



THIRUVALLUVAR UNIVERSITY

SERKKADU, VELLORE-632115

**B.Sc. COSTUME DESIGN AND
FASHION TECHNOLOGY**

SYLLABUS

FROM THE ACADEMIC YEAR

2023 - 2024

Content

- 1. IntroductiontotheProgramme**
- 2. HighlightsoftheProgramme**
- 3. ProgrammeOutcomes(PO)ofUGDegreeProgramme**
- 4. ProgrammeSpecificOutcomes(PSO)ofUGDegreeProgramme**
- 5. TeachingMethodologies(Common forbothUGandPG)**
- 6. TemplateForCurriculumDesignforUGDegreeProgramme**
- 7. CreditDistribution forUGProgramme**
- 8. ConsolidatedSemesterWiseandComponentWiseCreditDistribution**
- 9. MethodofEvaluation**

B.Sc., COSTUME DESIGN AND FASHION TECHNOLOGY

LEARNING OUTCOMES-BASED CURRICULUM FRAMEWORK GUIDELINES BASED REGULATIONS FOR UNDERGRADUATE PROGRAMME	
Programme:	B.Sc., Costume Design And Fashion Technology
Programme Code:	
Duration:	3 Years (UG)
Programme Outcomes:	<p>PO1: Disciplinary knowledge: Capable of demonstrating comprehensive knowledge and understanding of one or more disciplines that form a part of an undergraduate Programme of study</p> <p>PO2: Communication Skills: Ability to express thoughts and ideas effectively in writing and orally; Communicate with others using appropriate media; confidently share one's views and express herself/himself; demonstrate the ability to listen carefully, read and write analytically, and present complex information in a clear and concise manner to different groups.</p> <p>PO3: Critical thinking: Capability to apply analytic thought to a body of knowledge; analyse and evaluate evidence, arguments, claims, beliefs on the basis of empirical evidence; identify relevant assumptions or implications; formulate coherent arguments; critically evaluate practices, policies and theories by following scientific approach to knowledge development.</p> <p>PO4: Problem solving: Capacity to extrapolate from what one has learned and apply their competencies to solve different kinds of non-familiar problems, rather than replicate curriculum content knowledge; and apply one's learning to real life situations.</p> <p>PO5: Analytical reasoning: Ability to evaluate the reliability and relevance of evidence; identify logical flaws and holes in the arguments of others; analyze and synthesize data from a variety of sources; draw valid conclusions and support them with evidence and examples, and addressing opposing viewpoints.</p> <p>PO6: Research-related skills: A sense of inquiry and capability for asking relevant/appropriate questions, problem arising, synthesising and articulating; Ability to recognise cause-and-effect relationships, define problems, formulate hypotheses, test hypotheses, analyse, interpret and draw conclusions from data, establish hypotheses, predict cause-and-effect relationships; ability to plan, execute and report the results of an experiment or investigation</p> <p>PO7: Cooperation/Team work: Ability to work effectively and respectfully with diverse teams; facilitate cooperative or coordinated effort on the part of a group, and act together as a group or a team in the interests of a common cause and work efficiently as a member of a team</p> <p>PO8: Scientific reasoning: Ability to analyse, interpret and draw conclusions</p>

	<p>from quantitative/qualitative data; and critically evaluate ideas, evidence and experiences from an open-minded and reasoned perspective.</p> <p>PO9: Reflective thinking: Critical sensibility to lived experiences, with self-awareness and reflexivity of both self and society.</p> <p>PO10 Information/digital literacy: Capability to use ICT in a variety of learning situations, demonstrate ability to access, evaluate, and use a variety of relevant information sources; and use appropriate software for analysis of data.</p> <p>PO 11 Self-directed learning: Ability to work independently, identify appropriate resources required for a project, and manage a project through to completion.</p> <p>PO 12 Multicultural competence: Possess knowledge of the values and beliefs of multiple cultures and a global perspective; and capability to effectively engage in a multicultural society and interact respectfully with diverse groups.</p> <p>PO 13: Moral and ethical awareness/reasoning: Ability to embrace moral/ethical values in conducting one's life, formulate a position/argument about an ethical issue from multiple perspectives, and use ethical practices in all work. Capable of demonstrating the ability to identify ethical issues related to one's work, avoid unethical behaviour such as fabrication, falsification or misrepresentation of data or committing plagiarism, not adhering to intellectual property rights; appreciating environmental and sustainability issues; and adopting objective, unbiased and truthful actions in all aspects of work.</p> <p>PO 14: Leadership readiness/qualities: Capability for mapping out the tasks of a team or an organization, and setting direction, formulating an inspiring vision, building a team who can help achieve the vision, motivating and inspiring team members to engage with that vision, and using management skills to guide people to their right destination, in a smooth and efficient way.</p> <p>PO15: Lifelong learning: Ability to acquire knowledge and skills, including „learning how to learn“, that are necessary for participating in learning activities throughout life, through self-paced and self-directed learning aimed at personal development, meeting economic, social and cultural objectives, and adapting to changing trades and demands of work place through knowledge/skill development/reskilling.</p>
<p>Programme Specific Outcomes:</p>	<p>On successful completion of Bachelor of Costume Design And Fashion Technology programme, the students should be able to:</p> <p>PSO1: Disciplinary Knowledge: Understand the fundamental principles, concepts, and theories related to physics and computer science. Also, exhibit proficiency in performing experiments in the laboratory.</p> <p>PSO2: Critical Thinking: Analyse complex problems, evaluate information, synthesize information, apply theoretical concepts to practical situations, identify assumptions and biases, make informed decisions and communicate effectively</p> <p>PSO3: Problem Solving: Employ theoretical concepts and critical reasoning ability with physical, mathematical and technical skills to solve problems, acquire data, analyze their physical significance and explore new design possibilities.</p> <p>PSO4: Analytical & Scientific Reasoning: Apply scientific methods, collect and analyze data, test hypotheses, evaluate evidence, apply statistical techniques and</p>

	<p>use computational models.</p> <p>PSO5: Research related skills: Formulate research questions, conduct literature reviews, design and execute research studies, communicate research findings and collaborate in research projects.</p> <p>PSO6: Self-directed & Lifelong Learning: Set learning goals, manage their own learning, reflect on their learning, adapt to new contexts, seek out new knowledge, collaborate with others and to continuously improve their skills and knowledge, through ongoing learning and professional development, and contribute to the growth and development of their field.</p>
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PO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
PO1	✓					
PO2		✓				
PO3			✓			
PO4				✓		
PO5					✓	
PO6						✓

2. Highlights of the Revamped Curriculum:

- Student-centric, meeting the demands of industry & society, incorporating industrial components, hands-on training, skill enhancement modules, industrial project, project with viva-voce, exposure to entrepreneurial skills, training for competitive examinations, sustaining the quality of the core components and incorporating application oriented content wherever required.
- The Core subjects include latest developments in the education and scientific front, advanced programming packages allied with the discipline topics, practical training, devising statistical models and algorithms for providing solutions to industry / real life situations. The curriculum also facilitates peer learning with advanced statistical topics in the final semester, catering to the needs of stakeholders with research aptitude.
- The General Studies and Statistics based problem solving skills are included as mandatory components in the 'Training for Competitive Examinations' course at the final semester, a first of its kind.
- The curriculum is designed so as to strengthen the Industry-Academia interface and provide more job opportunities for the students.
- The Statistical Quality Control course is included to expose the students to real life problems and train the students on designing a mathematical model to provide solutions to the industrial problems.
- The Internship during the second year vacation will help the students gain valuable work experience, that connects classroom knowledge to real world experience and to narrow down and focus on the career path.
- Project with viva-voce component in the fifth semester enables the student, application of conceptual knowledge to practical situations. The state of art technologies in conducting a Explain in a scientific and systematic way and arriving at a precise solution is ensured. Such innovative provisions of the industrial training, project and internships will give students an edge over the counterparts in the job market.
- State-of Art techniques from the streams of multi-disciplinary, cross disciplinary and interdisciplinary nature are incorporated as Elective courses, covering conventional topics to the latest DBMS and Computer software for Analytics.

Value additions in the Revamped Curriculum:

Semester	Newly introduced Components	Outcome/Benefits
I	Foundation Course To ease the transition of learning from higher secondary to higher education, providing an overview of the pedagogy of learning Literature and analysing the world through the literary lens gives rise to a new perspective.	<ul style="list-style-type: none"> ➤ Instill confidence among students ➤ Create interest for the subject
I, II, III, IV	Skill Enhancement papers (Discipline centric/Generic/Entrepreneurial)	<ul style="list-style-type: none"> ➤ Industry ready graduates ➤ Skilled human resource ➤ Students are equipped with the essential skills to make them employable ➤ Training on language and communication skills enable the students gain knowledge and exposure in the competitive world. ➤ Discipline centric skill will improve the Technical know-how of solving real life problems.
III, IV, V & VI	Elective papers	<ul style="list-style-type: none"> ➤ Strengthening the domain knowledge ➤ Introducing the stakeholders to the State-of-Art techniques from the streams of multi-disciplinary, cross-disciplinary and interdisciplinary nature ➤ Emerging topics in higher education/industry/communication network/healthcare

		althsectoretc.areintroduced with hands-on-training.
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IV	ElectivePapers	<ul style="list-style-type: none"> ➤ Exposuretoindustry modelsstudentsintosolution providers ➤ GeneratesIndustryready graduates ➤ Employmentopportunitiesenhanced
V Semester	Electivepapers	<ul style="list-style-type: none"> ➤ Self-learning isenhanced ➤ Applicationoftheconcept to real situation isconceivable resulting intangibleoutcome
VI Semester	Electivepapers	<ul style="list-style-type: none"> ➤ Enriches the studybeyond thecourse. ➤ Developingaresearch framework and presenting their independent and intellectual ideas effectively.
ExtraCredits: ForAdvancedLearners/Honorsdegree		<ul style="list-style-type: none"> ➤ Tocater totheneeds ofpeer learners/research aspirants
SkillsacquiredfromtheCourses	Knowledge, Problem Solving, Analyticalability, ProfessionalCompetency, ProfessionalCommunicationand TransferrableSkill	

