size				K5	
K1-Remember;K2 -Understand;K3-Apply;K4-Analyze;K5-Evaluate;K6 –Create						
Developpatternsand gradetovarioussizesforthefollowinggarments						
Ex.No.1	Men’sVestRNS				05 hours	
Ex.No.2	Men’sroundneckt-shirt.				05 hours	
Ex.No.3	Men’sPolot-shirt				05 hours	
Ex.No.4	Men’sHoodedt-shirt				05 hours	
Ex.No.5	Men’sRaglonT Shirt				05 hours	
Ex.No.6	Men’sKiminoSleeveTop				05 hours	
Ex.No.7	Men’sTrouser				05 hours	
Ex.No.8	Men’sBermudas				05 hours	
Ex.No.9	Men’sTrack Pant				05 hours	
Ex.No.10	Romber				05 hours	
Ex.No.11	BabaSuit				05 hours	
Ex.No.12	ALineFrock				05 hours	
Ex.No.13	LadiesBasicBodice				05 hours	
Ex.No.14	Ladies Top				05 hours	
Ex.No.15	LadiesSkirt				05 hours	
TotalLecture hours					75hours	
TextBook(s)						
1	Professionalpatternmakingfordesigners–women’sswearmen’scasualwear, Jack Handford,FairchildPublications, 2003					
2	Patternmakingforfashiondesign,HelenJosephArmstrong,PearsonPublications, 2003					
ReferenceBooks						
1	PatterncuttingforclothingusingCAD,Lectra&Modaris,M.Stott,WoodheadPublishing, 2012					

Relatedonlinecontent	
1	https://www.textileschool.com/293/pattern-making
2	https://www.thecreativecurator.com/pattern-making
CourseDesigned By:Ms.B.Jeyanthi	

MappingwithProgrammeOutcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	S	S	S	L	L	S	S
CO2	S	S	S	L	L	S	S
CO3	S	S	S	L	L	S	S
CO4	S	S	S	L	L	S	S
CO5	S	S	S	L	L	S	S

*S-Strong;M-Medium;L-Low



Course Code	33Q	ComputerAidedPatternMakingPractical	L	T	P	C
Allied	PracticalI		-	-	4	3
Pre-requisite	Basicknowledgein garment measurements&useof computer		Syllabus Version		2025-2026	
CourseObjectives:						
Themainobjectivesof thiscourseareto:						
1. Traininpreparingpatterns usingpatternCADsoftwareforvarious styles						
2. Traininggradingpatternsforvariousizes						
3. Trainin preparingmarkerwithmaximumefficiency						
ExpectedCourseOutcomes:						
Onthesuccessfulcompletion ofthecourse,studentwillbeableto:						
CO1	Preparepatternforvariousgarmentstylesasperthemeasurementchartusing CADsoftware					K5
CO2	Gradethepatternsforvarious sizes					K5
CO3	Alignthepattern partsasperfabricgrainand preparemarker plan					K3
CO4	Increasemarkerefficiencybyimprovedpatternplacement					K3
CO5	Estimatinglaylengthandcalculatingmarkerefficiency					K2
K1-Remember;K2 -Understand;K3-Apply;K4-Analyze;K5-Evaluate;K6 –Create						
CADsoftwareisusedtopracticethefollowingstylesmentioned,						
1.CreatePattern oncomputerscreen, addingdetails topatterns.						
2.Digitizing,saving,extracting&editingpatternsfromstocklibraryof Patterns.						
3.Gradingpatternsondifferentsizescale.						
4.MakingMarkerplanforcutting fabrics.						
5.Estimatinglaylength andcalculatingmarkerefficiency.						
6.Fitanalysisofthegivenpatternusing3DCADsoftware.						
-	Demonstrationoftoolsanditsapplication					05 hours
Ex.No.1	Men’sBasicTShirt					05 hours
Ex.No.1	Raglanwith Pocket					05 hours
Ex.No.3	Men’sPolo TShirt					05 hours
Ex.No.4	Men’sTrouser					05 hours
Ex.No.5	Men’sT-Shirtwithhood					05 hours
Ex.No.6	Men’sInnerGarment–VestsRN/RNS					05 hours
Ex.No.7	LadiesSkirt					05 hours
Ex.No.8	Women’sNighties					05 hours
Ex.No.9	Kid’sWear–Romber					05 hours
Ex.No.10	Kid’sWear–ALine frock					05 hours
Ex.No.11	Children’sSuitsandPyjama					05 hours
TotalLecturehours					60 hours	
TextBook(s)						
1	Professionalpatternmakingfordesigners–women’swearmen’scasualwear,JackHandford, FairchildPublications, 2003					
2	Patternmakingforfashiondesign,HelenJosephArmstrong,PearsonPublications,2003					

ReferenceBooks	
1	PatterncuttingforclothingusingCAD,Lectra&Modaris,M.Stott,WoodheadPublishing, 2012
Relatedonlinecontent	
1	https://www.textileschool.com/293/pattern-making
2	https://www.thecreativecurator.com/pattern-making
CourseDesigned By:Mr.P. Murugan	

MappingwithProgrammeOutcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	S	S	S	L	L	S	S
CO2	S	S	S	L	L	S	S
CO3	S	S	S	L	L	S	S
CO4	S	S	S	L	L	S	S
CO5	S	S	S	L	L	S	S

*S-Strong;M-Medium;L-Low



Course Code	3ZA	FashionCommunication	L	T	P	C
SkillBasedSubject		SkillBasedSubjectI	4	-	-	3
Pre-requisite	Basicknowledgeinfashionconcepts		Syllabus Version		2025 - 2026	
CourseObjectives:						
Themain objectivesofthis courseareto:						
1. Learnaboutprinciplesoffashioncommunication						
2. Learnaboutfashionforecasting&styling						
3. Knowaboutpromotionandgarment displays						
ExpectedCourseOutcomes:						
Onthesuccessfulcompletion ofthecourse,studentwillbeable to:						
CO1	Learnaboutthebasicsof designprinciples				K2	
CO2	Learnaboutforecastingtechniques				K3	
CO3	Learnaboutthefashion styling&its elements				K3	
CO4	Listoutthevarious fashion promotiontechniquesand its implications				K2	
CO5	Differentiatethetypesof productdisplays				K2	
K1-Remember;K2 -Understand;K3-Apply;K4-Analyze;K5-Evaluate;K6 -Create						
Unit:1	DesignPrinciples		09 hours			
DesignPrinciplesandElements–PerspectiveandApplicationtoApparel andLifestyleproducts						
Aesthetics–Concepts androleinDesignandEnvironment.FactorsinfluencingAesthetics.						
Unit:2	FashionForecasting		09 hours			
Fashion Forecasting –Introduction Forecasting considering Fashion Cycle as a prelude. Study of Consumer Behavior Fashion Forecasting Process. Forecasting of colour, forecasting of fabrics, ForecastingofSilhouettes.ForecastingofTrend.UsingvariousresourcesforInterpretationof FashionForecasting.						
Unit:3	FashionStyling		09 hours			
Fashionstyling-Communicateyour ideasusing fearsheets, storyboards,moodandconceptboards, testing, writing caption and team production. Elements of style– accessing styles and trends, Elements of style, achieve visual balance, making trends. Working with colour – colour combination,colourwheel,colourcharacteristics,simultaneouscontrasts,lightsandcolour. CreatingFashionStory–Targetmarket,FashionStory,buildingmoodandvisualpresentation						
Unit:4	FashionPromotion		09 hours			
Fashionpromotion-Advertising–definition,benefits,ethicalissuesinadvertising.Advertising models,advertisingmedia,advertisingappropriationProduction,creativestrategy,fashion advertising,fashionpromotion.Visualmerchandisinginfashioncommunication.						
Unit:5	Display		09 hours			
Introduction to 3D Introduction to space and types of spaces. Introduction to graphics and signage design for display and exhibition. Develop understanding of equipment and machinery and their limitations. Window display and Window Dressing.						
		TotalLecture hours			45 hours	

TextBook(s)	
1	Fashionascommunication,BarnardM,Routledge&CRC Press,2002
2	InsidetheFashionBusiness,6thEdition,JeannetteJarnow,FashionInstituteofTechnology Kitty G. Dickerson, University of Missouri, Columbia, Pearson, 1997
3	TheDynamics ofFashion,ElaineStone,FairchildBooks,2009
ReferenceBooks	
1	Fashion,Media,Promotion:TheNewBlackMagic,JayneSheridan,JohnWileyandSons, 2013
2	FashionForecasting:Research,AnalysisandPresentation. 2nded.New York,NY:Brannon, E.L.FairchildPublishing,INC.2005
Relatedonlinecontent	
1	https://www.studocu.com/en-gb/document/manchester-metropolitan
2	https://www.ied.edu/milan/fashion-school/master-courses/fashion-communication-and-styling/MPA1354I
CourseDesignedBy:Dr.P.P.GopalakrishnanandDr.D.AnitaRachel	

MappingwithProgrammeOutcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	S	L	M	L	S	L	L
CO2	S	L	M	L	S	L	L
CO3	S	L	M	L	S	L	L
CO4	S	L	M	L	S	L	L
CO5	S	L	M	L	S	L	L

*S-Strong;M-Medium;L-Low



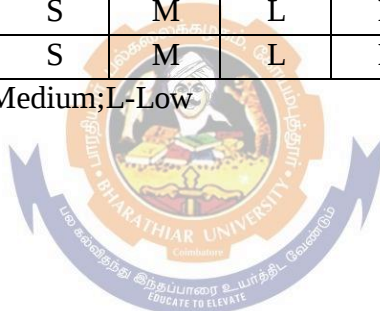
Fourth Semester

Course Code	43A	Apparel Quality Assurance	L	T	P	C
Core	Paper VI		4	-	-	3
Pre-requisite	Basic knowledge in textile fibres, yarns & fabrics		Syllabus Version	2025 - 2026		
Course Objectives:						
The main objectives of this course are to:						
1. Instruct about various test for yarns, fabrics & garments						
2. Describe about various levels of inspection & its procedure in apparel production						
3. Describe about various norms & standards followed in testing and inspection						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Understand the testing procedure for various yarn parameters					K2
CO2	List out the specifications for various woven & knitted fabrics					K2
CO3	Differentiate the various systems used for fabric inspection					K3
CO4	List out the possible defects and its causes in apparel production					K2
CO5	Differentiate the categories of defects in garment and the various standards followed in apparel testing					K4
K1-Remember; K2 -Understand; K3-Apply; K4-Analyze; K5-Evaluate; K6 -Create						
Unit:1	Yarn Testing			12 hours		
Importance of Quality. Quality terminologies. Testing: Objectives of Testing - atmospheric conditions for testing lab. Identification of textile fibres. Yarn numbering systems – Determination of yarn count. Yarn strength testing & CSP. Testing of yarn evenness, yarn twist & Hairiness measurement						
Unit:2	Fabric Testing			12 hours		
Knitted fabric specifications – Testing of Dimensional stability, Spirality & Bowing. Testing of Colour fastness to washing, rubbing, perspiration & light - Grey scales and ratings. Brief study about testing of woven fabric.						
Unit:3	Raw material Inspection			12 hours		
Inspection: Definition - Types of Inspection. Raw materials inspection: fabric inspection systems & Testing of Sewing thread, zippers, Buttons.						
Unit:4	In process inspection			12 hours		
In process inspection and its significance in apparel quality. Defects in Sewing, Ironing & Packing. Testing of Seam strength & seam slippage						
Unit:5	Final Inspection & Standards			12 hours		
Final inspection procedures. Categories of defects. Package quality testing – care labels. Brief Study about Testing Standards. Brief study about Oeko-Tex Standards.						
			Total Lecture hours		60 hours	
Text Book(s)						
1	Physical Testing of Textiles, 1st Edition, BPSaville, Woodhead Publishing, 1999					
2	Managing Quality in Apparel Industries, Pradeep V Metha & Satish K. Bhardwaj, NIFT, 1998					

ReferenceBooks	
1	Stamper,Evaluatingapparelquality, SueHumphriesSharp, LindaDonnell&AnithaA Fairchild Books, 1991
2	TextileTesting,Arindam Basu,SouthIndiaTextileResearchAssociation,2006
Relatedwebsites	
1	http://textilemerchandising.com/quality-assurance-and-quality-control/
2	https://insight-quality.com/garment-quality-control-procedures/
3	https://garmentsmerchandising.com/acceptable-quality-level-apparel-industry/
4	http://texhour.com/aql-and-type-of-defects
CourseDesignedBy:Dr.P.P.GopalakrishnanandMrs.AnitaRachel	

MappingwithProgrammeOutcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	S	S	M	L	L	L	S
CO2	S	S	M	L	L	L	S
CO3	S	S	M	L	L	L	S
CO4	S	S	M	L	L	L	S
CO5	S	S	M	L	L	L	S