Credit Distribution for UG Programmes

Sem I	Credit	H	Sem II	Credit	H	Sem III	Credit	H	Sem IV	Credit	H	Sem V	Credit	H	Sem VI	Credit	H
1.1 Part-1 Tamil or other Languages	3	6	2.1 Part-1 Tamil or other Languages	3	6	3.1 Part-1 Tamil or other Languages	3	6	4.1 Part-1 Tamil or other Languages	3	6	5.1 Core Course IX	4	5	6.1 Core Course -XIII	4	6
1.2 Part-2 English	3	6	2.2 Part-2 English	3	6	3.2 Part-2 English	3	6	4.2 Part-2 English	3	6	5.2 Core Course X	4	5	6.2 Core Course XIV	4	6
1.3 Core Course I	5	6	2.3 Core Course III	5	5	3.3 Core Course V	5	5	4.3 Core Course VII Core Industry Module	5	5	5.3 Core Course XI	4	5	6.3 Core Course XV	4	6
1.4 Core Course II	5	5	2.4 Core Course IV	5	5	3.4 Core Course VI	5	5	4.4 Core Course VIII	5	5	5.4 Core Course -/ Project with viva-voce XII	4	5	6.4 Elective VII Generic/ Discipline Specific	3	5
1.5 Elective I Generic/ Discipline Specific	3	5	2.5 Elective II Generic/ Discipline Specific	3	6	3.5 Elective III Generic/ Discipline Specific	3	5	4.5 Elective IV Generic/ Discipline Specific	3	6	5.5 Elective V Generic/ Discipline Specific	3	4	6.5 Elective VIII Generic/ Discipline Specific	3	5
1.6 Skill Enhancement Course-1	2	2	2.6 Skill Enhancement Course-2	2	2	3.6 Skill Enhancement Course 4, (Entrepreneurial Skill)	1	1	4.6 Skill Enhancement Course 6	2	2	5.6 Elective VI Generic/ Discipline Specific	3	4	6.6 Extension Activity	1	-
1.7 Skill Enhancement - (Foundation Course)	2	2	2.7 Skill Enhancement Course 3	2	2	3.7 Skill Enhancement Course 5	2	2	4.7 Skill Enhancement Course 7	2	2	5.7 Value Education	2	2	6.7 Professional Competency Skill	2	2
						3.8 Environmental Studies	2	2				5.8 Summer Internship /Industrial Training	2				
	23	32		23	30		24	32		23	32		26	30		21	30
Total - 140 Credits																	

Credit and Hours Distribution System for all UG courses including Lab Hours

First Year – Semester-I

Part	List of Courses	Credit	No. of Hours
Part-1	Tamil or other Languages	3	6
Part-2	English	3	6
Part-3	Core Courses & Elective Courses [in Total]	13	16
Part-4	Skill Enhancement Course COURSE-1	2	2
	Foundation Course	2	2
		23	32

Semester-II

Part	List of Courses	Credit	No. of Hours
Part-1	Tamil or other Languages	3	6
Part-2	English	3	6
Part-3	Core Courses & Elective Courses including laboratory [in Total]	13	16
Part-4	Skill Enhancement Course -COURSE-2	2	2
	Skill Enhancement Course -COURSE-3 (Discipline / Subject Specific)	2	2
		23	32

Second Year – Semester-III

Part	List of Courses	Credit	No. of Hours
Part-1	Tamil or other Languages	3	6
Part-2	English	3	6
Part-3	Core Courses & Elective Courses including laboratory [in Total]	13	15
Part-4	Skill Enhancement Course -COURSE-4 (Entrepreneurial Based)	1	1
	Skill Enhancement Course -COURSE-5 (Discipline / Subject Specific)	2	2
	Environmental Studies	2	2
		24	32

Semester-IV

Part	List of Courses	Credit	No. of Hours
Part-1	Tamil or other Languages	3	6
Part-2	English	3	6
Part-3	Core Courses & Elective Courses including laboratory [in Total]	13	13
Part-4	Skill Enhancement Course -COURSE-6 (Discipline / Subject Specific)	2	2
	Skill Enhancement Course -COURSE-7 (Discipline / Subject Specific)	2	2
		23	32

Third Year

Semester-V

Part	List of Courses	Credit	No. of Hours
Part-3	Core Courses including Project / Elective Based	22	28
Part-4	Value Education	2	2
	Internship / Industrial Visit / Field Visit	2	
		26	30

Semester-VI

Part	List of Courses	Credit	No. of Hours
Part-3	Core Courses including Project / Elective Based & LAB	18	28
Part-4	Extension Activity	1	-
	Professional Competency Skill	2	2
		21	30

METHOD OF EVALUATION:

Continuous Internal Assessment	End Semester Examination	Total
25	75	100

PART	TITLE OF THE COURSE	CREDIT	HOURS/WEEK		Maximum Marks		
			Theory	Practical	CIA	ESE	Total
Semester I							
1.1 Part-1	Tamil or other Languages	3	6	-			
1.2 Part-2	English I	3	6	-			
1.3 Core Course I	Core Course I Fiber to Fabric	5	6	-			
1.4 Core Course II	Core Course II Fashion Designing	5	5	-			
1.5 Elective I Generic / Discipline Specific	Elective-I Generic / Discipline specific a. Care and Maintenance of Textiles b. Fashion Appreciation c. Non-Woven	3	5	-			
1.6 Skill Enhancement Course-1	Skill Enhancement Course 1 - Fashion Sketching Practical	2	-	2			
1.7 Skill Enhancement -(Foundation Course)	Skill Enhancement - Fashion Designing (P)	2	-	2			
Total		23	28	4			
Semester-II							
2.1 Part-1 Tamil or other Languages	Tamil or other Languages	3	6	-			
2.2 Part-2 English	English II	3	6	-			
2.3 Core Course III	Core Course III - Basics of Garment Construction	5	5	-			
2.4 Core Course IV	Core Course IV - Basics of Garment Construction Practical	5	-	5			
2.5 Elective II Generic / Discipline Specific	Elective-II Generic / Discipline specific a. Basics of Cosmetology b. Home Textiles c. Garment accessories and trims	3	6	-			
2.6 Skill Enhancement Course-2	Skill Enhancement course 2 - Surface Embellishment Practical	2	-	2			
2.7 Skill Enhancement Course 3	Skill Enhancement course 3 - Fiber to Fabric Practical	2	-	2			
Total		23	23	9			

Semester-III						
3.1 Part-1	Tamil or other Languages	3	6	-		
3.2 Part-2	EnglishIII	3	6	-		
3.3 Core Course V	Core CourseV- Fabric StructureandDesign	5	5	-		
3.4 Core Course VI	CoreCourse VI GarmentConstruction-Children'swear Practical	5	-	5		
3.5 Elective III Generic/ Discipline Specific	Elective-III Generic/DisciplineSpecific a. HomeTextilesPractical b. Fashion PhotographyPractical c. Ornaments and AccessorymakingPractical	3	-	4		
3.6 Skill Enhancement Course 4, (Entrepreneurial Skill)	Skill Enhancement course 4(Entrepreneurialskill)- Business startup	1	1	-		
3.7 Skill Enhancement Course 5	Skill Enhancement course 5- FabricStructureandDesign Practical	2	-	2		
3.8 E.V.S.	Environmental Studies	2	2	-		
Total		24	23	11		
Semester-IV						
4.1 Part-1	Tamil or other Languages	3	6	-		
4.2 Part-2	EnglishIV	3	6	-		
4.3 Core Course VII Core Industry Module	CoreCourseVII -Industry module -IndustrialGarmentMachineries	5	5	-		
4.4 Core Course VIII	CoreCourse-VIII-TextileWet Processing	5	5	-		
4.5 Elective IV Generic/ Discipline Specific	Elective – IV Generic/DisciplineSpecific a. DrapingPractical b. Design process and productdevelopmentPractical c. Pattern Making for Knitspractical	3	-	6		
4.6 Skill Enhancement Course 6	Skill Enhancement Course 6 -TextileDyeingandPrinting Practical	2	-	2		
4.7 Skill Enhancement Course 7	SkillEnhancementCourse7- Computer Aided Design IPractical	2	-	2		
Total		23	22	10		

Semester-V							
5.1 Core Course IX	Costumes and Textiles of India	4	5	-			
5.2 Core Course X	Garment Quality and Cost Control	4	5	-			
5.3 Core Course XI	Garment Construction-Adult Wear Practical	4	-	5			
5.4 Core Course - XII - Project	Project with Viva-Portfolio Development	4	-	6			
5.5 Elective V Generic/ Discipline Specific	Elective -V Generic/Discipline specific Eco Dyeing and Printing Practical Knitting practical Design for high end knits	3	-	4			
5.6 Elective VI Generic/ Discipline Specific	Elective -VI Generic/Discipline Specific Marketing and Merchandising Knitting Apparel Brand management	3	4	-			
5.7 Value Education	Value Education	2	2	-			
5.8 Summer Internship /Industrial Training	Summer Internship/Industrial Training*	2	-	-			
Total		26	16	16			
Semester VI							
6.1 Core Course - XIII	The Business of Fashion	4	6	-			
6.2 Core Course XIV	Computer Applications in Garment Industry	4	6	-			
6.3 Core Course XV	Computer Aided Design II Practical	4	-	6			
6.4 Elective VII Generic/ Discipline Specific	Generic/Discipline Specific Organisation of garment Unit Technical Textiles Entrepreneurship development	3	5	-			
6.5 Elective VIII Generic/ Discipline Specific	E-VIII Generic /Discipline Specific Sustainable Product development Practical Couture design development practical Textile Testing Practical	3	-	5			
6.6 Extension Activity	Extension Activity	1	-	-			
6.7 Professional Competency Skill	Professional Competency Skill - Communication and Work Ethics for Apparel Industry	2	2	-			
Total		21	19	11			
Total Credits		140					