*S-Strong;M-Medium;L-Low



Course Code	43P	StitchesandSeamsPractical	L	T	P	C
Core		Practical IV	-	-	6	3
Pre-requisite	Basicknowledge inpatternmaking&sewing		Syllabus Version		2025 - 2026	
CourseObjectives:						
Themainobjectivesof thiscourseareto:						
1. Enablethestudents togetpracticedinSingleNeedleLockStitchmachine						
2. Preparethevarioustypesstitchesandseams						
3. Preparecomponentsofagarmentsuchascollars,plackets, pockets&necklines						
ExpectedCourseOutcomes:						
Onthesuccessfulcompletion ofthecourse,studentwill beableto:						
CO1	Preparethesampleswithvarious typesofstitches					K6
CO2	Preparethesampleswithvarious typesofseams					K6
CO3	Constructdifferenttypesofnecklines,pockets& sleeves					K6
CO4	Constructdifferenttypesofplackets					K6
CO5	Constructdifferenttypesofcollars					K6
K1-Remember;K2 -Understand;K3-Apply;K4-Analyze;K5-Evaluate;K6 -Create						
Ex.No.1	PracticeonSingleNeedleLockStitchmachineforgivenpaper/fabricexercise– Straightlines,curves, squares,rectangles, trianglesand anyotherirregular shapes					12 hours
Ex.No.2	Prepareatleastfivedifferentstitchesandseamsamplesbyusingdifferentsewing machinesand furnishthethreadingdiagramalongwithstitchdensityand thread consumption details.					12hours
Ex.No.3	Developingseamsofvarioustypes-superimposed,bound,lapped,flatfeltand piping.					06 hours
DraftthePattern,Cut &ConstructTheFollowingComponentsForTheGiven Measurement						
Ex.No.4	DifferentNeckLines(At Least3Types)					09 hours
Ex.No.5	DifferentCollars(AtLeast3Types)					09 hours
Ex.No.6	DifferentSleeves (AtLeast 3Types)					09 hours
Ex.No.7	DifferentPlackets (AtLeast3Types)					09 hours
Ex.No.8	DifferentPockets(AtLeast 3Types)					09 hours
	TotalLecturehours					75hours
	TextBook(s)					
1	TheTechnologyofClothingManufacture,HaroldCarr&BarbaraLathamBlackwell Sciences,1996					
2	ApparelManufacturingHandbook:Analysis,PrinciplesandPractice,JacobSolinger, BobbinMediaCorporation,1988					
3	ApparelManufacturingSewnProductAnalysis,RuthE.GlockandGraceI.Kunz,Pearson PrenticeHall,2005.					

ReferenceBooks	
1	SewingfortheApparelIndustry,ShaefferClaire,PrenticeHall,NewJersey,2001.
2	ANewLook at ApparelMechanization,TechnicalAdvisoryCommitteeofAAMA,1978.
RelatedOnlinecontent	
1	https://joyfulbunny.com/20-sewing-tutorials-for-beginners
2	https://www.positivelysplendid.com/easy-sewing-projects-for-beginners
CourseDesignedBy: Mrs.R. Sneha	

MappingwithProgramme Outcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	S	S	S	L	L	S	S
CO2	S	S	S	L	L	S	S
CO3	S	S	S	L	L	S	S
CO4	S	S	S	L	L	S	S
CO5	S	S	S	L	L	S	S

S-Strong;M-Medium;L-Low



Course Code	43Q	TextileTestingPractical	L	T	P	C
AlliedPaper		PracticalII	-	-	4	2
Pre-requisite		Basicknowledgeinqualityparameters of fibres,yarns&fabrics	Syllabus Version		2025-2026	
CourseObjectives:						
Themainobjectivesof thiscourseareto:						
1. Impartlearninginfibreidentificationtests						
2. Impartlearningintestingofyarnparameters						
3. Impartlearninginvariousphysical&chemical testingof fabrics						
ExpectedCourseOutcomes:						
Onthesuccessfulcompletion ofthecourse,studentwillbeableto:						
CO1	Evaluate&identifythefibrecomposition ina given blend					K5
CO2	Evaluatetheyarnqualityparameterssuchascount,strength & twist					K5
CO3	Evaluatethefabricqualityparameterssuchas CRA,drapability&CRA					K5
CO4	Evaluatethefabriccolourfastness towashing, rubbing& perspiration					K5
CO5	Evaluatethefabricdimensionalstability					K5
K1-Remember;K2-Understand;K3-Apply;K4-Analyze;K5-Evaluate;K6 -Create						
Ex.No.1	Determinationofcountofyarnusingwrapreel&weighingscale					05 hours
Ex.No.2	Determination ofleastrength &CSPusingleastrengthtester					05 hours
Ex.No.3	Determinationofyarncountfromfabricswatchusingbeesleybalance.					05 hours
Ex.No.4	Determinationoftwistof singleyarnusingelectronic twisttester.					05 hours
Ex.No.5	IdentificationofFibreusingmicroscopeandbychemical test.					05 hours
Ex.No.6	DeterminationofCRAoffabricusingcreaserecover tester.					05 hours
Ex.No.7	Determinationofcolourfastnessofgivensampletowashingbyusing Launderometer.					05 hours
Ex.No.8	Determinationofcolourfastnessofgivensample to rubbingbyusing crockmeter					05 hours
Ex.No.9	Determinationofcolourfastnessofgivensampletoperspiration byusing perspirometer					05 hours
Ex.No.10	Determinationofdimensionalstability%ofagivenfabric/garmentto washing.					05 hours
Ex.No.11	Determinationoffabricdrapeabilityusingdrape meter					05 hours
Ex.No.12	Determinationoffabricburstingstrength					05 hours
		TotalLecture hours				60 hours
TextBook(s)						
1	PrinciplesofTextileTesting:AnIntroductiontoPhysicalMethodsofTestingTextileFibres, Yarns and Fabrics, J. E. Booth, Butterworths, 1986					
ReferenceBooks						
1.	HandbookofTextileTestingandQualityControl.ElliotB.GroverandD. S.Hamby.Textile BookPublishers(Interscience),NewYork,1960					

Online content	
1	https://textilefocus.com/textile-testing-methods-based-iso-standard
2	https://www.qima.com/testing/textile-fabric/physical-testing-textiles
CourseDesignedBy:Dr.P.P.GopalakrishnanandDr.D.Anita Rachel	

MappingwithProgrammeOutcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	S	S	L	L	L	L	S
CO2	S	S	L	L	L	L	S
CO3	S	S	L	L	L	L	S
CO4	S	S	L	L	L	L	S
CO5	S	S	L	L	L	L	S

S-Strong;M-Medium;L-Low



Coursecode	4ZB	ApparelCosting	L	T	P	C
SkillBased Subject		PaperII		4	-	3
Pre-requisite	Basicknowledgeingarmentproduction processes		Syllabus Version		2025-2026	
CourseObjectives:						
Themainobjectivesof thiscourseareto:						
1. Impartlearningaboutprinciplesofcostingandbudgeting						
2. Impartlearningaboutcostingprocedureforvariousgarment styles						
3. Impartlearningabout costingprocedureforexport anddomesticproducts						
ExpectedCourseOutcomes:						
Onthesuccessfulcompletion ofthecourse,studentwillbeableto:						
CO1	Understandtheelementsofcostinpricing apparels					K2
CO2	LearnabouttheBudgetingprocess					K2
CO3	Learnaboutthecostestimationtechniques forvarious fabrics					K4
CO4	Evaluatethefactorycostofthegarment					K5
CO5	Learn aboutthepricingofgarments					K3
K1-Remember;K2 -Understand;K3-Apply;K4-Analyze;K5-Evaluate;K6 –Create						
Unit:1						
Unit:1		ElementsofCost			9 hours	
Elementsofcost -directand indirectcosts– overheads.Typesof overheads, primecost– productioncost –factory cost -totalcost.Introductiontogarmentcostestimation.						
Unit:2		Fabriccosting			9 hours	
Cost estimation of knitting, dyeing, printing &finishing. CostestimationofweavingWoven Fabric Costing. Calculations.						
Unit:3		ApparelproductionCostEstimation			9 hours	
Cost estimation for cutting, stitching, checking, packing,forwarding,shipping,andinsurance. Calculations.						
Unit:4		FactoryCost Estimation			9 hours	
Estimation of factory cost for Woven & Knitted - vest, briefs, shorts, t-shirts, pajamas, children’s wear,ladieswear,WovenShirt,WovenTops&Bottom.						
Unit:5		INCOterms			9 hours	
INCO terms & its relationship with costing.Varioufactorstobeconsideredin costingfordomesticproducts&internationalproducts.precostingandpostcosting.						
		TotalLecture hours			45hours	

TextBook(s)	
1	Apparel Costing, M.Krishnakumar, Abhishek Publications 2015
2	Apparel Costing, Andrea Kennedy, Andrea Reyes, Francesco Venezia, Bloomsbury Visual Arts, 2020
Reference Books	
1	Apparel Costing, A functional Approach, Krishnakumar, M, Abishek Publications, Chandigarh, 2012
Related websites	
1	https://www.toppr.com/guides/fundamentals-of-accounting/fundamentals-of-cost-accounting/elements-of-cost/
2	https://corporatefinanceinstitute.com/resources/knowledge/finance/budgeting/
3	https://efinancemanagement.com/budgeting
4	https://theinvestorsbook.com/pricing-methods.html
5	https://www.yourarticlelibrary.com/marketing/pricing/pricing-objectives-top-5-objectives-of-pricing-explained/48639
Course Designed By: Mr. K. Balamurugan	

Mapping with Programme Outcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	S	L	L	L	M	S	S
CO2	S	L	L	L	M	S	S
CO3	S	L	L	L	M	S	S
CO4	S	L	L	L	M	S	S
CO5	S	L	L	L	M	S	S

*S-Strong; M-Medium; L-Low



Fifth Semester

Course Code	53A	ApparelMerchandising	L	T	P	C
Core		Paper VII		4	-	3
Pre-requisite	Basicknowledgeingarmentproductionprocesses		Syllabus Version	2025-2026		
CourseObjectives:						
Themainobjectivesof thiscourseareto:						
1. Instructaboutroles&responsibilitiesofmerchandiser						
2. Describeaboutplanning&programminginexecutionofanorder						
3. Describeabouttypesofapprovalstobe given						
ExpectedCourseOutcomes:						
Onthesuccessfulcompletion ofthecourse,studentwillbeableto:						
CO1	Understandthe functions of merchandiser					K2
CO2	Doplanning & programming					K3
CO3	Decidethetypesofapprovals required&inspectionprocedures fora garment					K3
CO4	Listoutthedocuments to beprepared					K2
CO5	Gainknowledgeonproductpromotion					K2
K1-Remember;K2 -Understand;K3-Apply;K4-Analyze;K5-Evaluate;K6 -Create						
Unit:1	IntroductiontoMerchandising			12 hours		
Merchandising: Introduction, Meaning- Apparel Merchandising – Concepts of „Six Rights“ – Organisation structure of an apparel industry – Classification of Exporters - Rating or Grading of export houses – Classification of buyers – Export merchandising and retail merchandising – Companyprofileanditscontents.Typesofmerchandiser-Functionsofamerchandiser–Essential requisitesofagood merchandiser – Vendorsourcing, evaluation and development – Global sourcing–Vendornomination bybuyers– Reasonsforvendornomination.						
Unit:2	Planning&Programming			12 hours		
Process flow in apparel industry – Buyer sourcing & communication – Enquiry – Order confirmation – order review and its importance – Planning & programming: Master planning, Scheduling or route card – Factors for route card - programming for yarn, knitting, dyeing, stitching,sampling,accessories–Samples:Meaning&importance–Typesofsamples– expeditionof samples						
Unit:3	Approvals&Inspection			12 hours		
Checkpointsbeforecutting-Pilotrunortrialrunanditsimportance–Approvals-Typesof approvals – Shipping marks – Final inspection procedures – Self, Second- and Third-party inspection - Effective expedition procedures.						
Unit:4	OrderSheet&Documentation			12 hours		
Order sheet and its contents – Packing list and its contents – Document formats: order sheet, packing list, invoice, inspection and testing reports etc., - Assortment and its types. Documents recordingandmaintenance–Claimsandreasonsforclaims-Factoryaudits–Buyer’scodeof conducts.						
Unit:5	ProductPromotion			12 hours		
Advertising-scope,importance,types, merits&demerits;salespromotion,personalselling.Retail						

management. Export associations – Apparel Export Promotion Council – Journals and magazines related to apparel and textiles – Trade shows and Fairs – Participation in trade shows – Advantages of trade shows and fairs – Apparel & Textile Trade shows and fairs in India.	
Total Lecture hours	60 hours
Text Book(s)	
1	Apparel Merchandising, Jerry A & Rosenau, Fairchild Publications, London, 2014
2	Apparel Merchandising, An integrated Approach, Krishnakumar, M, Abishek Publications, 2010
Reference Books	
1	Apparel Merchandising, Robin Mathew, Book Enclave Publishers, Jaipur, 2008
2	Building Buyer Relationships, Daragh O-Reilly & Julian J Gibas, Macmillan India Ltd, 1999
3	Fashion merchandising an introduction, Elaine Stone & Jean A. Samples, New York: Gregg Division, McGraw-Hill, 1985.
Related websites	
1	https://www.fibre2fashion.com/industry-article/5743/merchandising-in-an-apparel-industry
2	https://www.onlineclothingstudy.com/2011/12/functions-of-production-planning-and.html
3	http://texhour.com
4	https://www.feedough.com/what-is-advertising-advertising-objectives-examples-importance/
Course Designed By: Mr. K. Balamurugan	