SEMESTERI

Coursecode	FIBER TO FABRIC			L	T	P	C
Core1				5	-	-	5
Pre-requisite	Basicknowledgeintextilescience						
CourseObjectives:							
Themainobjectivesofthiscourseareto:							
<ol style="list-style-type: none"> 1. Impartknowledgeonthemanufacturingprocessoffabricfromthefiber 2. Teachthethodsandtechniquesinvolvedinthefibre,yarnandfabricmanufacturingprocess 3. Knowthetrendsandtechnologiesfollowedinthetextileindustry 							
ExpectedCourseOutcomes:							
Onsuccessfulcompletionofthecourse,studentwillbeableto:							
CO1	Classifyfibersandunderstandthemanufacturingandpropertiesofnaturalfibers					K2	
CO2	Discoverthemanufacturingprocessofmanmadefiber					K3	
CO3	Understandtheyarntypesanditsmanufacturingprocess					K2	
CO4	Describetheweavingmethodsanditscharacteristicfeatures					K1	
CO5	Gainanunderstandingofknittingandnonwovens					K4	
K1-Remember;K2-Understand;K3-Apply;K4-Analyze;K5-Evaluate;K6–Create							
Unit:1							
FiberClassification,Naturalfibers						15hours	
IntroductiontoTextilesFibers -classificationoffibers–primaryandsecondarycharacteristicsof TextileFibers Manufacturingprocess,propertiesandusesofnaturalfibers–cotton, linen,Jute, silk,wool.BriefstudyaboutOrganic Cotton,woolen and worstedyarn, typesof silk.							
Unit:2							
Regeneratedandsyntheticfibers						15hours	
Manufacturingprocess,properties,andusesofman-made fibers–Viscoserayon,nylon,polyester, acrylic.Briefstudyonpolymerization,bamboo,spandex,Microfibers&its properties. Texturization: Objectives, Typesoftexturedyarns&MethodsofTexturization.							
Unit:3							
Yarnmanufacturing						15hours	
Spinning–Definitionandclassification;Chemicalandmechanicalspinning; CottonYarnProductionsequenceandobjectives- opening,cleaning,doubling,carding,combing,drawing,roving,spinning.Comparisonofcardedand combedyarn Yarn-Definitionandclassification- simpleandfancyyarns.ManufacturingProcessofsewingthreads– cottonandsynthetic. Yarnnumberingsystems-Significanceofyarntwist							
Unit:4							
WeavingMechanism						15hours	
Classification of fabric forming methods – Weaving preparatory processes and its objectives – Warping,Sizing andDrawing–in. Weavingmechanism- Primary,secondary&auxiliarmotionsofaloom.Partsandfunctionsofasimpleloom;Classification oflooms Salientfeaturesofautomaticlooms;Shuttlelooms,itsadvantages-Typesofshuttlelesslooms– Rapier–Projectile–Airjet– Waterjet.							
Unit:5							
KnittingandNon-WovenFabrics						15hours	

Knitting-Definition,classification.Principlesofweftandwarpknitting–Termsofweft knitting.Knittingmachineelements.Classificationofknittingmachines.Characteristicsofbasicweftknitstructures.

Introduction to Non-Wovens-Application and uses		Total Lecture hours	75 hours
Text Books			
1	Handbook of Technical Textiles Volume I- Edited by A R Horrocks and S C Anand, Woodhead publishing Ltd, England, 2016.		
2	Handbook of Technical Textiles- Edited by A R Horrocks and S C Anand, Woodhead publishing Ltd, England, 2000.		
3	Handbook of Technical Textiles, Volume 2: Technical Textile Applications- Edited by A. Richard Horrocks and Subhash C. Anand, Woodhead publishing Ltd, England, 2016.		
Text Books			
1	Textile Mechanisms in Spinning and Weaving Machines, Ganapathy Nagarajan, Woodhead Publishing India in Textiles, 2014.		
2	Mechanisms of Flat Weaving Technology, Elena V, Chepelyuk, Palitha Bandara and Valeriy V Choogin; Woodhead Publishing series in Textiles, 2013.		
3	Handbook of fiber science and Technology, Menachem Lewin and Stephen B Sello, Marcel Dekker, Inc, New York, 1984.		
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]			
1	http://textilefashionstudy.com		
2	https://fashion2apparel.blogspot.com/2017/07/classification-loom.html		
3	https://www.inda.org/about-nonwovens/		

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

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

Coursecode	FASHIONDESIGNING			L	T	P	C
CoreII				5	-	-	5
Pre-requisite	Basicknowledgeindesigning						
CourseObjectives:							
Themainobjectivesofthiscourseareto:							
<ol style="list-style-type: none"> 1. Impartknowledgeondesignconceptsinthefieldoffashion 2. Familiarisewiththefashioncycles,consumersandtheories 3. Designsuitablegarmentsforunusualfiguretypes 							
ExpectedCourseOutcomes:							
Onthesuccessfulcompletionofthecourse,studentwillbeableto:							
CO1	Understandthedesigntypes,elementsandprinciplesofdesign						K2
CO2	Appraisethecolourcombinationswithstandardcolourharmonies						K5
CO3	Interpretthefashioncycles,consumergroupsandfashiontheories						K2
CO4	Developdressdesignforunusualfiguretypes						K6
CO5	Defineanddescribethefashionterminologiesandfashionprofiles						K1
K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6- Create							
Unit 1	DesignElementsandPrinciples						15hours
Design-definitionandtypes– structuralanddecorativedesign,requirementsofagoodstructuralanddecorativedesign in dress Elements of design and its application in dress – line, shape or form, colour and texture. Principles of design and its application in dress – balance, rhythm, emphasis, harmony and proportion.							
Unit:2	StandardColourHarmonies						15hours
Colourtheories;PrangcolourchartDimensionsofcolour-hue,value,andintensity. Standardcolourharmonies–Related,ContrastingandNeutralcolourharmony;ApplicationofColourin principlesofdesign- applicationofthesamein dress design.							
Unit:3	FashionEvolutionandFashionForecasting						15hours
Fashionevolution–Fashioncycles,Lengthofcycles,consumergroupsinfashioncycles– fashionleaders,fashioninnovators,fashionmotivation,fashionvictim,Fashionfollowers.AdoptionofFashiontheories–Trickledown,trickleupandtrickleacross.Fashionforecasting–Needforforecasting							
Unit:4	DesigningDressesforUnusualFigures						15hours
Deigningdressesforunusualfigures–becomingandunbecoming– forthefollowingfiguretypes.Stoutfigure,thinfigure,narrowshoulders,broadshoulders,roundshoulders,largebust,flat chest,largehip,largeabdomen,roundface,largeface,smallface,prominentchinandjaw, prominentforehead							
Unit:5	FashionTerminologiesandFashionProfiles						15hours
Definitionandmeaningofthefashionterms– fashion,style,lineandcollection,Mannequinanddressforms;fashionshow;highfashion;Haute couture,c outureandcouturier;knock-off;AvantGarde;Pret-a-porter. Role/qualitiesofaFashionDesigner,FashionStylist,FashionJournalist,FashionMerchandiser,Fashion Director.							

		TotalLecturehours	75hours
TextBooks			
1	FashionSketchBook–BinaAbling,FairChildPublications,NewYorkWardrobe,1988.		
2	ArtandFashioninClothingSelection–Mc JimseyandHarriet,IowaStateUniversityPress ,Jowa,1973.		
ReferenceBooks			
1	FashionFromConcepttoConsumer–FringsGiniStephens,PearsonEducation,US,1998.		
2	InsidetheFashionBusiness–KittyG.Dickerson,PearsonEducation,US,2007.		
RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]			
1	https://www.apparesearch.com/terms/index.htm		
2	https://www.instyle.com/fashion		
3	https://prezi.com/1tlwgnhviqs-/fashion-elements-and-principles-of-design/		

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

Coursecode	FASHIONS KETCHING PRACTICAL			L	T	P	C
Skill Enhancement Course - 1				-		2	2
Pre-requisite	Basic drawing skills						
Course Objectives:							
The main objectives of this course are to:							
<ol style="list-style-type: none"> 1. Impart skills in drawing and colouring. 2. Illustrate garments sketches for children, women, and men. 3. Create sketches of different parts of a human body in different perspectives 							
Expected Course Outcomes:							
On the successful completion of the course, student will be able to:							
CO1	Illustrate garment designs for children			K4			
CO2	Illustrate garment designs for women			K4			
CO3	Illustrate garment designs for men			K4			
CO4	Sketch the parts of the body in various perspectives			K3			
CO5	Sketch different views of male and female face			K3			
K1-Remember; K2- Understand; K3-Apply; K4-Analyze; K5 -Evaluate; K6- Create							
1. Illustrate the Following in Different Perspectives						6 hours	
Instructions – Create male and female							
<ul style="list-style-type: none"> • Eyes • Ears • Nose • Lips • Hairstyles • Arms • Legs 							
2. Sketch the face of male and female in different views						6 hours	
<ul style="list-style-type: none"> • Front view • Three quarter turned view • Profile view (side view) 							
3. Illustrate the Following Children's Garments						6 hours	
Instructions – Create designs and Colour using any medium; Give details							
<ul style="list-style-type: none"> • Bib • Jablaw with knicker • Babasuit • Frocks 							
4. Illustrate the Following Women's Garments						6 hours	
Instructions – Create designs; Colour using any medium; Give details							
<ul style="list-style-type: none"> • Skirts • Ladies tops • Salwar 							

<ul style="list-style-type: none"> • Kameez • Maxi/Gown • Dungarees 	
5. Illustrate the Following Men's Garments	6 hours
Instructions–Createdesigns;Colourusinganymedium;Givedetails <ul style="list-style-type: none"> • T-Shirts • Shirts • Pants • Kurta • Pyjama 	
Total Lecture hours	
30 hours	
Text Books	
1	Fashion Design Drawing and Presentation, Ireland Patrick John, Pavilion Books, 1982.
2	Fashion Design Illustration: Children, Ireland Patrick John, BT Batsford Ltd, 1995.
3	Fashion Design Illustration: Men, Ireland Patrick John, BT Batsford Ltd, 1996.
Reference Books	
1	Fashion Illustration, Kiper Anna, David & Charles, 2011. ISBN: 9780715336182.
2	Foundation in fashion design and illustration– Julian Seaman, Batsford Publishers, 2001.
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://www.idrawfashion.com/
2	https://www.fashionistasketch.com/drawing-faces-fashion-illustration/
3	https://in.pinterest.com/pin/458804280762797371/

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	S	M	S	L	M
CO2	S	S	M	S	L	M
CO3	S	S	M	S	L	M
CO4	S	S	M	S	L	M
CO5	S	S	M	S	L	M

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

Coursecode	FASHIONDESIGNING PRACTICAL			L	T	P	C
SkillEnhancementFC				-	-	2	2
Pre-requisite	KnowledgeinFashionSketching						
CourseObjectives:							
Themainobjectivesofthiscourseareto:							
<ol style="list-style-type: none"> 1. Familiariewiththeelementsandprinciplesofdesign. 2. Playwithcoloursfollowingthestandardcolourharmonies. 3. Creategarmentdesignforvariousseasonsonfashionfigures. 							
ExpectedCourseOutcomes:							
Onthesuccessfulcompletionofthecourse,studentwillbeableto:							
CO1	DevelopPrangcolourchart,valueandintensitychart					K6	
CO2	Illustratehumanfigures-child,womenandmen					K4	
CO3	Sketchgarmentdesignsfollowingthevariouselementsdesign					K3	
CO4	Applytheprinciplesofdesignandcolourharmoniesingarmentsdesign					K3	
CO5	Creategarmentdesignsforvariousseasons					K6	
K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6- Create							
1.PreparethefollowingCharts						5hours	
<ul style="list-style-type: none"> • Prangcolourchart, • Valuechart • Intensitychart 							
2.IllustrateHumanFigurefortheFollowingHeads						5hours	
<ul style="list-style-type: none"> • Child-6head. • Women-8head,10headand12head. • Man-10head 							
3.IllustrateGarmentDesignsfortheElementsofDesign						5hours	
<ul style="list-style-type: none"> • Line • Texture • Shape 							
4.IllustrateGarmentDesignsforthePrinciplesofDesign						5hours	
<ul style="list-style-type: none"> • Balance(FormalandInformal) • Harmony • Emphasis • Proportion • Rhythm(byRepetition,GradationandLineMovement) 							
5.IllustratetheColourHarmonyinDressDesign						5hours	
<ul style="list-style-type: none"> • Monochromatic • Analogous • Complimentary • Doublecomplementary • Splitcomplementary 							