Mapping with Programme Outcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	S	S	L	L	L	S	M
CO2	S	S	L	L	L	S	M
CO3	S	S	L	L	L	S	M
CO4	S	S	L	L	L	S	M
CO5	S	S	L	L	L	S	M

*S-Strong; M-Medium; L-Low

Course Code	53B	IndustrialEngineering	L	T	P	C
Core		PaperVIII		4	-	4
Pre-requisite	Basicknowledgeinapparelsewingprocesses, Productivity conceptsandproductionsystems		Syllabus Version	2025-2026		
CourseObjectives:						
Themainobjectivesof thiscourseareto: 1. Impartlearningaboutconceptof IE 2. Impartlearningabouttheneedformethodstudyandtimestudyforproductivity improvement 3. Impartlearningabout thebottleneckmanagement						
ExpectedCourseOutcomes:						
Onthesuccessfulcompletion ofthecourse,studentwillbeableto:						
CO1	Understandthebasicconcepts of IE					K2
CO2	Domethodstudyandcalculatestandard time					K4
CO3	Doproductioncalculations					K3
CO4	CaptureNPTandimplementmethodsforproductionefficiencyimprovement					K3
CO5	OptimizeMMR and setlineforproductchange					K3
K1-Remember;K2 -Understand;K3-Apply;K4-Analyze;K5-Evaluate;K6 – Create						
Unit:1						
Unit:1		IndustrialEngineeringConcept	12 hours			
Introduction–ConceptofIndustrialEngineering,definition,history&development,various techniquesofIndustrial Engineering,ScopeinTextiles						
Unit:2		MethodStudy	12 hours			
Method Study: Movements – Rules of right and wrong movements – Stages — Work stationlayout -Principles of Work station layout – Method study procedure – Method improvements tools Time Study procedure: Introduction to work measurement – Time study procedure – Performance rating–NormalTime–Allowancesanditsdifferenttypes–DerivingStandardTime(SAM/ SMV)						
Unit:3		Productioncalculations	12 hours			
Standard Time calculation practice – Time study sheet – Capacity calculation procedure and the practice – Efficiency calculation and the practice – Potential production pieces calculation and the practice. Introduction to group process and its importance –Need of group process improvement – Itsimpactinfactorycostingandperformanceimprovement						
Unit:4		Takttime concept	12 hours			
– Importance of takt time in lean methodology –Bottle neck management Importance of bottleneck management – Impact of un-balanced/ balanced line – Different bottle neck management techniques and its cost impact – Factors affecting production efficiency. Introduction to Non-productive Time (NPT) – Capturing Non-productive time – Machine break time – Feeding delays– Style changeover time – Rework impact in production efficiency – Methods of operator and the skill level						

Unit:5		Man–MachineRatio (MMR)	12 hours
Procedure to derive actual MMR – Importance of MMR —Self checking – Self trimming concept– Staff allocation using MMR Concept Operator Skill Matrix– Capacity Vs. Actual production difference – Skill demand analysis – Potential skill gap identification –Line setting: Style changeover – Style changeover techniques using SMED concept – Procedure in SMED concept – Internal and external timing – Time allocation for each operation – Capturing of line setting time, throughput time and its analysis–Zero hour output strategy			
		TotalLecture hours	60 hours
TextBook(s)			
1	IndustrialEngineeringin ApparelProduction:V.RameshBabu,WoodheadPublishing India, 2011		
2	IndustrialEngineeringManualfortheTextileIndustry, Enrick,NorbertLloyd,R.E.Krieger Pub. Co., 1978		
ReferenceBooks			
1	Maynard`sindustrial engineeringhandbook5 th Edition,KjellB.Zandin,McGrawHill,2001		
2	Industrialengineeringandmanagement,Khanna, O.P,DhanpatRaiPublications,2018		
Relatedwebsites			
1	https://onlinegarmentsacademy.blogspot.com/2019/08/industrial-engineering-ie-apparel.html		
2	https://garmentsmerchandising.com/process-flow-chart-of-industrial-engineering-ie/		
3	https://www.goldnfiber.com/2019/07/importance-of-industrial-engineering-in-apparel-industry.html		
4	https://apparelresources.com/business-news/manufacturing/ie-apparel-manufacturing-method-improvement-method-study/		
5	http://work-study.info/method-study-in-apparel-industry/		
6	https://texeducation.wordpress.com/2014/04/12/time-study-in-industrial-engineering-rmg/		
7	https://www.onlineclothingstudy.com/2011/11/how-to-calculate-production-capacity-of.html		
8	https://leanstitch.com/industrial-engineering-calculations-garment-production-factory/		
CourseDesigned By: Dr.P.P. Gopalakrishnan			

Mapping with Programme Outcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	S	S	M	L	M	M	S
CO2	S	S	M	L	M	M	S
CO3	S	S	M	L	M	M	S
CO4	S	S	M	L	M	M	S
CO5	S	S	M	L	M	M	S

*S-Strong; M-Medium; L-Low

Course Code	53P	Garment Construction I Practical	L	T	P	C
Core	Practical V		-	-	5	4
Pre-requisite	Basic knowledge in pattern making & sewing		Syllabus Version	2025-2026		
Course Objectives:						
The main objectives of this course are to:						
1. Train & Get practice on use of various types of sewing machines						
2. Cut fabric as per pattern & construction of garment						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Work on various types of sewing machines				K4	
CO2	Decide & choose suitable sewing machines for construction				K4	
CO3	Set the machine as per quality requirements				K5	
CO4	Sew the parts as per specification				K6	
CO5	Identify causes for defects and able to rectify it				K5	
K1-Remember; K2 -Understand; K3-Apply; K4-Analyze; K5-Evaluate; K6 –Create						
Top practice and learn the construction of various styles of garment						
Men's wear						
Ex.No.1	Men's Vest RNS				07 hours	
Ex.No.2	Men's round neck t-shirt.				07 hours	
Ex.No.3	Men's Boxer shorts				07 hours	
Kidswear						
Ex.No.4	Romper				07 hours	
Ex.No.5	Baba Suit				07 hours	
Ex.No.6	A Line Frock				08 hours	
Women's wear						
Ex.No.7	Ladies Basic Bodice				08 hours	
Ex.No.8	Nighties				08 hours	
Ex.No.9	Ladies Skirt				08 hours	
Ex.No.10	Leggings				08 hours	
			Total Lecture hours		75 hours	
Text Book(s)						
1	Illustrated Guide to Sewing: Garment Construction: A Complete Course on Making Clothing for Fit and Fashion Paperback, Colleen Dorsey, Fox Chapel Publishing, 2011					
Reference Books						
1	Clothing Construction, Clara M Brown, Read Books Publishers, 1934					
2	Garment construction skills, Premlata Mullick, 2017					

RelatedOnlinecontent	
1	https://www.textileschool.com/258/garment-construction-techniques
2	https://www.youtube.com/watch?v=n0c2TY5JKI4
CourseDesignedBy: Mrs.R.Sneha	

MappingwithProgrammeOutcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	S	S	M	L	L	S	S
CO2	S	S	M	L	L	S	S
CO3	S	S	M	L	L	S	S
CO4	S	S	M	L	L	S	S
CO5	S	S	M	L	L	S	S

*S-Strong;M-Medium;L-Low

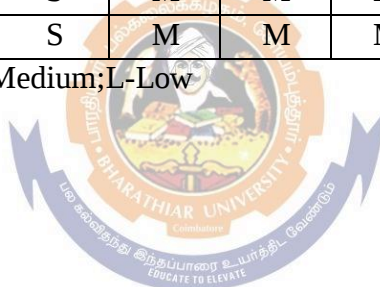


Course Code	57V	Internship and Viva Voce	L	T	P	C
		Project Viva Voce	-	-	10	4
Pre-requisite	Basic knowledge in apparel production processes		Syllabus Version	2025-2026		
Course Objectives:						
The main objectives of this course are to:						
1. Document the completed details about the processes in apparel production & related field						
2. Analyze and interpret the information gathered						
3. Prepare a report and make a presentation						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Break-down the process into various activities					K3
CO2	Document the details of the activities					K3
CO3	Prepare the requirements for each process and cost details					K4
CO4	Develop a suitable method					K6
CO5	Prepare the reports and presentations in the specified format.					K3
K1-Remember; K2 -Understand; K3-Apply; K4-Analyze; K5-Evaluate; K6 -Create						
INTERNSHIP GUIDELINES						
The students have to undergo full day training in Spinning/weaving/Knitting/Dyeing/Printing / Finishing/ Washing / Sewing and relate areas of apparel production. Visit to industry should be such that it covers the most of these segments of apparel industry and the time spent in each segment should also be uniform.						
Students can undergo individually or a batch of maximum 4 nos. only will be allowed for training. Training can be planned for stretch of 3 weeks in mid of semester or 2 days per cycle of 6 days.						
The faculty in charge will give all the formats and guidelines for preparing report.						
The students have to record all the required information and observations during training and submit a rough copy within 5 days after completion of training.						
Students have to submit the attendance copy and performance card to the faculty in charge, obtained from the respective authority of company with seal and signature. Standard format for the above documents will be given by the department. The report format and request letter from the Department should be collected by the students from the Department before the start of the training.						
Student must present for review meeting to assess the progress conducted during training period. The students will be assessed based on their Training report, Viva-Voce examination and the PPT presentation by the Internal Domain Experts and department faculty members.						
Total Lecture hours					150 hours	

TextBook(s)	
1	The Impact of Globization in a developing Market, A.Anthony, Mary Joseph.T, Published by SMEs in Indian Textile, 2010.
2	AnalysingSampleProductionProcessesintheApparelIndustryandaModelProposal,Publishedby Magicworldoftextiles,2012.
ReferenceBooks	
1	TheSuccessfulInternship.UnitedStates,King,MaryA.,andSweitzer,H.Frederick., CengageLearning2013.
RelatedOnlineContents	
1	https://clothingindustry.blogspot.com/2018/09/sampling-process-apparel-industry.html
2	http://textilemerchandising.com/garments-sampling-process/
CourseDesigned By:Dr.P.P. Gopalakrishnan	

MappingwithProgrammeOutcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	S	S	M	M	M	M	S
CO2	S	S	M	M	M	M	S
CO3	S	S	M	M	M	M	S
CO4	S	S	M	M	M	M	S
CO5	S	S	M	M	M	M	S

*S-Strong;M-Medium;L-Low



Course Code	5ZC	TQMin Apparel Industry	L	T	P	C
SkillBasedSubject		SkillBasedSubjectIII		3	-	3
Pre-requisite	Basicknowledgeinqualityconcepts		Syllabus Version		2025-2026	
CourseObjectives:						
Themainobjectivesof thiscourseareto:						
1. Learntheconcepts andtechniquesinTotal QualityManagement.						
2. DevelopskillstouseQualitycontroltoolsandtechniquesinsolvingqualityproblems.						
3. Learnabout Internationalstandardssuchas ISO, OHSAS,SA8000						
ExpectedCourseOutcomes:						
Onthesuccessfulcompletionofthecourse,studentwill beable to:						
CO1	UnderstandthefundamentalsofTotal QualityManagement					K2
CO2	UnderstandtheprinciplesofTQM					K2
CO3	UseQualitycontrol tools andtechniques insolving qualityproblems					K3
CO4	Selectand useofTQM tools forqualityimprovement					K3
CO5	Differentiatethevariousinternationalstandardsfollowedinapparelproductionand itsrequirements					K3
K1-Remember;K2 -Understand;K3-Apply;K4-Analyze;K5-Evaluate;K6 – Create						
Unit:1	IntroductionToQualityManagement			09 hours		
Definition of Quality – Dimensions of Product Quality – Key elements of total quality - Quality Planning – Quality costs —Quality Statements: vision, mission and policy statements; – Strategic Planning,QualityGurus-DemingPrinciplesonTQM–JuranTrilogy–CrosbyPrincipleson TQM-Japanese5S Principles -Kaizen.-ConceptofQualityCircles						
Unit:2	TQMPrinciples			09 hours		
Principles of TQM,Leadership– Concepts – Quality Trilogy – Four pillars of TQM – PDCA cycle & PDSA cycle. Role of Senior Management – Quality Council, Customer satisfaction – Customer Perception of Quality, Customer Complaints, Employee Involvement – Motivation, Empowerment,Teams,RecognitionandReward,PerformanceAppraisal,Benefits,Continuous ProcessImprovement						
Unit:3	StatisticalProcessControl andProcessCapability			09 hours		
Meaning and significance of Statistical Process Control (SPC) - construction of control charts for variables and attributes; Process Capability – meaning, significance and measurement - Seven ToolsofQuality–ControlChart,ParetoDiagram,IshikawaDiagram,Histogram,FlowCharts, ScatterDiagram,andStratification						
Unit:4	TQM Tools			09 hours		
Benchmarking–ReasonstoBenchmark–BenchmarkingProcess,QualityFunctionDeployment (QFD) – House of Quality, QFD Process, and Benefits – Taguchi Quality Loss Function – TotalProductive Maintenance (TPM) – Concept, Improvement Needs, and FMEA – Stages of FMEA.						
Unit:5	QualitySystemsOrganizingand Implementation			09 hours		
ElementsofISO–BenefitsofISO9000System.ISO9001:2008:GuidelinesandStandard Clauses–ImplementationProceduresandrequirements–QualityManualanditscontents.						