<ul style="list-style-type: none"> • Triad • Neutral 	
6. Create Garments for the Following Seasons	5 hours
<ul style="list-style-type: none"> • Summer • Winter • Autumn • Spring 	
Total Lecture hours	
30 hours	
Text Books	
1	Fashion Sketch Book, Bina Abling, Fair Child Publications, New York Wardrobe, 1988.
2	Illustrating Fashion, Kathryn McKelvey and Janine Munslow, Blackwell Science, 1997.
Reference Books	
1	Art and Fashion in Clothing Selection, McJimsey and Harriet, Iowa State University Press, Iowa, 1973.
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://www.idrawfashion.com/
2	https://www.fashionistasketch.com/drawing-faces-fashion-illustration/
3	https://in.pinterest.com/pin/458804280762797371/

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	S	M	S	L	M
CO2	S	S	M	S	L	M
CO3	S	S	M	S	L	M
CO4	S	S	M	S	L	M
CO5	S	S	M	S	L	M

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

SEMESTERII

Coursecode	BASICS OF GARMENT CONSTRUCTION			L	T	P	C
Core III				5	-	-	5
Pre-requisite	Basic knowledge about garment components						
Course Objectives:							
The main objectives of this course are to:							
1. Teach the basics of the functions of these sewing machine and the essential tools							
2. Explain the techniques of pattern making, grading and alteration							
3. Understand the types of sleeves, yokes and collars							
Expected Course Outcomes:							
On the successful completion of the course, student will be able to:							
CO1	Describe the functions of a sewing machine and the tools needed for sewing					K2	
CO2	Compare the methods of preparing pattern					K2	
CO3	Appraise the types of sleeve					K4	
CO4	Analyze the types of collars and yokes					K4	
CO5	Appraise the techniques in pattern layout, alteration and grading					K5	
K1-Remember; K2- Understand; K3-Apply; K4-Analyze; K5 -Evaluate; K6- Create							
Unit:1							
Essentials of Sewing						15hours	
Parts and functions of a single needle machine, essential tools – cutting tools, measuring tools, marking tools, embroidery tools, general tools, pressing tools, Body measurement – importance, Method of taking measurements for ladies and men. Measurements required for women's salwar and kameez. Measurements required for men's shirt and Pant.							
Unit:2							
Pattern Making and Fitting						15hours	
Pattern Making – Types; Drafting, Draping and Commercial Patterns; Advantages and Limitations. Methods of transferring pattern markings; Grain – Importance, its types; Fitting – Standards of a good fit							
Unit:3							
Sleeve and Its Types						15hours	
Sleeves – definition, types, set-in-sleeves – plain sleeve, puff sleeve, bishop sleeve, bell, circular. Modified armhole – squared armhole. cap sleeve and Magyar sleeve. Sleeve and bodice combined – raglan, kimono and dolman							
Unit:4							
Types of Collars and Yokes						15hours	
Collars – definitions, types, peter pan, scalloped, puritan, sailor, square, rippled, full shirt collar, open collar, Chinese, turtleneck, shawl collar Yokes – types, simple yoke, yoke with fullness within the yoke, yokes supporting/releasing fullness.							
Unit:5							
Pattern Alteration, Layout and Grading						15hours	
Pattern alteration – importance of altering patterns, general principles for pattern alteration, common pattern alteration in blouse. Pattern layout – definition, purpose, rules in layout, types of layouts Pattern grading (manual) – definition, basic front, basic back basics sleeve							



		TotalLecturehours	75hours
TextBooks			
1	PracticalClothingConstruction–PartI,MaryMathews,CosmicPress,Chennai,1986.		
2	PracticalClothingConstruction–PartII,MaryMathews,CosmicPress,Chennai,1986.		
3	Zarapkersystemofcutting–Zarapker.K.R.,NavneetpublicationsLtd,1994.		
ReferenceBooks			
1	PatternGradingforWomen’sclothing,Thetechnologyofsizing,GerryCooklin,Blackwell ScienceLtd,1990.		
2	SewingandKnitting–AReadersDigest,Step-by-StepGuide,ReadersDigestPvtLtd, Australia,1993.		
RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]			
1	http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827		
2	https://fashion2apparel.blogspot.com/2017/03/pattern-grading-methods-apparel.html		
3	https://textilelearner.blogspot.com/2014/10/a-focus-on-garments-fitting.html		
4	https://www.fibre2fashion.com/industry-article/5658/basics-of-pattern-making		

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	M	M	S	L	M
CO2	S	M	M	M	L	L
CO3	S	S	S	M	L	M
CO4	S	S	S	M	L	M
CO5	S	M	M	S	L	L

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

Coursecode	BASICS OF GARMENT CONSTRUCTION PRACTICAL			L	T	P	C
Core IV				-	-	5	5
Pre-requisite	Basicknowledgeingarmentconstruction						
Course Objectives:							
Themainobjectivesofthiscoursearetocreate:							
<ol style="list-style-type: none"> 1. Impartsewingskillsincreatinggarmentcomponents. 2. Developminiaturepatternsforkirts,sleeves,collarsandyoke. 3. Createminiaturesamplesforkirts,sleeves,collarsandyoke 							
Expected Course Outcomes:							
Onthesuccessfulcompletionofthecourse,studentwillbeableto:							
CO1	Developsamplesforseams,seamfinishesandhems					K6	
CO2	Createsamplesforfullnessandnecklinefinishes					K6	
CO3	Createsamplesforplacketsfastenersandpockets					K6	
CO4	Constructminiaturesamplesforkirtandsleeves					K6	
CO5	Constructminiaturesamplesforcollarsandyoke					K6	
K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6- Create							
1.Preparation Samples for the Following						35hours	
<ol style="list-style-type: none"> 1. Seams–Plainseam,topstitchedseam,flatfellseam,ppedseam,lappedseam 2. SeamFinishes–doublestitch,edgestitched,overlock(optional) 3. Hems–narrow,stitchedandturned,hemsforcircularshape 4. Darts–singleanddouble 5. Tucks–Pintuck,crosstuck,grouptucking 6. NecklineFinishes–Biasfacing,BiasbindingandShapedfacing 7. Plackets–continuousplacket,boundplacketandfacedplacket,zipperplacket,tailoredplacket 8. Fasteners–Pressbuttons,Hookandeye,ButtonandButtonhole 9. Pocket–Patchpocket,sideseampocket,boundandfacedpocket 							
2.Prepare Miniature Samples for the following						40hours	
<ol style="list-style-type: none"> 1. Skirt–pleatedskirt,gatheredskirt,circularskirt 2. Sleeve–Plainsleeve,MagyarSleeve,RaglonSleeve 3. Collar-Flatcollar(anytype),Opencollar 4. SimpleYoke 							
Total Lecture hours						75hours	
Text Books							
1	PracticalClothingConstruction–PartI,MaryMathews,CosmicPress,Chennai,1986.						
2	PracticalClothingConstruction–PartII,MaryMathews,CosmicPress,Chennai,1986.						
3	Zarapkersystemofcutting–Zarapker.K.R.,NavneetpublicationsLtd,1994.						
Reference Books							
1	SewingandKnitting–AReadersDigest,Step-by-StepGuide,ReadersDigestPvtLtd,Australia,1993.						
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]							
1	http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827						

2	https://fashion2apparel.blogspot.com/2017/03/pattern-grading-methods-apparel.html
3	https://textilelearner.blogspot.com/2014/10/a-focus-on-garments-fitting.html
4	https://www.fibre2fashion.com/industry-article/5658/basics-of-pattern-making

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	L	M	M	M	M
CO2	S	L	M	M	M	M
CO3	S	L	M	M	M	M
CO4	S	L	M	M	M	M
CO5	S	L	M	M	M	M

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

Coursecode		SURFACE EMBELLISHMENTSP RACTICAL	L	T	P	C
Skill Enhancement Course- 2			-	-	2	2
Pre-requisite		Knowledge in Fashion Sketching				
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 1. Inherit embroidery skills by hand and machine 2. Appreciate the beauty and intricacies of the traditional embroideries of India 3. Enhance creativity by the application of smocking 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Create hand embroidery samples					K6
CO2	Create machine embroidered samples					K6
CO3	Develop samples using surface enrichment					K3
CO4	Design and develop samples for drawn thread embroidery, applique, quilting					K6
CO5	Create added structural effects using smocking					K6
K1-Remember; K2- Understand; K3-Apply; K4-Analyze; K5 -Evaluate; K6- Create						
1. Create Hand Embroidery Samples (10 stitches and 5 samples)						6 hours
<ul style="list-style-type: none"> • Outlines stitches • Filling stitches • Loop stitches • Cross stitches 						
2. Create Embroidery Samples Using Machine						6 hours
<ul style="list-style-type: none"> • Running stitch • Satin Stitch • Granite Stitch • Cording • Needle cording 						
3. Create the Following Samples						6 hours
<ul style="list-style-type: none"> • Beadwork • Sequinwork • Ribbon embroidery • Mirrorwork • Drawn threadwork 						
4. Create Samples with Applique, Patchwork and Quilt (any 2 types)						6 hours
<ul style="list-style-type: none"> • Applique • Simple/Geometric patchwork • Quilting 						
5. Create Samples with Smocking						6 hours
<ul style="list-style-type: none"> • French Smocking (any 3 types) • Chinese Smocking 						

		Total Lecture hours	30 hours
Text Books			
1	Shailaja D Naik, Traditional Embroideries of India, APH Publishing, 1996		
2	Megan Eckman, Everyday Embroidery for Modern Stitchers, C&T Publishing, 2020		
Reference Books			
1	Libby Moore, Thread Folk: A Modern Makers Book of Embroidery Projects and Artist Collaborations, Paige Tate & Co, 2019		
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]			
1	https://sewguide.csom/smocking/		
2	https://www.youtube.com/watch?v=Ug2d1NUuE4A		
3	https://www.youtube.com/watch?v=uJ2SyeFA_B4		
4	https://www.youtube.com/watch?v=nJz9c8gEvFg		

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	L	M	M	M	M
CO2	S	L	M	M	M	M
CO3	S	L	M	M	M	M
CO4	S	L	M	M	M	M
CO5	S	L	M	M	M	M

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

Coursecode	FIBER TO FABRIC PRACTICAL			L	T	P	C
Skill Enhancement Course - 3				-	-	2	2
Pre-requisite	Basic knowledge in textile science						
Course Objectives:							
The main objectives of this course are to:							
<ol style="list-style-type: none"> 1. Identify the type of fibers. 2. Test the yarn count and fabric count. 3. Test the fabric for the following parameters: twist, course length, weight, shrinkage, colour fastness and absorbency. 							
Expected Course Outcomes:							
On the successful completion of the course, student will be able to:							
CO1	Distinguish the type of fiber by microscope, flame test and chemical tests					K1	
CO2	Determine the count of the yarn and fabric					K3	
CO3	Test the fabric for fabric weight and course length of the fabric					K2	
CO4	Evaluate the color fastness and shrinkage of fabric					K5	
CO5	Experiment the absorbency of fabric					K4	
K1-Remember; K2- Understand; K3-Apply; K4-Analyze; K5 -Evaluate; K6- Create							
1. Identification of Textile fibers						10 hours	
<ul style="list-style-type: none"> • Microscopic Method • Flame test. • Chemical test 							
2. Testing of Yarn and Fibers						5 hours	
<ul style="list-style-type: none"> • Yarn Count using Wrap Reel • Yarn Count using Besley's Balance • Twist of the Yarn 							
3. Testing of Fabric						15 hours	
<ul style="list-style-type: none"> • Fabric Weight • Fabric Count by Ravelling Method • Fabric Count with Pick Glass • Course Length and Loop length of Knitted Fabric • Colour Fastness to Washing • Tests of Shrinkage • Tests of Absorbency 							
Total Lecture hours						30 hours	
Text Books							
1	Textiles – Fibre to fabric, Corbmann B.P, International students edition, McGraw Hill. Book company, Singapore, 1985.						
2	Textile fabrics and their Selection – Isabel Barnum Wingate, Published by Prentice-Hall, 1964.						

ReferenceBooks	
1	IdentificationofTextileFibers1 st EditionbyMaxM.Houck,WoodheadPublishingin Textiles,Cambridge,Newdelhi,2009.
2	Textilescience,Gohi,CBSPublishersandDistributors,India,2005.
RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]	
1	https://textilelearners.com/textile-fibers-identification-process/
2	https://www.textilesphere.com/2020/04/identification-of-textile-fibers.html

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	L	M	M	S	S	L
CO2	M	M	M	S	S	M
CO3	M	M	M	S	S	L
CO4	M	M	S	M	S	M
CO5	L	L	S	M	S	L

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

SEMESTER III

Coursecode	FABRICSTRUCTURE ANDDESIGN			L	T	P	C
CoreV				5	-	-	5
Pre-requisite	Basicknowledgeaboutweaving.						
CourseObjectives:							
Themainobjectivesofthiscourseareto:							
<ol style="list-style-type: none"> 1. Tolearntheelementsofwovendesign 2. Tostudythedifferenttypesofweave 3. Tounderstandthedraftandliftingplan 							
ExpectedCourseOutcomes:							
Onthesuccessfulcompletionofthecourse,studentwillbeableto:							
CO1	Toclassifydifferenttypesofweaves						K2
CO2	Todrawthedesign,draftandpegplanofweaves.						K6
CO3	Todifferentiatebetweendifferenttypeofweaves						K4
CO4	Toconstructdifferenttypesofweaves						K6
CO5	Applythemethodsoffabricrepresentation						K3
K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6- Create							
Unit:1	ElementsofWovenDesign						15hours
Elementsofwovendesign,Methodsoffabricrepresentation,Draftandliftingplan,Construction ofelementaryweaves–plain,warprib,weftrib,twill,modificationoftwills,satinandsateenweaves– their derivatives							
Unit:2	TypesofWeaves						15hours
OrdinaryandBrightenhoneycomb,itsmodification,Huckabackanditsmodifications,Crepeweaves, Mockleno							
Unit:3	FiguredFabrics						15hours
ExtrawarpandExtraweftfiguring–singleandtwocolours,planting,backedfabric,warbandweftbacked fabrics							
Unit:4	PileFabrics						15hours
Pilefabric–Formation ofpile–weftpile–plainback,twillback–length,density andfastnessofpile– corduroyweftplush. Warppile–Terrypile,withtheadofwires,facetofacewarppile							
Unit:5	DoubleCloth						75hours
Doublecloth–Classification,Selfstitched–Facetoback,Backtoface,Both.Centrestitched– warbandweft.Interchangingdoublecloth.							
						TotalLecturehours	60hours
TextBooks							
1	GokarneshanN,FabricStructureandDesign,NewAgeInternationalPublishersLtd,NewDelhi,200 4.						
2	GrosichkliZNewness,Watson’sAdvancedTextileDesign,ButterWorths,London,1989.						
ReferenceBooks							

1	CorbmanBP,Textiles– FibretoFabric,InternationalStudentsEdition,Mc.GrawHillbookCo,Singapore,1985
RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]	
1	https://textilelearner.blogspot.com/2011/06/weaving-weaving-mechanism_643
2	https://textilelearner.blogspot.com/2012/07/basic-woven-fabric-structure-plain
3	http://textilefashionstudy.com/category/fabric-manufacturing-technology-2
4	http://www.warporweft.com/types-of-looms

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	M	S	M	S	S	S
CO2	M	S	L	S	S	S
CO3	M	S	M	S	S	S
CO4	L	S	M	S	S	S
CO5	L	S	L	S	S	S

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

Coursecode	GARMENT CONSTRUCTION – CHILDREN’SWEARPRACTICAL		L	T	P	C
CoreVI			-	-	5	5
Pre-requisite	Basicknowledgeingarmntconstruction					
CourseObjectives:						
Themainobjectivesofthiscourseareto:						
<ol style="list-style-type: none"> 1. Designgarmentsforchildren. 2. Impartskillsinpatternrafting. 3. Constructgarmentsbysewing. 						
ExpectedCourseOutcomes:						
Onthesuccessfulcompletionofthecourse,studentwillbeableto:						
CO1	Designgarmentsforchild				K6	
CO2	Developpatternsusingraftingmethod				K6	
CO3	Selectthenecessarytoolsneededforsewing				K6	
CO4	Constructgarmentsbysewing				K3	
CO5	Discovernewtechniquesinpatternmakingandgarmentconstruction				K4	
K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6– Create						
1.Design,DraftandConstructtheFollowingGarmentsforaChild						75hours
<ul style="list-style-type: none"> • Bib • Panty • Jabla • Knicker • Babasuit • Alinefrock • Summerfrock • Midiandtop • Frock-Partywear 						
					TotalLecturehours	75hours
TextBooks						
1	PracticalClothingConstructing-PartIandII,MaryMathews,CosmicPress,Chennai,1986.					
2	ZarapkerSystemofCutting-Zarapker.Kltd.R,NavneetPublications,1994.					
ReferenceBooks						
1	CuttingandtailoringCourseGayatriVerma&KapilDev,ComputechPublications,2009.					
RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]						
1	http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827					
2	https://www.youtube.com/watch?v=nI-ShbmnuVg					
3	https://www.youtube.com/watch?v=LuazkYL0J3A					
4	https://www.youtube.com/watch?v=zLkNgkzx-wI					

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	M	S	S	M	M
CO2	S	M	S	S	M	M
CO3	S	M	S	S	M	M
CO4	S	M	S	S	M	M
CO5	S	M	S	S	M	M

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

Coursecode	BUSINESS STARTUP			L	T	P	C
Skill Enhancement Course-4 (Entrepreneurial skill)				1	-	-	1
Pre-requisite	Basic knowledge about Business						
Course Objectives:							
The main objectives of this course are to:							
<ol style="list-style-type: none"> 1. Impart skill in starting a business. 2. Gain knowledge about business planning and evaluation. 3. Be aware of IPR and copyright. 							
Expected Course Outcomes:							
On the successful completion of the course, student will be able to:							
CO1	To identify pain points, customer problems and develop prototype					K2	
CO2	To identify and evaluate business opportunities					K4	
CO3	To Prepare business plan and identify competitors					K5	
CO4	To plan financial sources					K4	
CO5	To understand IPR, Brand and copyright					K3	
K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6- Create							
Unit:1	Business startup – An Introduction					3hours	
Business startup- terms and definition, Introduction to pain points, identification of pain points, empathize with Customer Problems, market survey, develop prototype, gather prototype sample feedback.							
Unit:2	Business Ideas and Opportunities					3hours	
Gather sources of ideas, identify business opportunities (performance of existing industries, export and import data, availability of raw material, government policies, trade fairs, abroad trends), evaluation of business opportunities, BCG Matrix, Brainstorm worksheet.							
Unit:3	Business Plan					3hours	
Prepare business plan, perform business model canvas, identify market gap and potential customers, understand target segment, evaluate target customer, value proposition canvas, SWOT analysis, identify peer competitors, competitor analysis.							
Unit:4	Financial Status and Analysis					3hours	

Introduction of financial statements, financial analysis, value proposition financial feasibility, revenue stream, cost structure, MSME schemes, government Schemes and subsidy for startups, difference between angel investor and venture capitalist.		
Unit:5	Intellectual Property Rights	3hours
Intellectual property rights in fashion business, Patents: meaning and law regarding Patent, what can be patented, conditions of patent, rights of patentees, Trademark: meaning and definition Brand: definitions, distinction between Trademark and Brand Copyrights: meaning and concept, features of Copyright.		
		Total Lecture hours
		15hours
Text Books		
1	Start-up: A Practical Guide to Starting and Running a New Business, Tom Harris, Springer, 07-Aug 2018	
2	Business Model Canvas: A Good Tool with Bad Instructions? Rod King, 2017	
3	Handbook of Deep Trade Agreements Aaditya Mattoo, Nadia Rocha, Michele Ruta, 2020	
4	Entrepreneurship and Local Economic Development a Comparative Perspective on Entrepreneurs, Universities and Governments, 2018	
Reference Books		
1	Corbman BP, Textiles – Fibre to Fabric, International Students Edition, Mc. Graw Hill book Co, Singapore, 1985	
2	Entrepreneurship and Economic Development, 2010	
3	Start Your Own Business, Sixth Edition by The Staff of Entrepreneur Media Selling Your Startup by Alejandro Cremades · 2021	
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]		
1	https://textilelearner.blogspot.com/2011/06/weaving-weaving-mechanism_643	
2	https://textilelearner.blogspot.com/2012/07/basic-woven-fabric-structure-plain	
3	http://textilefashionstudy.com/category/fabric-manufacturing-technology-2	
4	http://www.warporweft.com/types-of-looms	