Accreditation and Certification agencies. Quality audit: Types of quality audit – Audit procedure. Environmental Management System (EMS): Elements of EMS – Benefits – Environmental Policies. Studies on SA8000, OHSAS18000, WRAP.	
Total Lecture hours	45 hours
Text Book(s)	
1	Total Quality Management N. Srinivasa Gupta, B. Valarmathi, Tata McGraw Hill Education Pvt. Ltd. 2009
Reference Books	
1	Total Quality Management, Poornima M. Charantimath, Pearson, 2009.
2	Total Quality Management, B. Janakiraman, R. K. Gopal, PHI Learning Pvt. Ltd., 2009.
3	Total Quality Management, S. Bhaskar, Anuradha Publications, 2011.
Related Websites	
1	https://textilelearner.blogspot.com/2012/09/total-quality-management-tqm-in-textile.html
2	https://fashion2apparel.blogspot.com/2016/12/total-quality-management-tqm.html
Course Designed By: Dr. N. Velmathi	

Mapping with Programme Outcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	L	S	L	L	L	S	M
CO2	L	S	L	L	L	S	M
CO3	L	S	L	L	L	S	M
CO4	L	S	L	L	L	S	M
CO5	L	S	L	L	L	S	M

*S-Strong; M-Medium; L-Low



Sixth Semester

Course Code	63A	Entrepreneurship and Small Business Development	L	T	P	C
Core Paper IX		Paper IX		4	-	3
Pre-requisite	Basic knowledge about apparel business opportunities		Syllabus Version	2025-2026		
Course Objectives:						
The main objectives of this course are to:						
1. Familiarize the students with challenges of starting new ventures						
2. Enable them to investigate, understand and internalize the process of setting up a new business.						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Understand the concept of entrepreneurship and traits of entrepreneur				K1	
CO2	Learn about the identification of a project and project report preparation				K6	
CO3	Learn about the formalities of SSI's Registration				K3	
CO4	Learn about the role of support institutions				K2	
CO5	Learn about Incubation centres and startup India				K4	
K1-Remember; K2 -Understand; K3-Apply; K4 -Analyze; K5-Evaluate; K6 -Create						
Unit:1	Introduction to Entrepreneurship			12 hours		
Entrepreneurship: Concept and Definitions; Entrepreneurship and Economic Development; Classification and Types of Entrepreneurs; Entrepreneurial Competencies; Factor Affecting Entrepreneurial Growth – Economic, Non-Economic Factors; EDP Programmes; Entrepreneurial Training; Entrepreneur; Manager Vs. Entrepreneur.						
Unit:2	Starting the venture			12 hours		
Project Identification – Project formulation – Project design – preparing project report – Project Planning and Scheduling using Networking Techniques of PERT/CPM; Methods of Project Appraisal.						
Unit:3	SSI and Registration			12 hours		
Small Enterprises and Enterprise Launching procedures and Formalities Role of SSI in Economic Development of India; SSI; Registration; NOC from Pollution Board; project report presentation guidelines						
Unit:4	Sources of Finance and Institutional Assistance			12 hours		
Role of Support Institutions and Management of Small Business: Director of Industries; DIC; SIDO; SIDBI; Small Industries Development Corporation (SIDC); SISI; NSIC; NISIET, NIESBUD; TANSIDCO; TIIC; State Financial Corporation; KVIC						
Unit:5	Financial incentives for SSI			12 hours		
Financial incentives and subsidies for SSI's, and Tax concessions; – seed capital assistance – Role of entrepreneur in export promotion and import substitution – Social Entrepreneur, Incubation centre, Startup India						
			Total Lecture hours		60 hours	

TextBook(s)	
1	EntrepreneurialDevelopment,Dr.C.B. Gupta,SultanChand&Sons,NewDelhi,2009
2	EntrepreneurialDevelopment,Dr.S.SKhanka,SultanChand&Sons,NewDelhi,2009.
ReferenceBooks	
1	EntrepreneurshipDevelopmentandSmallBusinessEnterprises,Charantimath,Poornima, PearsonEducation,NewDelhi,2006
2	EntrepreneurshipNewVentureCreation, DavidH.Holt,PrenticeHalof IndiaPrivate Limited,NewDelhi,2005
RelatedWebsites	
1	https://www.researchgate.net/publication/259843889
2	https://ncert.nic.in/textbook/pdf/kebs109.pdf
CourseDesigned By:Dr.N.Velmathi	

MappingwithProgrammeOutcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	L	L	L	S	S	S	M
CO2	L	L	L	S	S	S	M
CO3	L	L	L	S	S	S	M
CO4	L	L	L	S	S	S	M
CO5	L	L	L	S	S	S	M

*S-Strong;M-Medium;L-Low

Course code		TECHNICAL TEXTILES	L	T	P	C
Core		Paper X		5	-	4
Pre-requisite		Basic knowledge about Textile science	Syllabus Version		2025-2026	
Course Objectives:						
The main objectives of this course are to:						
1. Learn to develop a foundational understanding of technical textiles and differentiate them from conventional textiles based on function and end-use						
2. Learn to identify and classify the major categories of technical textiles, and illustrate their relevance through representative real-world applications						
3. Learn about the commonly used fibers and materials in technical textiles, and explain their key performance characteristics such as strength, durability, and environmental resistance						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
1	Identify the basic concepts, key terms, and types of technical textiles, and explain how they differ from regular textiles.					K1
2	Understand how technical textiles are classified and what roles they play in different industries.					K2
3	Apply knowledge of fibers, materials, and production methods to choose suitable technical textiles for various uses.					K3
4	Analyse how different technical textile materials perform based on their purpose and the conditions in which they are used.					K4
5	Design simple technical textile products or solutions to meet needs in areas like healthcare, farming, or construction.					K6
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6– Create						
Unit:1		Technical Textiles			10 hours	
Definition, Classification, Scope of technical textiles, Differences between conventional and technical textiles, Applications, Market segments and growth trends. Overview of technical textile categories. Fibres Used: Conventional fibres, High strength and high modulus organic fibres, Combustion and chemical resistant fibres, High performance inorganic fibres, Ultra fine novelty fibres						
Unit:2		Home Textiles & Indu Tech			12 hours	
Home Textiles – - Introduction, textiles used in domesti environment, fibers used Types, functions and properties, Characteristics and Applications in home textiles. Latest developments in home Textiles.						
Indu Tech - Introduction, fibers used - types, functions and properties and characteristics. Textiles used for chemical and electrical applications and textiles related to mechanical engineering. Silk-screen printing, filtration, plasma screens, propulsion technology, lifting/conveying equipment, sound-proofing elements, melting processes, roller covers, grinding technology, insulations, seals & gaskets, fuel cell, Conveyor & Abrasive belts, Reinforcements for printed circuit boards etc.						
Unit:3		Cloth Tech & Sports Textiles			12 hours	
Cloth Tech: Introduction, Fibers used, Properties, Classification- Sewing threads, Interlining, Waddings, Insulation. Recent trends in cloth tech.						
Sports Textiles: Introduction, fibers used, Types, functions and properties, Characteristics and Applications of Sports Tech. Applications and latest trends in Sports Tech (artificial turf used in sports surfaces, Advanced carbon fibre composites, Racquet frames, fishing rods, golf clubs and cycle frames, Balloon fabrics, parachute and paraglider’s fabrics and sailcloth)						
Unit:4		Protective Textiles & Pack Tech			12 hours	
Protective Textiles: Introduction, fibers used Types, functions and properties, Characteristics and Applications Fire Protective clothing, Heat – resistant garments, Water proof materials, Ballistic resistant Vests, Biological and chemical Vests, Military Protective clothing. Smart polymers used in						

Protective clothing. Recent developments in protective textiles.		
Pack Tech: Introduction, fibres used, properties, packing materials for agricultural, industrial, consumer and other goods. Recent trends in pack tech.		
Unit:5	Eco Tech or OEKO Textiles	12 hours
Introduction, Classification – Certification, Application, Importance of Eco tech and OEKO tech, Eco friendly fibres, Market segmentation and recent trends,		
Unit:6	Contemporary Issues	02 hours
1. Learn Industry related terminologies		
2. Expert lectures, online seminars – webinars		
Total Lecture hours		60 hours
Text Books		
1	Hand book of Technical textiles, A. R. Horrocks and S. C. Anand, Wood head publishing ltd, England, 2000	
2	Technical Textiles and its Application, Dr.S.Grace Annapoorani, LASER Park Publishing House, India, 2017	
3	Textiles for Industrial Applications, R Senthil Kumar, CRC Press, 2013	
4	Non-Metallic Technical Textiles: Materials and Technologies, Mukesh Kumar Sinha and Ritu Pandey, CRC Press, 2024	
Reference Books		
1	Textile Fibers: Developments and Innovations, Kothari, V., New Delhi: IAFL Publications, 2000.	
2	Handbook of Industrial Textiles, Sabit Adanur, Wellington Sears CRC Press ,1995	
3	Functional and Technical Textiles, The Textile Institute, Elsevier, 2022	
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]		
1	http://ugcmoocs.inflibnet.ac.in/ugcmoocs/view_module_ug.php/130	
2	https://www.textile Learner blogspot.com	
3	https://textilelearner.blogspot.com/2020/03/nfc-embedded-smart-textiles.html	
4	https://www.technical-textiles.net	
5	https://www.sciencedirect.com/topics/materials-science/smart-textiles	
Course Designed By: Ms.N.Sangeetha		

Mapping with Programme Outcomes										
Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	S	S	S	S	S	S	L	S
CO2	S	S	S	S	M	S	S	S	L	S
CO3	S	S	S	M	S	S	S	S	L	S
CO4	S	M	S	M	M	S	S	S	M	S
CO5	S	M	S	S	S	S	S	S	M	S

*S-Strong; M-Medium; L-Low

Course Code	67V	Project Work and Viva Voce	L	T	P	C
	Project		-	-	10	4
Pre-requisite	Basic knowledge in apparel production processes & Management		Syllabus Version		2025-2026	
Course Objectives:						
The main objectives of this course are to:						
1. Identify a problem in the field of apparel production & related field						
2. Survey or carry out activities leading to generation of new knowledge.						
3. Prepare a report and make a presentation						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Identify, formulate a real-world problem and break-down the complex problems into various concepts and principles based on the literature search					K3
CO2	Identify the activities required and methods to fulfill them and prepare a work-plan to execute the activities					K3
CO3	Create and/or select appropriate processes/tools for preparation of work Plan (materials and methods)					K6
CO4	Develop a product or process with systematic approach involving problem analysis, designing solutions (considering health, safety, legal and cultural issues)					K6
CO5	Prepare the reports and presentations in the specified format.					K3
K1-Remember; K2 -Understand; K3-Apply; K4-Analyze; K5-Evaluate; K6 –Create						
Total Lecture hours					150 hours	
PROJECT GUIDELINES						
Each student or batch will be allocated with faculty guide based on the area of interest of study. Area of interest and guide allotment should be finalized before the commencement of 6 th semester.						
Students can carry out the project work individually or along with other students for a batch of maximum 4 nos. only.						
Period of project work may be for a stretch of 3 weeks or 2 days per cycle of 6 days.						
Project areas/ topics should be in Spinning / weaving / Knitting / Dyeing / Printing / Finishing/ Washing / Sewing or relate areas of apparel production.						
Project work may be a technical one such as development of new product / new process / study of Existing Process for improvement and so on (or) it may be non technical such as Study on HRM, QMS, Marketing, Retail, finance etc. But it should be related to apparel business.						
All the formats and guidelines for preparing report will be given by the department. The students have to prepare and submit a rough copy on or before third week of February. Student must present for review meeting conducted during project period and the progress will be assessed by the team of faculty members comprising guide & HoD.						