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	M	S	M	S	S	S
CO2	M	S	L	S	S	S
CO3	M	S	M	S	S	S
CO4	L	S	M	S	S	S
CO5	L	S	L	S	S	S

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

Coursecode	FABRICSTRUCTUREANDDESIGNPRACTIC		L	T	P	C
SkillEnhancement Course- 5	AL		-	-	2	2
Pre-requisite	Basicknowledgeaboutfabricstructure					
CourseObjectives:						
Themainobjectivesofthiscourseareto:						
<ol style="list-style-type: none"> 1. Toidentifythedifferenttypesofweavesandknits 2. Toanalysethefabricstructure 3. Tounderstandthewovenfabricdesignandloopstructureofknittedfabric 						
ExpectedCourseOutcomes:						
Onthesuccessfulcompletionofthecourse,studentwillbeableto:						
CO1	Drawthedesign,draftandpegplanofweaves.				K3	
CO2	Understandtheweavingcomponents				K4	
CO3	Analyzethedesignaspectsintheweavingpattern				K2	
CO4	Identifyloopstructuresofknitssamples				K4	
CO5	Deductknittingsamplesbyunravelandgraphicrepresentation				K5	
K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6- Create						
AnalysetheFollowingFabricStructures						20hours
<ol style="list-style-type: none"> 1. Plainweaveanditsderivatives <ul style="list-style-type: none"> • Warprib • Weftrib 2. TwillWeave <ul style="list-style-type: none"> • Righthandtwill • Lefthandtwill 3. SatinandSateen 4. HoneycombWeave 5. HuckaBuckWeave 6. Extrawarpfiguring 7. Extraweftfiguring 						
Identifyknittingsamplesbyunravelandgraphicrepresentation						10hours
<ol style="list-style-type: none"> 1. Plainknit 2. Ribknit(1x1and2x2) 3. Pique 						
TotalLecturehours						30hours
TextBooks						
1	GokarneshanN,FabricStructureandDesign,NewAgeInternationalPublishers Ltd,NewDelhi,2004.					
2	GrosichkliZNewness,Watson’sAdvancedTextileDesign,ButterWorths,London,1989.					
3	KnittingManufactureTechnology,Anbumani,NewAgeInternational,Chennai,2006					
4	KnittingandAppareltechnology,S.S.M.I.TCo-operativeSociety.2005					
ReferenceBooks						
1	CorbmanBP,Textiles–FibretoFabric,InternationalStudentsEdition,Mc.GrawHillbookCo, Singapore,1985.					

2	Knitting Technology, DBA Jgaonker, Universal Publishing Corporation, 1998
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://textilelearner.blogspot.com/2012/07/what-is-fabric-warp-weft-fabric.html
2	http://textilefashionstudy.com/category/fabric-manufacturing-technology-2
3	https://feltmagnet.com/textiles-sewing/How-To-Analyze-A-Woven-Fabric
4	https://www.textileschool.com/242/weaving-calculations/

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	L	S	M	S	S	S
CO2	M	S	M	S	S	S
CO3	L	S	S	S	S	S
CO4	M	S	S	S	S	S
CO5	M	S	S	S	S	S

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

SEMESTERIV

Coursecode		INDUSTRIAL GARMENTMACHIN ERIES	L	T	P	C
CoreVII-Industry Module			5	-	-	5
Pre-requisite		Basic knowledge about garmentmanufacturingmachi neries				
CourseObjectives:						
Themainobjectivesofthiscourseareto:						
<ol style="list-style-type: none"> 1. Gainknowledgeoftheindustrialpracticesinallthestagesofgarmentmanufacturing. 2. Familiarizewiththetechniquesandtechnologyadoptedinthegarmentindustry. 3. Gainfamiliaritywiththefederalstandardsfstitchandseamclassification. 						
ExpectedCourseOutcomes:						
Onthesuccessfulcompletionofthecourse,studentwillbeableto:						
CO1	Understandthestitchingmechanism					K2
CO2	RelatetotheCuttingandspreadingmethodsinindustries					K1
CO3	Connecttotheindustrialmarkingandpressingmethods					K4
CO4	Analysethetypeofsewingmachinesanditsfunctions					K4
CO5	Classifystitchesandseamsaccordingtothefederalstandard					K2
K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6– Create						
Unit:1	StitchingMechanism					15hours
Stitchingmechanism- Needles,bobbinandbobbincase,bobbinwinding,loopsandloopSpreader,upperandlowerthreading,auxiliaryhooks,throatplates,takeups,tensiondiscs- upperandlowerthreadtension,stitchingauxiliaries,pressurefootanditstypes,Feedmechanisms-dropfeed,differentialfed,needlefeed,compoundfeed,unisonfeed,pullerfeed.						
Unit:2	CuttingandSpreadingMethods					15hours
Spreading - Typesofspreadand its quality,parts and functions ofspreadingequipment,spreadingmethods. Markingmethods,positioningmarkingtypesofmarkers,efficiencyofamarkerplan,requirements ofmarker planning						
Unit:3	MarkingandPressingMethods					15hours
Cuttingequipment– PartsandfunctionsofStraightknifecuttingmachine,rotarycuttingmachine,bandknifecutting machine,diecutters. Pressing–purpose,pressingequipment’sandmethods– iron,steampress,steamairfinisher,steamtunnel,specialtypes–pleating,permanent						
Unit:4	SewingMachineries					15hours
Sewing Machineries - Classification of sewing machines, parts and functions of Single Needlelockstitch machine, over lock machine, bar tacking machine, button hole machine, button fixingmachine,blindstitchingmachine,fabricexaminingmachine. Specialattachments,careandmaintenanceofsewingmachines,Commonproblemsandremedies						
Unit:5	Packaging,SewingThreads,StitchesandSeams					15hours

GarmentPackaging–Typesofpackageforms,Sewingthreads-types,essentialqualitiesofasewingthread,

Federal standards for stitch hand stitch classification, Federal standards for seam and seam classification. Introduction to AI in Textile Industry	
	Total Lecture hours
	75 hours
Text Books	
1	The Technology of Clothing Manufacture – Harold Carr and Barbara Latham, Blackwell Science, 1994.
2	Apparel Manufacturing Handbook: Analysis, Principles and Practice 2nd Edition – Jacob Solinger, Bobbin Blenheim Media Corp, 1988.
Reference Books	
1	Reader's digest Sewing guide, Complete Guide to Sewing 13th Edition, The Reader's Digest Association Inc, Pleasant Ville, 1997.
2	A complete guide for sewing – Coles M Sew, Heinemann Professional Publishing, Singapore, 1977.
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://clothingindustry.blogspot.com/2018/04/packaging-process-garment-industry.html
2	https://www.youtube.com/watch?v=palmFFnMT1E
3	https://www.youtube.com/watch?v=67K0RMJVB_U
4	https://www.youtube.com/watch?v=HIBcn9Igirc
5	https://www.youtube.com/watch?v=QOofEoJQyro

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	M	L	M	S	S	M
CO2	M	L	M	S	S	M
CO3	M	L	M	S	S	M
CO4	M	L	M	S	S	M
CO5	S	L	M	S	S	M

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

Coursecode	TEXTILEWETPROCESSING			L	T	P	C
CoreVIII				5	-	-	5
Pre-requisite	Basicknowledgeintextilefinishing						
CourseObjectives:							
Themainobjectivesofthiscourseareto:							
<ol style="list-style-type: none"> 1. Preparethefabricforfinishing. 2. Dyeandprintthefabricsusingsuitabledyesandprints. 3. PrepareonEffluentanditsimpact 							
ExpectedCourseOutcomes:							
Onthesuccessfulcompletionofthecourse,studentwillbeableto:							
CO1	FamiliarizewiththeProcesssequenceinatextileindustry						K2
CO2	Explainthetypesoffinishes						K1
CO3	Discoverthedyesanddyeingmethods						K3
CO4	Understandthevariousprintingmethods						K2
CO5	Analysethepollutioncreatedbythetextileindustryandtheneedforeffluenttreatment						K4
K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6– Create							
Unit:1	WetProcessingProcessandBasicFinishes						15hours
Processsequenceoftextilewetprocessing;Finishestypes– Basicfinishes,Aestheticfinishes,Functionalfinishesand SpecialpurposefinishesBasicFinishes– Singeing,desizing,scouring,bleachingandmercerizing–Processsequenceandmethods.							
Unit:2	Aesthetic,FunctionalandSpecialFinishes						15hours
Aestheticfinish– glazed,Moire,embossed,nappedfinish.Functionalfinish– Waterrepellant,flameretardant,antistaticfinish. Specialpurpose finish–fragrance,antibacterial,stonewashandenzymewashindenimRecenttrends – AnintroductionMicroencapsulationandnanofinishes.							
Unit:3	DyesandDyeingMachines						15hours
Dyes–classificationandsuitabilityofdyesothefabric,stagesofdyeing– fiber,yarn,fabricandgarmentdyeing, Naturaldyesanditssignificance.Dyeingmachines– loosestockfiberbale–hankpackage–jigger–winch–HT&HPBeam,jet– paddingmangles.Garmentdyeingmachines.							
Unit:4	DirectPrinting						15hours
Printing– DifferencebetweendyeingandPrinting.PreparationofPrintingPaste,PropertiesandtypesofThickeners. Direct Printing – Block Printing - History and techniques used. Screen Printing – Flat screenandRotaryscreen,techniquesused							
Unit:5	Resist,DischargePrintingandEffluentTreatment						15hours
ResistPrinting–TieandDyeandBatik;Process sequenceandtechniques.DischargePrinting,othermethods– DigitalPrinting,Heattransferprinting EffluentTreatment–Pollutioncreatedbytheprocessingunit,ProcesssequenceinEffluenttreatmentPlant							