TextBooks	
1	ResearchMethodologyMethodsandtechniques,C.R.Kothari&GauravGarg,NewAge InternationalPublishers,NewDelhi,2004
2	ResearchMethodology,R.P.Misra,Publisher,ConceptPublishingCompanyPvt.Limited, 2016
3	ResearchMethodologybyDr.N.Aumugam,SarasPublication, 2018.
ReferenceBooks	
1	ResearchDesign: Qualitative,QuantitativeandMixedMethodApproaches,JohnW.Crewel, SagePublication,2003
2	TheEssentialguidetodoingresearch,ZinaO’Leary,VistaarPublication,NewDelhi,2004
3	RelatedReviews inArticles,JournalsandMagazines.
Relatedonlinecontent	
1	www.stat-help.com/intro.pdf
2	https://open.umn.edu/opentextbooks/textbooks/459
3	https://www.researchgate.net/publication/316023695
4	https://link.springer.com/article/10.1186/s40691-015-0039-4
5	https://clothingindustry.blogspot.com/2018/09/product-development-process-apparel.html
Coursedesignedby: Dr.P.P.Gopalakrishnan	

MappingwithProgrammeOutcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	S	S	S	L	L	M	S
CO2	S	S	S	L	L	M	S
CO3	S	S	S	L	L	M	S
CO4	S	S	S	L	L	M	S
CO5	S	S	S	L	L	M	S

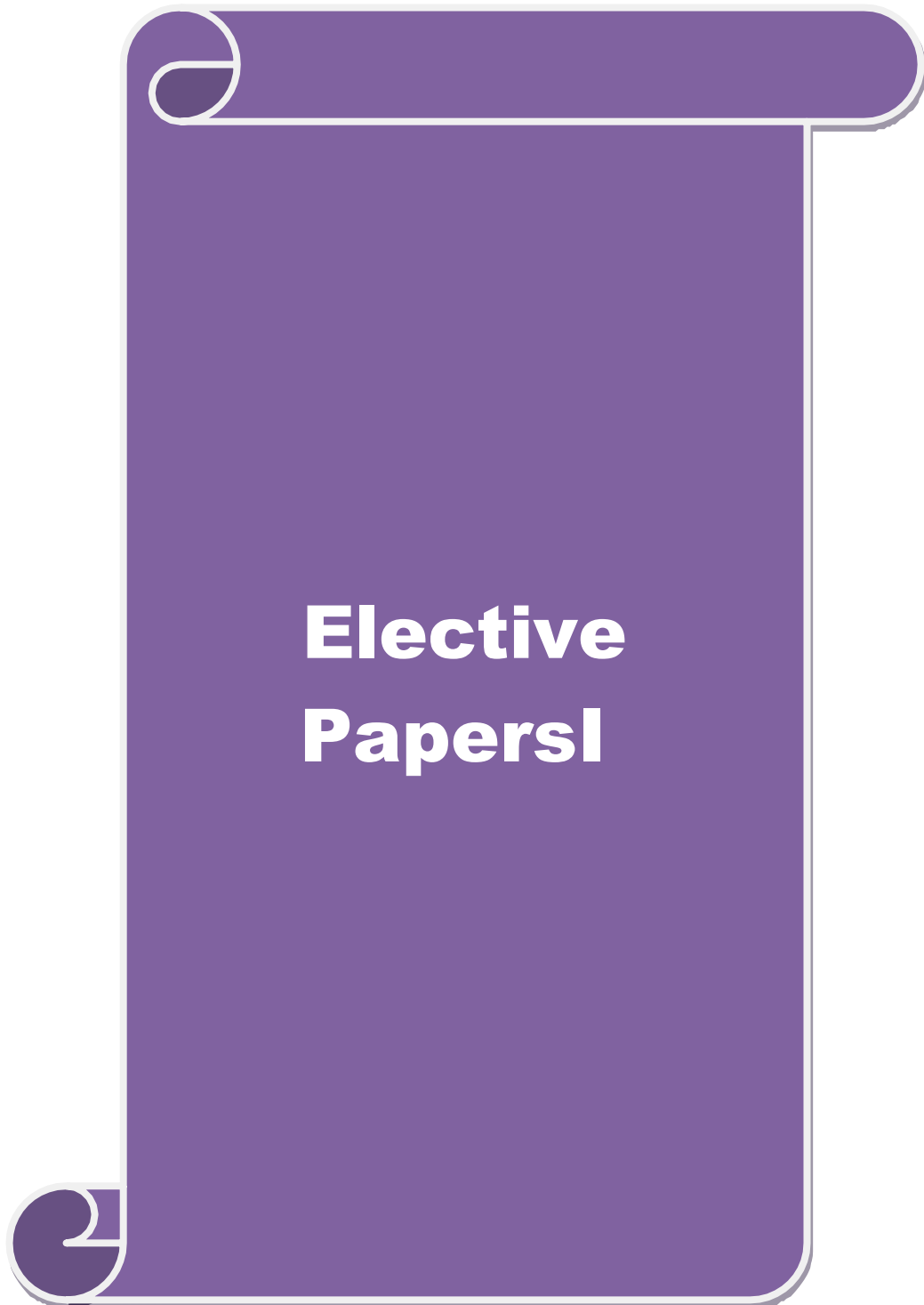
*S-Strong;M-Medium;L-Low

Course Code	6ZD	ERP in Apparel Industry	L	T	P	C
Skill Based Subject		Skill Based Subject IV		3	-	3
Pre-requisite	Basic knowledge in apparel production processes and its management		Syllabus Version		2025-2026	
Course Objectives:						
The main objectives of this course are to: 1. Impart learning about role and importance of ERP in apparel business 2. Impart learning about various business models of ERP package and its management 3. Impart learning about the MIS						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Understand the basic concepts of ERP					K2
CO2	Learn about ERP implementation methodology					K3
CO3	Learn about the modules in ERP					K3
CO4	Gain knowledge in ERP usage in apparel sector					K3
CO5	Learn about the Computer Applications					K2
K1-Remember; K2 -Understand; K3-Apply; K4-Analyze; K5-Evaluate; K6 – Create						
Unit:1	Introduction to ERP				09 hours	
Introduction: ERP: An Overview, enterprise – an overview, types of Enterprises, need for ERP, benefits of ERP, ERP and related technologies, Business Process Reengineering (BPR), Benefits of BPR						
Unit:2	ERP Implementation				09 hours	
Implementation of ERP: ERP implementation lifecycle, implementation methodology, hidden costs, organizing the implementation, vendors, consultants and users, contracts with vendors, consultants and employees, project management and monitoring						
Unit:3	Modules in ERP				09 hours	
The Business Modules: Business modules in an ERP package – finance, manufacturing, human resources, plant maintenance, materials management, quality management, sales and distribution. Significance and advantages of each of the modules						
Unit:4	ERP in apparel industry				09 hours	
Production resource planning – principles and management of and demand chain analysis – quick response strategy – material management for ‘Quick Response’ – ‘Just in Time (JIT) Technology’; Production planning, costing and merchandising software						
Unit:5	Computer Applications				09 hours	
Management Information System in garment industry – EDI in garment technology; Use of Computers in Designing, Pattern making, computerized production systems, communicating with vendors and buyers; Telephone, fax, video conferencing, intranet, internet, etc; Export documentation, retailing; Methods of communicating with consumers						
	Total Lecture hours				45 hours	

TextBook(s)	
1	Essentials of supply Chain Management, Dr. R. P. Mohanty & Dr. S. G. Deshmukh, Jaico Publishing House, 2007
Reference Books	
1	Supply Chain Management: Strategy, Planning and Operation, Chopra Sunil and Meindl Peter, Pearson Education, 2002
2	Supply Chain Management, Rahul V. Altekhar, Prentice-Hall of India Private Ltd. 2008
3	Supply Chain Logistics Management, Donald J Bowersox, David J Closs, M. Bixby Cooper, McGraw-Hill Companies, 2008.
4	ERP in Apparel Industry, D. Anita Rachel, Kongunadu Publications India Pvt. Ltd, 2015
Related websites	
1	https://clothingindustry.blogspot.com/2018/01/erp-systems-fashion-apparel.html
2	http://www.theerpinsights.com/news/erp-in-apparel-and-textile-industry-nid-517.html
3	https://www.fibre2fashion.com/industry-article/1534/benefits-of-erp-software-in-garment-and-apparel-industry
Course Designed By: Dr. D. Anita Rachel	

Mapping with Programme Outcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	M	M	L	M	L	S	S
CO2	M	M	L	M	L	S	S
CO3	M	M	L	M	L	S	S
CO4	M	M	L	M	L	S	S
CO5	M	M	L	M	L	S	S

*S-Strong; M-Medium; L-Low



Course Code	5EA	FashionMarketing	L	T	P	C
Elective		PaperI-A		4	-	4
Pre-requisite	BasicknowledgeinapparelfashionProducts		Syllabus Version	2025-2026		
CourseObjectives:						
Themainobjectivesof thiscourseareto:						
1. Impartlearningaboutmarketinganditsstrategies						
2. Impartlearningabout fashionproducts,itsmixandrangefor marketing						
3. Impartlearningabout theneedforadvertisingfashionproducts andtypesof advertising						
ExpectedCourseOutcomes:						
Onthesuccessfulcompletion ofthecourse,studentwillbeableto:						
CO1	Understandthebasicconcepts offashion marketing					K2
CO2	Learnaboutmarketingfunctioningoffashionproducts					K2
CO3	Learnabouttheadvertising&salespromotion					K3
CO4	Discoverthepricingmethods forvarious products					K2
CO5	Findoutabouttheglobalmarketscenario					K2
K1-Remember;K2 -Understand;K3-Apply;K4-Analyze;K5-Evaluate;K6 – Create						
Unit:1	IntroductiontoFashion Marketing				12 hours	
Meaningandclassificationofmarketing,fashionmarketing,fashionmarketsizeandstructure, marketing environment –micro marketing environment, macro marketing environment. Trends in marketing management.						
Unit:2	MarketingFunction				12 hours	
Marketing function – definition and classification product planning and development importanceof fashion products, nature of fashion products. The fashion industry and newproduct developmentproductmixandrangeplanning.Productlinepolicies.Fashionandrelatedlife cycles.						
Unit:3	FashionAdvertising				12 hours	
Fashion advertising and preparation of advertising for apparel market. Advertising media used in apparel marketing. Advertising department, advertising agencies. A survey on analysis of customers fashion preference & international advertising. Fashion sales promotional programme forapparelmaking,communicationandpromotion,personalselling,pointofpurchase,sales promotionobjectives,consumersales promotion.						
Unit:4	Pricing				12 hours	
Marketing research – definition scope and importance of market research in new product development. Pricing policies and strategies for apparel products. Importance of price policies. Functionsofpricing.Factorinfluencingpricedecisions.Methodsofsettingprices.International pricingpolicy,exportpricing.						
Unit:5	GlobalMarket				12hours	
Global market and its participants in international marketing – Importance, growth and benefits – international market place- goods and services multinational corporations’ banks and insures tradingcompanies–implicationsformarketingmanagement-GATT.Presentexportandimport details.						
TotalLecture hours					60 hours	

TextBook(s)	
1	Fashionmarketingandmerchandising,PoojaChatleyManmeet Sodhia,KalyaniPublishers, 2003
2	FashionMarketing:SecondEdition:Contemporaryissues,TonyHines,MargaretBruce. Routledge&CRCPress,2007
ReferenceBooks	
1	MarketingPrincipleandmethodsbyPhilipC.FandDuneonD.T,Irwinpublications, 1973
2	FashionMarketing,MikeEasey,BlackwellScienceLimited,2005
Relatedonlinecontent	
1	https://www.referralcandy.com/blog/fashion-marketing-examples
2	https://www.slideshare.net/fashionmarketing101/chapter-1-fashion-marketing
CourseDesigned By: Dr.N.Velmathi	

MappingwithProgrammeOutcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	M	M	M	L	S	M	S
CO2	M	M	M	L	S	M	S
CO3	M	M	M	L	S	M	S
CO4	M	M	M	L	S	M	S
CO5	M	M	M	L	S	M	S