	TotalLecturehours	75hours
TextBooks		
1	TextileChemistry,PatersR.H,ElsevierPublishing,1967.	
2	TechnologyofTextileProcessing,ShenaiV.A.,Sevakpublications,Bombay,1981.	
3	TextileFinishing,Shenai.V.A.SevakPublications,Mumbai,1999.	
ReferenceBooks		
1	FunctionalFinishes,MenachemLewinandStephenB.Sello,MarcelDekker,Inc.,1984.	
2	TextileFinishing,R.S.Prayag,ShreeJPrinters,India,1994.	
RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]		
1	https://textilecourse.blogspot.com/2018/08/working-process-printing-	
2	http://www.neoakruthi.com/blog/etp-for-textile-industry.html	
3	https://textilelearner.blogspot.com/2011/08/flow-chart-of-wet-processing-process.html	
4	https://www.textileschool.com/343/fabric-wet-processing-techniques/	
5	https://www.fibre2fashion.com/industry-article/1699/special--finishes-to-garment-an-overview	

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	L	M	S	S	S	L
CO2	M	S	S	S	M	S
CO3	M	S	M	M	S	S
CO4	M	S	S	S	S	S
CO5	L	L	S	M	M	L

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

Coursecode	TEXTILEDYEINGANDPRINTINGPRACTICAL			L	T	P	C
SkillEnhancementCourse- 6				-	-	2	2
Pre-requisite	Basicknowledgeinknittingandweaving						
CourseObjectives:							
Themainobjectivesofthiscourseareto:							
<ol style="list-style-type: none"> 1. Preparethefabricfordyeingandprinting. 2. Dyethefabricusingsuitabledyes. 3. Printthefabricswithdirectandresistprintingmethods. 							
ExpectedCourseOutcomes:							
Onthesuccessfulcompletionofthecourse,studentwillbeableto:							
CO1	Modifythefabricpropertiesbydesizing,bleaching,scouring,andmercerizing					K2	
CO2	Applyandusedirect,reactive,vegetableandvatdyetothecottonfabric					K1	
CO3	Applyacidandbasicdyetosilkfabric					K3	
CO4	Analyzeprintdesignswithdirectprintingmethod–blockandstencil					K4	
CO5	Createprintdesignswithresistprinting–Tieanddye/batik					K6	
K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6– Create							
1.PreparationofSamplesforProcessing						10hours	
<ul style="list-style-type: none"> • Desizing • Scouring • Mercerising • Bleaching 							
2.DyetheGivenFabricUsingSuitableDye						10hours	
<ul style="list-style-type: none"> • DirectDye • BasicDye • AcidDyes • ReactiveDyes • VegetableDyes(anyone) • VatDye 							
3.PrinttheFabricUsingSuitableDyes/Pigments						10hours	
<ul style="list-style-type: none"> • BlockPrinting–WoodenandVegetableBlocks • StencilPrinting • TieandDye(useanythreetyingmethods) • BatikPrinting 							
TotalLecturehours						30hours	
TextBooks							
1	AnIntroductiontoTextileFinishing,Marsh.J.T,ChapmanandhallLtd,London,1948.						
2	ShenaiV.A.,TechnologyofTextileProcessing,Vol.III,V,VI,VIISevakpublications,Bombay,1981.						
ReferenceBooks							
1	SimpletextiledyeingandPrinting,NoraProud,BatsfordPublisher,London,1974.						
2	ScienceandtechnologyofTextileDyeingandColouring,S.P.Mishra,NewAgeInternational(p)LtdPublishers,2016.						

RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]	
1	https://www.youtube.com/watch?v=whm0UxZ9gnQ
2	https://www.hamstech.com/blog/significance-of-dyeing-printing-in-fashion-designing/

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	M	M	S	S	S	M
CO2	M	S	M	S	S	S
CO3	L	M	S	M	M	S
CO4	M	M	S	S	M	S
CO5	L	M	S	M	L	S

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

Coursecode	COMPUTER AIDED DESIGN IPRACTICAL			L	T	P	C
Skill Enhancement Course - 7				-	-	2	2
Pre-requisite	Basic knowledge on computers						
Course Objectives:							
The main objectives of this course are to:							
<ol style="list-style-type: none"> 1. Enable the student to design garment designs using computers. 2. Try various colour combinations and textural effects. 3. Create and manipulate fashion figures for various garment designs. 							
Expected Course Outcomes:							
On the successful completion of the course, student will be able to:							
CO1	Understand and practice the tools and techniques of the CAD					K2	
CO2	Apply the skills in an area of garment designing					K3	
CO3	Develop various colours and textures in computers					K6	
CO4	Create garment designs for child, man and woman with CAD					K6	
CO5	Create Jewellery designs using CAD					K6	
K1-Remember; K2- Understand; K3-Apply; K4-Analyze; K5 -Evaluate; K6- Create							
1. Creating Small Designs/Motifs						9 hours	
<ul style="list-style-type: none"> • Designs for Handkerchief • Neckline Designs • Embroidery Designs • Chest Prints for T-shirts 							
2. Create anyone Child garment design from the following list						7 hours	
<ul style="list-style-type: none"> • Jabla and Knicker • Baba Suit • Frock 							
3. Create anyone Women garment design from the following list						7 hours	
<ul style="list-style-type: none"> • Gown/Maxi • Salwar Kameez • Midi and Tops • Lehngas 							
4. Create anyone Men garment design from the following list						7 hours	
<ul style="list-style-type: none"> • SB Vest • T-Shirt with Burmuda • Shirt and Pant • Kurta Pyjama 							
Total Lecture hours						30 hours	
Text Books							
1	Fashion Design Drawing & Presentation, Ireland Patrick John, BT Batsford Ltd, 2006.						
2	Fashion Design Illustration: Children, Ireland Patrick John, BT Batsford Ltd, 2003.						
Reference Books							
1	Fashion Sketch Book, Bina Abling, Fair Child Publication, New York, 2006.						

RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]	
1	https://www.youtube.com/watch?v=iX7O4fNQijA
2	https://www.youtube.com/watch?v=8pmgi7q3Gbo
3	https://www.youtube.com/watch?v=x8BsIME4gi4

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	M	S	S	M	M	M
CO2	M	S	M	S	S	S
CO3	S	M	L	M	M	M
CO4	S	S	S	L	M	L
CO5	M	M	L	M	S	S

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

SEMESTER V

Coursecode	COSTUMESAND TEXTILES OF INDIA			L	T	P	C
CoreIX				5	-	-	4
Pre-requisite	BasicknowledgeoncostumesandIndianstates						
CourseObjectives:							
Themainobjectivesofthiscourseareto:							
1. ImpartknowledgeandunderstandingofthediverseandvaluabletraditionalIndiantextiles.							
2. AppreciatethevariousstylesoftraditionalIndiancostumes.							
3. ValuethebeautyandintricacyoftheIndianJewelleriesandembroideries.							
ExpectedCourseOutcomes:							
Onthesuccessfulcompletionofthecourse,studentwillbeableto:							
CO1	Discoverthebeginningandoriginofcostumes						K2
CO2	RecognizethedyedandprintedtextilesofIndia						K1
CO3	CompareandcontrastthevariouscostumesofIndia						K4
CO4	AppraisethejewellriesofIndia						K5
CO5	ValuethetraditionalembroideriesofIndia						K3
K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6- Create							
Unit:1	OriginandGrowthofCostume						15hours
BeginningandgrowthofCostume-Painting,CuttingandTattooing.Ancientcostumes–Indusvalleycivilization,Vedicperiod,Mauryaperiod,Mughalperiod.CostumesofIndia-preandpostindependenceera							
Unit:2	DyedandPrintedTextilesofIndia						15hours
StudyofdyledandprintedtextilesofIndia–Bhandhani,Patola,ikkat,kalamkari-inalltheabovetypes and techniques used. Study of woven textiles of India – Dacca Muslin, Banarasi/Chanderibrocades,Baluchar,HimrusandAmrus,Kashmirshawls,Pochampalli,silksareesofKancheepuram.							
Unit:3	TraditionalCostumesofIndia						15hours
TraditionalCostumeofdifferentStatesofIndia-TamilNadu,Kerala,AndhraPradesh,Karnataka,Assam,Orissa,WestBengal,Maharashtra,Rajasthan,UttarPradesh,JammuandKashmir,Gujarat.							
Unit:4	IndianJewellery						15hours
Indian Jewellery – Jewellries used in the period of Indus valley civilization, Mauryan period,thePallavaandCholaPeriod,SymbolicJewelleryofSouthIndia,Mughalperiod.TempleJewelleryofSouthIndia,Tribaljewellery							
Unit:5	TraditionalEmbroideriesofIndia						15hours
TraditionalembroideriesofIndia–Origin,Embroiderystitchesused–embroideryofKashmir,PhulkariofPunjab,Gujarat–KutchandKathiawar,embroideryofRajasthan,KasutiofKarnataka,ChickenworkofLucknow,KanthaofBengal.							
						TotalLecturehours	75hours

TextBooks	
1	Thecostumesandtextiles ofIndia–JamilaBrijBhushan,DBTaraporevalaSons &Co,Bombay,1958.
2	IndianCostume–G.S.Ghurye,PopularPrakashanPvtLtd,India,1967.
3	IndianJewellery–M.LNigam,LustrePressPvtLtd,India,1999.
4	TraditionalEmbroideriesofIndia–ShailajaD.Naik,APHPublishing,India,1996.
ReferenceBooks	
1	CostumesofIndia–DorrisFlyn,Oxford&IBHPublishingCo,Delhi,1971.
2	CostumesofIndiaandPakistan–DasS.N,DBTaraporevalaSonsandco,Bombay,1956.
RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]	
1	https://www.youtube.com/watch?v=7HXVXieq7pM
2	https://www.craftsvilla.com/blog/famous-indian-embroidery-styles
3	https://www.culturalindia.net/jewellery/types/meenakari.html

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	M	M	M	L	M	S
CO2	M	S	M	M	M	S
CO3	M	S	L	L	L	S
CO4	L	M	M	M	L	S
CO5	M	S	M	M	M	S