*S-Strong;M-Medium;L-Low

Course Code	5EB	StatisticsforManagement	L	T	P	C
Elective		PaperI-B		4	-	4
Pre-requisite	Basicknowledgein mathematics		Syllabus Version	2025-2026		
CourseObjectives:						
Themainobjectivesof thiscourseareto:						
1. Learnaboutthethodsofdatacollection andpresentation techniques						
2. Learnaboutvariousdataanalysis methodsanditsapplication inapparelindustry						
ExpectedCourseOutcomes:						
Onthesuccessfulcompletion ofthecourse,studentwillbeableto:						
CO1	Learnabout themethodsofdatacollection andpresentation techniques					K2
CO2	Calculatemeanvalue&variationforgivendata					K4
CO3	Calculatecorrelationcoefficient®ressionanalysis					K4
CO4	Applysuitable test forhypothesis testing					K3
CO5	DoperformANOVAanalysis					K3
K1-Remember;K2 -Understand;K3-Apply;K4-Analyze;K5-Evaluate;K6 -Create						
Unit:1	IntroductiontoStatistics				12 hours	
Meaning, Definition & Scope of Statistics - Usesof Statistics.Primary data: meaning - methods of collection. Secondary data: meaning – sources. Questionnaire: designing a questionnaire - specimen - sampling methods - Assessment of secondary sources. Presentation: Classification of data-Frequencydistribution-formationofdiscreteseries-formationofcontinousseries-DiagrammaticandGraphicalrepresentationofdata						
Unit:2	MeasuresofCentralTendencyAnd Variation				12 hours	
Measuresofcentraltendency-ArithmeticMean,Median,Mode-Measuresofdispersion-Standarddeviation,CoEfficientofVariation.						
Unit:3	Correlation&Regression Analysis				12 hours	
Correlation:Meaning anddefinition.TypesofCorrelation–Scatterdiagrammethod-Karl Pearson’sCoefficientofCorrelation–Spearman’sRankCorrelation.RegressionAnalysis: Meaning of Regression – Linear regression –Regression in two variables						
Unit:4	Testingof Hypothesis I				12 hours	
TestingofHypothesis: Introduction–Largesamples: test about population proportion, populationmeanandddifferencebetweentwomeans,differencebetweentwo standardeviations Smallsamples: Testaboutpopulationmean(ttest),differencebetweentwomeans(ttest).						
Unit:5	TestingofHypothesisII				12 hours	
Chisquaretest.Testingof Hypothesisaboutequalityof twovariances(F-test).ANOVA: One-way classification–Two-wayclassification.						
TotalLecture hours					60hours	
TextBook(s)						
1	BusinessStatistics, S.P.GuptaandM.P.Gupta,SultanChand andSons,2019					
2	BusinessMathematicsand Statistics,P.A.Navanethem,MaruthupandyarAchagam, 2018					

ReferenceBooks	
1	Statistics,R.S.N.PillaiandBhagavathi S,ChandandcompanyPvtltd,2019
2	StatisticsforManagement,A.K.Gupta,VayuEducationof India,2019
3	StatisticsforManagement,K.SubramaniandA.Santha,SciTechpublicationsPvtltd, 2012
RelatedWebsites	
1	https://youtu.be/sjRg6W2awZs
2	http://www.ddegjust.ac.in/studymaterial/mcom/mc-106.pdf
CourseDesigned By:Mr.R. Saravanan	

MappingwithProgrammeOutcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	L	S	L	M	M	S	S
CO2	L	S	L	M	M	S	S
CO3	L	S	L	M	M	S	S
CO4	L	S	L	M	M	S	S
CO5	L	S	L	M	M	S	S

*S-Strong;M-Medium;L-Low

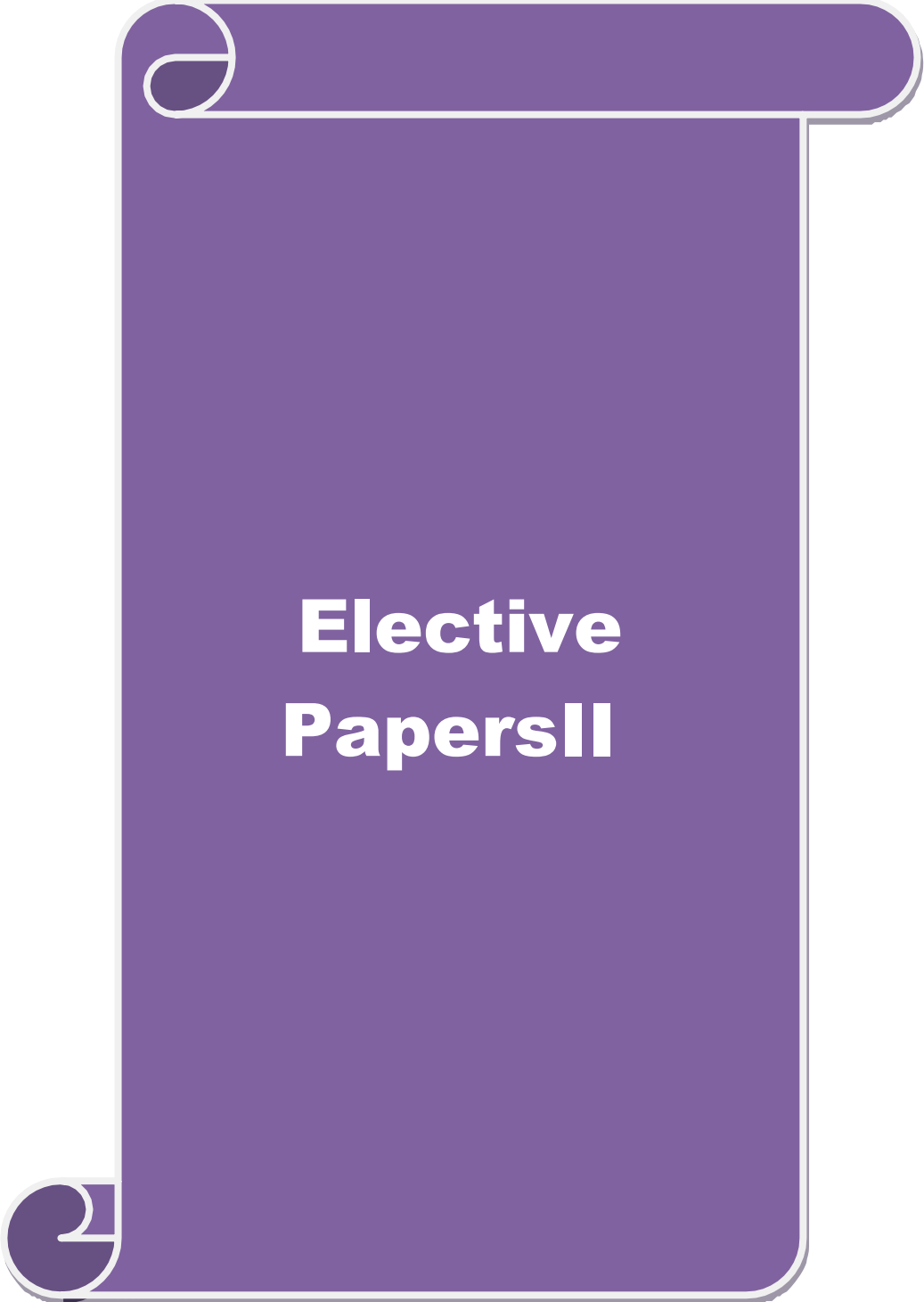


Course Code	5EC	SupplyChainManagement	L	T	P	C
Elective		PaperI -C		4	-	4
Pre-requisite	Basicknowledgeinapparelproductionprocesses& its management		Syllabus Version		2025-2026	
CourseObjectives:						
Themainobjectivesof thiscourseareto:						
1. Getfamiliarisethestudentsonthe fundamentals oflogistics andsupplychainmanagement.						
2. Makethemtoevaluate supplychainperformanceand tomakebusiness decisions.						
3. Impartlearningabout demandandsupplyforecasting,inventorymanagement.						
ExpectedCourseOutcomes:						
Onthesuccessfulcompletionofthecourse,studentwill beable to:						
CO1	Understandthebasicconceptsofsupplychainmanagement					K2
CO2	Learn about supplychainindistributionnetwork					K2
CO3	Learnaboutdemandforecasting&demand management					K2
CO4	Becomeskilled at inventorymanagement					K3
CO5	Learnabout thelogisticsmanagement andwarehousemaintenance					K2
K1-Remember;K2 -Understand;K3-Apply;K4-Analyze;K5-Evaluate;K6 – Create						
Unit:1	SCMConcept			12 hours		
Supply Chain – Participants, Stages, Flows, Processes, Decision phases Views –Cycle, Push pull, Key concepts – Bull Whip Effect: Causes and Solution, Implied demand uncertainty, Strategic capabilities,StrategicFit,IssuesandobstaclesinachievingStrategicfit,Efficientandresponsive supplychain.						
Unit:2	SupplyChainNetwork			12 hours		
Designing Distribution Networks – Role of distribution in supply chain, Factors influencing Distribution network design, Design Options in Distribution network. E business and Distribution networks, Designing supply chain Network – Design Decision in supply chain network, Factors Influencingnetworkdesign.FrameworkforNetworkdesigndecisions,DesigningGlobal Network–Offshoringdecisions-totalcostconsiderations						
Unit:3	Demandand supply			12 hours		
Forecasting–definition,role,importance,characteristicsofforecasting,basicapproachesin demand forecasting and forecasting methods; managing demand and managing supply in supplychain, roles of aggregate planning in supply chain. Quick response strategy in apparel industry						
Unit:4	Inventoryand Sourcing			12 hours		
Inventory – definition, roles, characteristics and Inventory Functionalities; determining optimum level of availability, order point, EOQ, role of safety inventory and accommodating uncertainties. Sourcing–role,supplierassessment,selectioncriteria,designcollaborationsandplananalysisfor sourcing,JITTechnologyofinventorymanagementinapparelindustry						
Unit:5	Logisticmanagement			12 hours		
Logisticmanagementmeaning-Functionalareasoflogisticsandtheirinterrelationship,Typesof logistical arrangements, Logistics partnerships 3PL, 4PL and emergence of 5 PL. Reverse Logistics, Global logistics- Basic concepts, Terms of Sale in global trade- INCO Terms, Uniform						

Commercial code, Key Global Documentation, Warehousing – Strategic Warehousing and its role in logistical system, Principles of warehouse design, type of warehouses, Warehouse design considerations, Warehouse decisions, Security Safety and Maintenance of warehouse, transportation–Role of transportation in a supply chain, Modes of transportation and its choice,	
Total Lecture hours	60 hours
Text Book(s)	
1	Essentials of supply Chain Management, Dr. R.P. Mohanty & Dr. S.G. Deshmukh, Jaico Publishing House, 2007
Reference Books	
1	Supply chain Management: Strategy, Planning and Operation, Chopra Sunil and Meindl Peter, Pearson Education, 2002
2	Supply Chain Management, Rahul V. Altekar, Prentice-Hall of India Private Ltd. 2008
3	Supply Chain Logistics Management, Donald J Bowersox, David J Closs, M. Bixby Cooper, McGraw-Hill Companies, 2008.
Related Websites	
1	https://www.tutorialspoint.com/supply_chain_management/supply_chain_management_tutorial_df
2	https://www.toppr.com/guides/business-environment/business-functions/supply-chain/
Course Designed By: Dr.N.Velmathi	

Mapping with Programme Outcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	L	L	M	S	S	S	M
CO2	L	L	M	S	S	S	M
CO3	L	L	M	S	S	S	M
CO4	L	L	M	S	S	S	M
CO5	L	L	M	S	S	S	M

*S-Strong; M-Medium; L-Low



Elective PapersII

Course Code	6EA	Visual Merchandising	L	T	P	C
Elective		PaperII-A		4	-	4
Pre-requisite	Basicknowledgeinretail merchandising		Syllabus Version	2025-2026		
CourseObjectives:						
Themainobjectivesof thiscourseareto:						
1. Impartlearningabout conceptofvisualmerchandising						
2. Impartlearningaboutlay outplanning,lightinganddecoration ofretailstores						
3. Impartlearningabout thetypesofdisplayandassortmentplanning						
ExpectedCourseOutcomes:						
Onthesuccessfulcompletion ofthecourse,studentwillbeableto:						
CO1	Understandconcepts ofvisualmerchandising					K2
CO2	Learnabouttheinterior & exteriordesigningofstores					K3
CO3	Learnaboutstorelayouts					K3
CO4	Gainknowledgeontypesofdisplaysinvisual merchandising					K2
CO5	Learnabout Fashion Retailing&promotional aspects					K3
K1-Remember;K2 -Understand;K3-Apply;K4-Analyze;K5-Evaluate;K6 – Create						
Unit:1	IntroductiontoVisualMerchandising			12 hours		
Introduction:Visualmerchandising-introduction,conceptsandrole,importanceinstoreplanning andutilizingbasicvisualmerchandisingtechniques;Roleofatmosphereingarmentretailing– immediate effects and simulation types, visual merchandisers in garment retailing						
Unit:2	StoreExteriorandInterior			12 hours		
Store exterior – marquee, facade, exterior display, surrounding stores and displays; Store interior– store atmospheric, aesthetic, execution of store lay out - selection of display locations, lifts, staircase, elevators, utilization of store space; Display composition: Elements and principles of design, tools and materials						
Unit:3	Storelayout			12 hours		
Factorsconsideredinorganizingeffectivedisplay–balance,rhythm,proportion,texture,harmony andemphasis. Store layout planning- grid,race track,freeform – direction offlow andplanogram; Design elements to create mood and impression –colour, angle, motion, simplicity, and repetition						
Unit:4	Display			12 hours		
Seasonal and trend decision for point of emphasis – creativity in display; Planning of assortment, theme, ensemble, racks, shelves, bins, etc. and balance of display in a show room. Wall as retail sellingtool – typesof materialsused merchandise displayand effective wall planning. Application ofcolour schemes,colour psychology, creatingmood bycolour						
Unit:5	FashionRetailing			12 hours		
Lightings - Lights types,selection, advantages and disadvantages, music. Using effectiveGraphics and singes for theme, campaign and promotional aspects - safety and security; Theme, interior and exteriordisplaysusedingarmentretailoutlet,boutiqueandhaute couture,accessoriesshow rooms,mannequins,fabricandpaper displays.						
TotalLecture hours				60hours		

TextBook(s)	
1	Newtrends in visual merchandising, Judy Shepard, RSD publishing, 2012
2	Visual Merchandising and Display, Martin M. Pegler, Fairchild Publications, 1983
Reference Books	
1	Visual Merchandising, Swati Bhalla, Anurag S, Tata McGraw-Hill Education, 2010
Related online content	
1	https://www.slideshare.net/tinadhingra56/visual-merchandising-20418137
2	https://www.managementstudyguide.com/visual-merchandising.htm
Course Designed By: Mrs.R. Sneha	

Mapping with Programme Outcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	L	M	L	M	S	S	M
CO2	L	M	L	M	S	S	M
CO3	L	M	L	M	S	S	M
CO4	L	M	L	M	S	S	M
CO5	L	M	L	M	S	S	M

*S-Strong; M-Medium; L-Low



Course Code	6EB	International Trade and Documentation	L	T	P	C
Elective	Paper II-B			4	-	4
Pre-requisite	Basic knowledge in apparel trade		Syllabus Version	2025-2026		
Course Objectives:						
The main objectives of this course are to:						
1. Impart learning about methods of delivery, shipment and customs procedure						
2. Impart learning about the post shipment formalities and payment methods						
3. Impart learning about various types of documents to be prepared for export						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Understand the methods of delivery, shipment and customs procedure.					K2
CO2	Learn about the post shipment formalities and payment methods					K3
CO3	List out the various types of documents to be prepared for export					K3
CO4	Learn about various import procedures					K2
CO5	Differentiate the various INCOTERMS and payment methods					K3
K1-Remember; K2 -Understand; K3-Apply; K4-Analyze; K5-Evaluate; K6 – Create						
Unit:1	Export Firm Registration			12 hours		
Firm establishment: introduction – export promotion councils and their role – registration formalities – Registration cum membership certificate – IE code – RBI code – garment classification and categories for various countries – quota – quota distribution methods – quota transfer.						
Unit:2	Foreign Trade Documents			12 hours		
Foreign trade documents: need, rationale and types of documents relating to goods – invoice – packing list – certificate of origin – certificate relating to shipments – mate receipt – shipping bill – caret ticket – certificate of measurement – bill of lading – air way bill – documents relating to payment – letter of credit – types of L/C - bill of exchange – letter of hypothecation – bank certificate for payment – document relating to inspection – certificate of inspection – GP and other forms.						
Unit:3	Import Procedure			12 hours		
Import procedure: import license – procedure to apply import license – import trade control regulation procedure – special schemes – replenishment license – advance license – split up license – spares for after sales service license – code number – bill of entry.						
Unit:4	Shipment and customs			12 hours		
Pre-shipment inspection and quality control – foreign exchange formalities – re-shipment documents - documentation terms - excise and customs clearance of export cargo – shipment of goods and port procedures – customs clearance of import cargo. Post-shipment formalities and procedures – claiming duty drawback and other benefits.						
Unit:5	Payment System			12 hours		
Payment and deliveries: terms of delivery – INCOTERMS - Terms of payment: open account – cheque – cash payment against documents – bank payment against documents (LC) – security and						

cost of various payment terms – assessing the risk in payment – role of ECGC and standard policy – Duty Drawbacks.	
Total Lecture hours	
60 hours	
Text Book(s)	
1	International Trade and Export Management, Francis Cherunilam, Himalaya Publishing House, 2008
Reference Books	
1	Streamline Your Export Paper Work, Bose. A, International Trade Form, Oct–Dec 1965.
2	Export Management, T.A.S. Balagopal Himalaya Publishing House, 2008
3	Foreign Exchange, C. Jeevanandam Sultan Chand & sons, 2006.
Related online content	
1	www.eximguru.com/exim/guides/how-to-export/ch_17_export_documents.aspx
2	https://howtoexportimport.com/Export-procedures-and-documentation-1397 .
Course Designed By: Mr.K.Balamurugan	

Mapping with Programme Outcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	L	L	L	M	S	S	M
CO2	L	L	L	M	S	S	M
CO3	L	L	L	M	S	S	M
CO4	L	L	L	M	S	S	M
CO5	L	L	L	M	S	S	M

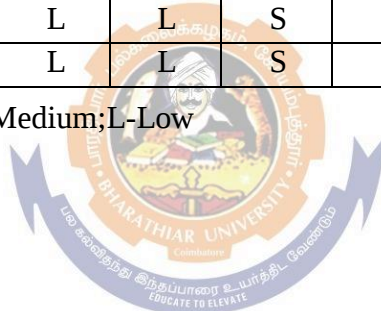
*S-Strong; M-Medium; L-Low

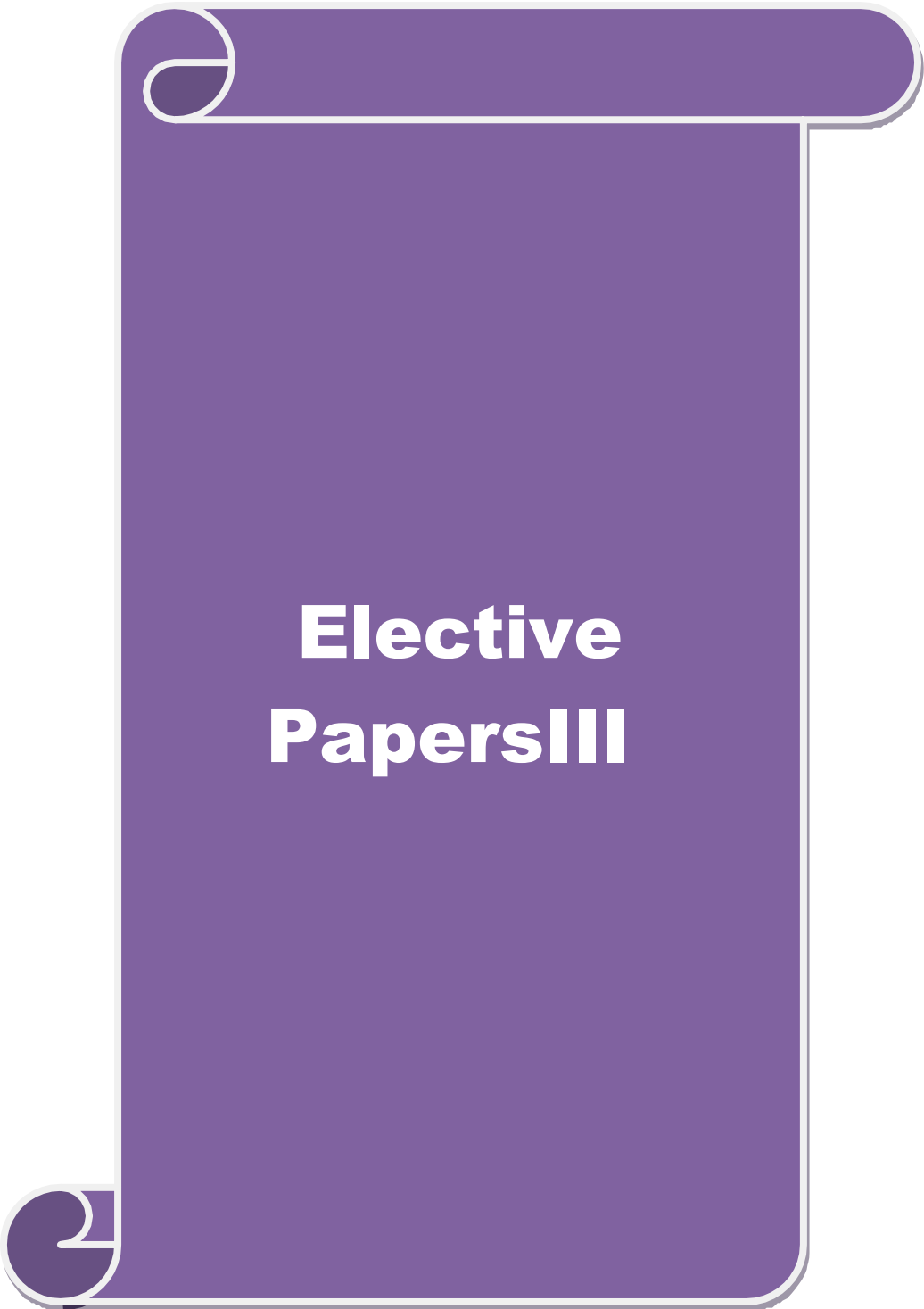
Course Code	6EC	Industrial Psychology	L	T	P	C
Elective	Paper II-C			4	-	4
Pre-requisite	Basic knowledge in management & organization structure		Syllabus revision	2025-2026		
Course Objectives:						
The main objectives of this course are to:						
1. Impart learning about group behavior						
2. Impart learning about training methods						
3. Impart learning about the safety management practices						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Understand the role of learning in shaping behaviour					K2
CO2	Learn about the role of leadership in group decision					K3
CO3	Discover the importance of motivation for job enrichment					K3
CO4	Gain knowledge about importance of training and development					K3
CO5	Learn about importance of safety management					K2
K1-Remember; K2 -Understand; K3-Apply; K4-Analyze; K5-Evaluate; K6 – Create						
Unit:1	Introduction to Industrial Psychology		12 hours			
Definition-development-scope-objectives-importance of individual behaviour-causes-Role of learning in shaping behaviour-the influence of thinking and perception.						
Unit:2	Group Behaviour		12 hours			
Group Behaviour-Groups- Contributing factors- Group Norms, Communication- Process- Barriers to communication-Effective communication, leadership-formal and informal characteristics- Managerial grid-Leadership styles-group Decision making- Leadership Role in Group Decision, Group Conflicts-Types-Causes-Conflict Resolution- intergroup relations and conflicts – Organization centralization and decentralization-formal and informal-organizational structures- organizational change and development-change process-resistance to change-culture and ethics						
Unit:3	Motivation		12 hours			
Motivation and motivators-The hierarchy of needs theory-the motivation-hygiene approach to motivation-Expectancy-equity-reinforcement-McClelland's needs theory of motivation-special motivational techniques-job enrichment- a systems and contingency approach to motivation.						
Unit:4	Training and Development		12 hours			
Training & Development: Training – Need and Importance – Steps in Training Programme – Evaluation of Training Programmes – Concept of Management Development Programme – Techniques of Training and Development–Group Discussion- Conferences and Seminar–Case Studies–Role Playing–Business Games–Sensitivity Training–Stages of Career Development.						
Unit:5	Industrial Fatigue		12 hours			
Definition-concept-Nature-Effects-causes-Elimination-Safety management practices-Effect of environment-Hazard control Technology-Working conditions-environmental conditions						
Total Lecture hours			60 hours			

TextBook(s)	
1	Industrial Psychology, P.K.Ghosh,HimalayaPublishing House,1980
ReferenceBooks	
1	Management,Ties,AFstoner,andR.Edward FreemanPHIPvt ltd,NewDelhi,1992.
2	EssentialsofManagement,JosephJ,Massie,PHI,Ltd,1985.
3	FoundationsofPsychologyandIntroductoryText,NickyHayes, Routledge,UK,1994.
RelatedWebsites	
1	https://lecturenotes.in/m/17168-note-of-industrial-psychology-by-shweta-sharma?reading=true
2	https://www.youtube.com/watch?v=krGRP-Iq2SM
CourseDesigned By:Dr.N. Velmathi	

MappingwithProgrammeOutcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	L	L	L	S	S	S	M
CO2	L	L	L	S	S	S	M
CO3	L	L	L	S	S	S	M
CO4	L	L	L	S	S	S	M
CO5	L	L	L	S	S	S	M

*S-Strong;M-Medium;L-Low





Elective PapersIII

Course Code	6ED	ApparelBrand Management	L	T	P	C
Elective		PaperIII-A		4	-	4
Pre-requisite	Basicknowledgeinapparelbusiness processes		Syllabus Version	2025-2026		
CourseObjectives:						
Themainobjectivesof thiscourseareto:						
1. GetfamiliarizethestudentswiththeconceptsandstrategiesinvolvedinBrandingforeffective Brand Building.						
2. IdentifythevariablesthatdrivethesuccessofBrands.						
3. Developandimplement winningBrandStrategiesin anarrayofcompetitivecontexts.						
ExpectedCourseOutcomes:						
Onthesuccessfulcompletion ofthecourse,studentwillbeableto:						
CO1	UnderstandconceptsandstrategiesinvolvedinBrandingforeffectiveBrand Building.					K2
CO2	Learnaboutthebrandpositioningstrategies					K3
CO3	ListoutthevariousBrandappraisal methods					K3
CO4	Learndevelop andimplement winningBrandStrategiesin anarrayofcompetitive contexts					K2
CO5	Learnaboutthevariables thatdrivethesuccessof Brands					K3
K1-Remember;K2 -Understand;K3-Apply;K4-Analyze;K5-Evaluate;K6 – Create						
Unit:1	Significanceof Branding			12 hours		
Brand–Definition,Evolution,functions,brandsignificance;branding–typesandstrategies international apparel brands - identification of perspectives and challenges to build brand- Indian garment brands and prospects of Indian brands						
Unit:2	Brand Positioning			12 hours		
ImportanceofBrandingPositioning–Basicbrandingconcepts–BrandImage,BrandIdentity, BrandEquityandBrandPersonality-MeaningandDefinition,Types,Elements;Brand Ambassadors- Celebrity Branding;BrandLoyalty; Product Vs CorporateBranding: Major Branding decisions. positioning strategies of international garment retailers						
Unit:3	Brand Appraisal			12 hours		
Brandappraisal–Definitionandmethods-exploration,market,customer,competitionanalysis, reasoning of brands importance and methods involved - laddering, emotional and rational, Brand mapping – circle, prism and triangle						
Unit:4	Brand Repositioning			12 hours		
Brand Identity and Extension: Brand identity and articulation – name, colour, design, logo and symbols, brand service advertising and cross cultural influence; brand extension – need and types; Advantages and Disadvantages; labelling and licensing of apparel products – types, license agreement,andinternationalpropertyrights;needfordevelopingbrandnamesandlabelsfor apparelmanufacturedandexportedfrom India						

Unit:5		BrandMeasurement	12 hours
Brandmeasurement-definition,needandmethods–audit,track,brandovertime–managing brand image - need,concepts of management,forcesaffecting brand andmaintenance of brand, Study on brands and brand management of Indian Garment			
		TotalLecture hours	60 hours
TextBook(s)			
1	BrandManagement: Texts andCases,Niraj.Kumar,HimalayaPublishingHouse,2015		
ReferenceBooks			
1	BrandManagement,Harsh VVerma,Excelbooks,2010		
2	BrandManagementTextandCases,MathurU.C., Macmillan IndiaLtd.2006		
Relatedonlinecontent			
1	https://www.tutorialspoint.com/brand_management		
2	https://www.managementstudyguide.com/brand-management.htm		
CourseDesigned By:Mr.V.Rajendran			

MappingwithProgrammeOutcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	L	L	L	S	M	S	M
CO2	L	L	L	S	M	S	M
CO3	L	L	L	S	M	S	M
CO4	L	L	L	S	M	S	M
CO5	L	L	L	S	M	S	M

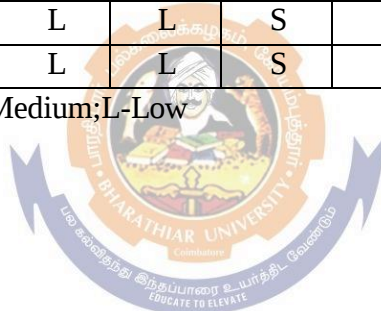
*S-Strong;M-Medium;L-Low

CourseCode	6EE	HumanResourcePlanning	L	T	P	C
Elective		PaperIV		4	-	4
Pre-requisite	Basicknowledgeaboutjobrole&HRrequirements		Syllabus Version		2025-2026	
CourseObjectives:						
Themain objectivesofthiscourseareto:						
1. Learnaboutbasicsofhumanresourceplanning						
2. Learnaboutneedforjobanalysisto determineequitablepaystructure						
3. UnderstandtheneedforHRforecastingandsuccessionplanning						
ExpectedCourseOutcomes:						
Onthesuccessful completion ofthecourse,studentwillbeableto:						
CO1	UnderstandtheconceptofHRP					K2
CO2	LearnaboutHR planningprocess					K2
CO3	Learnaboutthejobanalysisprocessanddetermination ofpaystructure					K3
CO4	LearnaboutneedforHRforecasting					K2
CO5	Understandaboutsuctionmanagement					K3
K1-Remember;K2-Understand;K3 -Apply;K4-Analyze;K5-Evaluate;K6–Create						
Unit:1		ComponentsofHRP			15 hours	
DefinitionandconceptofHRP,benefits,process,HRPcomponents.RoleofHRmanagerinan organisation-HumanCapitalmanagement						
Unit:2		HRplanningandcorporatestrategies			15 hours	
HRplanningas astrategicprocess-employeesasresources-goal attainment,linkingHRprocessto strategy,involvementinstrategicplanningprocess,strategicHRPlanningmodel.						
Unit:3		JobAnalysis			15 hours	
Job analysis: Methods for collecting Job Analysis Information, Human Resource Planning and Recruiting: The Recruitment and Selection process- Internal and External sources of candidates, WritingJobDescription&JobSpecification,-TestingandSelection:Basictestingconcepts, TypesofTests.Interview:ProcessandTypes-GuidelinesforInterviews.						
Unit:4		HRForecastingandCompensation			15 hours	
Forecasting Manpower Needs, the Forecasting Process, inventorying available talent, Projecting Future Talent Supply, forecasting Staffing Requirements. Index analysis-expert forecasts-Delphi technique-nominalgrouptechnique-HRbudgetandstaffingtable,scenarioforecastingand regressionanalysis.WageandSalaryadministration						
Unit:5		Careerplanningandsuccessionmanagement			15 hours	
Definitions, concepts, stages of career development process and organizational HRPolicies,carrier Anchors – Stages of growth and career, career processes Succession management process challengesofsuccessionmanagement,Replacementanalysis-Managementdevelopment programmes,objectivesofMDP,,s,Jobrotation.						
		TotalLecturehours			75 hours	
TextBook(s)						
1	HumanResourceManagement,K.Ashwathappa,TataMcGrawHillEducationPvt.Ltd,2010					

ReferenceBooks	
1	HumanResourceManagement,BiswajeePattanayak,PHILearningPvt.Ltd,2009
2	StrategicHumanResourceManagement,CharlesR.Greer,Pearson,2009.
3	HumanResourcePlanning,DipakKumarBhattacharyya,ExcelBooks,2009
4	HumanResourceManagement,PravinDurai,Pearson,2009.
5	HumanResourceManagement,Dr.Tripathi,WisdomPublications,Delhi,2009.
Related Websites	
1	https://www.investopedia.com/terms/h/human-resource-planning.asp
2	https://www.managementstudyguide.com/human-resource-planning.htm
CourseDesignedBy:Dr.N.Velmathi	

MappingwithProgrammeOutcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	L	L	L	S	S	S	M
CO2	L	L	L	S	S	S	M
CO3	L	L	L	S	S	S	M
CO4	L	L	L	S	S	S	M
CO5	L	L	L	S	S	S	M

*S-Strong;M-Medium;L-Low



Course Code	6EF	HumanValuesandProfessionalEthics	L	T	P	C
Elective		PaperIII-C		4	-	4
Pre-requisite	Basicknowledgeinapparelproduction& management		Syllabus Version		2025-2026	
CourseObjectives:						
Themainobjectivesof thiscourseareto: 1. Impartlearningaboutsociresponsibilityandethics 2. Impartlearningaboutproblem solvingmethods 3. Impartlearningaboutthecharacteristicsofleadership						
ExpectedCourseOutcomes:						
Onthesuccessfulcompletion ofthecourse,studentwillbeableto:						
CO1	Understandconceptssociresponsibilityforabusinessorganization					K2
CO2	Learnaboutthehumanvalues					K3
CO3	Learnandapplycreativetechiniquesforproblemsolving					K3
CO4	Listouttheimportance oftrainingin HRD					K3
CO5	Differentiatevariousmotivationtheoriesanditssignificance					K2
K1-Remember;K2 -Understand;K3-Apply;K4-Analyze;K5-Evaluate;K6 – Create						
Unit:1	Management Principles				12 hours	
Meaning, Definition, Significance, Functions – Planning, Organizing, Staffing, Directing and Controlling, Principles of Management. Social responsibility and ethics: Concept of Social Responsibility,ViewsofSocialResponsibility–EconomicObjectivesVsSocialObjectives–BusinessEthics.						
Unit:2	ProblemSolvingMethods				12 hours	
SWOT Analysis of a Traditional Engineer – Kaizen Strategy and Values – Kaizen Approach for Problem Solving.– Process Oriented Management Vs Result Oriented Management. Human Values:ValueCrisisinContemporaryIndianSociety,AestheticValues,MoralandEthical Values,Spiritual Values,ValuesintheWork Place.						
Unit:3	InterpersonalRelationships				12 hours	
Managing Emotions, Emotional Intelligence, Building Better Interpersonal Relations, Managing the Boss, Dealing with Subordinates – Case Study. Creativity: Creativity and Problem Solving – CreativityProcess–CreativeIndividualsandtheirCharacteristics–TechniquesforCreative ProblemSolving.						
Unit:4	HumanResourceManagement				12 hours	
Importance, Objectives, Functions, Job Analysis and Recruitment, Selection and Placement. Human Resource Development: Training and Learning, Determining Training Needs and Priorities, Formal Employee TrainingMethods, Management Development, Methods for DevelopingManagers,EvaluatingTrainingEffectiveness–CaseStudy.						
Unit:5	Leadership				12 hours	
Definition, Characteristics of Leadership, Leadershipstyles, Theories of Leadership – Tannenbaum – Schmidt Leadership Continuum – Managerial Grid Theory. Motivation: Meaning andDefinition–MechanismofMotivation–Maslow’sNeedHierarchyTheory,McGregor’s						

Theory X and Y - Herzberg's Two Factor Theory.	
Total Lecture hours	
60 hours	
Text Book(s)	
1	Business Ethics New Challenges for Business Schools and Corporate Leaders Robert A Peterson, O.C Ferrell, Blackwell's, 2013
2	Ethics and the Conduct of Business, 7th Edition. John R. Boatright, Pearson, 2012
Reference Books	
1	Foundations of Ethics in Management, Pani P. Banerjee, Excel Books, 2005
2	The Theory and Practice of Managerial Ethics, Sadri Jayashree; Sadri Sorab; Dhun Dastoor, Jaico Publishing House, 2008
3	Engineering ethics: includes human values, M. Govindarajan, S. Natarajan, V. S. Senthilkumar, PHI Learning, 2004
Related online content	
1	https://pscnotes.in/human-values-and-professional-ethics-notes
2	https://crescent.education/wp-content/uploads/2018/12/Crescent-human-values-professional-ethics.pdf
Course Designed By: Dr.N.Velmathi	

Mapping with Programme Outcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	L	L	L	S	S	S	M
CO2	L	L	L	S	S	S	M
CO3	L	L	L	S	S	S	M
CO4	L	L	L	S	S	S	M
CO5	L	L	L	S	S	S	M

*S-Strong; M-Medium; L-Low

B.Sc.FASHIONAPPARELMANAGEMENT ENT

Syllabus

(Witheffectfrom2025-2026onwards)



BharathiarUniversity

**(AStateUniversity,Accreditedwith“A“GradebyNAAC
and13th Rank among Indian Universities by MHRD-
NIRF)**

Coimbatore641046,INDIA

Additional Credit Course

Earning Additional credit course is not mandatory for Programme Completion.

Prescribed courses under UGC – SWAYAM/MOOCs/NPTEL will be available for the affiliated colleges, as an optional.

Add on courses-Additional Credit Course

Naan Mudhalvan Skill courses



Students are encouraged to register through the website www.naanmudhalvan.tn.gov.in and take up the courses to enhance their skills

Prescribed courses under UGC – SWAYAM/MOOCs/NPTEL will be available for the affiliated colleges, as an optional.

Earning Additional credit is not mandatory for Programme Completion.