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

Coursecode	GARMENTQUALITY ANDCOST CONTROL			L	T	P	C
CoreX				5	-	-	4
Pre-requisite	Basicknowledgeongarmentandquality						
CourseObjectives:							
Themainobjectivesofthiscourseareto:							
<ol style="list-style-type: none"> 1. Tolearntheconceptsofgarmentqualitycontrol 2. Tostudythedifferentqualitymanagementsystems 3. Toknowaboutdifferentqualityprocess 							
ExpectedCourseOutcomes:							
Onthesuccessfulcompletionofthecourse,studentwillbeableto:							
CO1	Defineandestablishqualitystandards						K2
CO2	Describefunctionsofqualitycontrol						K1
CO3	Analyzeongarmentcostandcostcontrol						K4
CO4	Appraiseondifferentqualitymanagementsystems						K4
CO5	Evaluatethequalitybasedontheparameters						K5
K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6- Create							
Unit:1							
QualityControlanditsStandards						15hours	
Definition and Scope of Quality control – establishing merchandising standards- establishingrawmaterial quality control specifications – quality control of raw material. EstablishingProcessingquality specification – Quality control inspection procedures for processing- Qualitycontroloffinishedgarments–Qualitycontrolforpackaging,warehousingandshipping–Statistical qualitycontrol-Samplingplans–Industry-widequalitystandards.							
Unit:2							
FunctionsofProductionControl						15hours	
Functionofproductioncontrol–Productionanalysis–Qualityspecifications–quantitativespecifications– Basicproductionsystems– wholegarment,departmentalwholegarment,subassemblysystemsandprogressivebundlesystems,Princi plesforchoosingaproductionsystem –Evaluatingproductionsystems							
Unit:3							
FunctionsofCostControl						15hours	
Functions of cost control, types of costs and expenses – Apparel manufacturing cost categories – sales cost control, purchasing cost control, production cost control, administration cost control – costrationpolicies–themanufacturingbudget–cashflowcontrols–standardcostsheet,break-even– charts.							
Unit:4							
QualityManagement						15hours	
Quality–EvolutionofQualitymanagement–Qualityfunctionandqualityplanning– BasicconceptsofTotalQualityManagement(TQM)–PrinciplesofTQM–QualityTrilogy– FourpillarsofTQM–PDCAcycle&PDSAcycle–Kaizanconcept–5“SPhilosophy–Qualitycircles.							
Unit:5							
EnvironmentalManagementSystem						15hours	
EnvironmentalManagementSystem(EMS)–Meaning&Definition–ElementsofEMS– BenefitsofEMS–EnvironmentalPolicies–ImplementationofISO14000– studyonothermanagementsystem:SA8000,OHSAS18000andWRAP.							

		TotalLecturehours	75hours
TextBooks			
1	ApparelManufacturingAnalysis,Solinger,Jacob,NewYork,Textilesbooks,1961.		
2	ManagingQualityInTheApparelIndustry,PradipVMehta,SathishKBhardwaj,NewAgeInternational,1998		
ReferenceBooks			
1	Apparelmanufacturinghandbook,analysisPrinciplesandPractice,Solinger,Jacob,Columbiamedi acorp,1988.		
2	QualityControlHandbook,J.M.Juran,.publicationsMcGraw-HillEducation,1988.		
3	TotalQualityManagement,BaskerS,AnuradhaPublications,Kumbakonam,2017.		
RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]			
1	https://textilelearner.blogspot.com/2011/08/quality-control-system-in-garments_2589.html		
2	https://www.fibre2fashion.com/industry-article/3055/quality-systems-for-garment-		
3	https://onlinegarmentsacademy.blogspot.com/2019/07/quality-control-of-apparel-industry.html		
4	https://www.sciencedirect.com/science/article/pii/B9781782422327000163		
5	https://www.textileschool.com/488/quality-control-in-garment-manufacturing/		

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	M	M	S	S	M
CO2	S	M	S	M	S	L
CO3	M	M	M	S	M	M
CO4	S	S	M	S	M	M
CO5	M	S	S	L	M	L

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

Coursecode	GARMENT CONSTRUCTION – ADULTWEAR PRACTICAL			L	T	P	C
CoreXI				-	-	5	4
Pre-requisite	Basicknowledgeaboutsewingmachineandconstruction.						
CourseObjectives:							
Themainobjectivesofthiscourseareto:							
<ol style="list-style-type: none"> 1. Designgarmentsforwomenandmen 2. Impartskillsinpatterndrafting 3. Constructgarmentsbysewing 							
ExpectedCourseOutcomes:							
Onthesuccessfulcompletionofthecourse,studentwillbeableto:							
CO1	Designgarmentsforwomenandmen					K6	
CO2	Developpatternsforwomenandmenusingdraftingmethod					K1	
CO3	Selectthenecessarytoolsneededforsewing					K2	
CO4	Constructgarmentsbysewing					K4	
CO5	Discovernewtechniquesinpatternmakingandgarmentconstruction					K5	
K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6– Create							
1.Design,DraftandconstructthefollowinggarmentsforaWoman(Minimum4garments)						45hours	
<ul style="list-style-type: none"> • SareePetticoat • Salwar • Kameez • Wraparoundskirtandtops. • Nightie • Blouse 							
2.Design, Draftand constructthefollowinggarmentsforaMan (Minimum3garments)						30hours	
<ul style="list-style-type: none"> • Bermuda • TShirt • NehruKurta • Pyjama • SlackShirt • Pant 							
TotalLecturehours						75hours	
TextBooks							
1	PracticalClothingConstructing-PartIandII,MaryMathews,CosmicPress,Chennai,1986.						
2	ZarapkerSystemofCutting-Zarapker.K.R,NavneetPublicationsltd,India,2011.						
ReferenceBooks							
1	Cuttingandsewingtheory,GayatriVerma,KapilDev,ComputechPublicationLtd,India,2019.						
2	Patterncuttingandmakingup,theprofessionalapproach,MartinM.ShobenandJanetP.Ward,RoutledgeTaylorandFrancisGroup,LondonandNewYork,Revisededition,2011.						
RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]							

1	http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827
2	https://www.youtube.com/watch?v=FsD-Pc9WPm0
3	https://www.youtube.com/watch?v=rJf5Jlpt8j4

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	S	M	S	M	L
CO2	S	S	L	M	L	L
CO3	S	L	S	S	M	M
CO4	S	M	M	S	M	M
CO5	M	M	S	S	M	L

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

Coursecode	PROJECTWITH VIVA - PORTFOLIODEVELOPME NT			L	T	P	C
CoreXV				-	-	6	4
Pre-requisite	Basicknowledgeongarmentdesigning						
CourseObjectives:							
Themainobjectivesofthiscourseareto:							
<ol style="list-style-type: none"> 1. Creategarmentcollectionbasedonaninspiration/theme 2. Searchandfindoutexclusivefabricsandaccessoriesforthegarmentcollection 3. Presentthegarmentcollectionintheformofaportfolioalbum 							
ExpectedCourseOutcomes:							
Onthesuccessfulcompletionofthecourse,studentwillbeableto:							
CO1	Designgarmentcollectionbasedonaninspiration/theme					K6	
CO2	Developvariousboards likethemeboard,moodboard,storyboard,colourboard,fabricswatchboard,patten boardandflatpattern					K6	
CO3	Selectsuitablefabricsandaccessoriesforthegarmentcollection					K5	
CO4	Createaportfolioalbum					K6	
CO5	Compileandpresenttheportfolioeffectively					K6	
K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6- Create							
FashionDesignPortfolio–AnIntroduction							
Afashiondesignportfolioisacollectionofsamplesputtogetherbyafashiondesignertoshowoffhisorhers killstoapropectiveemployerorfashionschool.Atypicalfashiondesignportfolioshouldincludefashion illustrations,aninspirationormoodboardwithtextileswatches,flatsketchesman uallyorwithcomputer.							
InstructionstotheStudent							
Every Student will be assigned a Guide and the student should report to the guide at least once ina week. The student should work on an inspiration and develop sketches. After the approval fromthe Guide, the fabrics must be purchased and converted into a garment. Minimum of 4 garmentshastobecreated. Thegarmentcollection isthenphotographed onalivemodel.Portfolio (Manual/Digital)iscreated							

DetailsofthePortfolio	
ThePortfolio must be created as an album/book/Magazine and should contain the following boards	
<ul style="list-style-type: none"> • Customer Profile • Inspiration/Theme Board • Mood Board/Story Board • Colour board/Swatch Board • Accessory Board (optional) • Pattern Board • Flat Sketch/Fashion Illustrations 	
Photograph of all the Garment	
EvaluationoftheProject	
The students should present the portfolio and the garments to the panel of examiners and answer the question raised by the examiners	
Total Lecture hours	90 hours
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827
2	https://fashionandillustration.com/en/how-to-make-a-fashion-collection/
	https://www.apparesearch.com/fashion/designer/name/a/anna_sui/spring_fashions_anna_sui_fashion_designer_guide.htm

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	S	S	M	S	S
CO2	M	M	M	S	S	M
CO3	S	M	M	M	M	S
CO4	S	S	S	M	S	S
CO5	M	S	S	S	S	M

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

SEMESTERVI

Coursecode	THEBUSINESS OF FASHION			L	T	P	C
CoreXIII				6	-	-	4
Pre-requisite	Knowledgeaboutfashion						
CourseObjectives:							
Themainobjectivesofthiscourseareto:							
<ol style="list-style-type: none"> 1. Gainabetterunderstandingofafashiondesigneratthenationalandinternationallevel 2. Impartknowledgeonnewproductdevelopment,salespromotion,retailingandpricing 3. Movetowardsasustainablefashion 							
ExpectedCourseOutcomes:							
Onthesuccessfulcompletionofthecourse,studentwillbeableto:							
CO1	Describethefactorsinfluencingfashionchanges						K3
CO2	Weighthecontributionsofthefashiondesignersnationallyandinternationally						K5
CO3	Understandthestepsinvolvedinnewproductdevelopmentandsalespromotion						K2
CO4	Analyzethesizeandfunctionsofretailingandpricing						K4
CO5	Evaluatetheenvironmentalpollutioncreatedbyfashionproductsandmove towardsustainablefashion						K5
K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6- Create							
Unit:1	WorldofFashion-AnOverview						18hours
Factorsinfluencingfashionchanges– AcceleratingandDeceleratingfactorsUnderstandingFashiondesigner–types– classicist,idealist,influenced,realist,thinkingpoet.Minimalists,VillageIndia,Studioline. WorldFashionCenters–Milan,Paris,LondonandNewYork							
Unit:2	LegendaryFashionDesigners						18hours
StudyofInternationalFashionDesignersoftheWorld– YvesSaintLaurent,Valentino,PierreCardin,RalphLauren,KarlLagerfield,DonnaKaren,GeorgioArmani,CocoChanel,CalvinKlien,ChristianDior. An overview of Indian Fashion Designers – Manish Malhotra, Manish Arora, Ritu Beri,TarunTahiliani,RohitBal,WendellRodricks,JJValaya.							
Unit:3	FashionProductsandPromotion						18hours
Thefashionindustryandnewproductdevelopment;productmixandrangeplanning.FashionandSeasons. FashionPromotion–FashionCommunication;FashionAdvertisingandPublicity;PersonalSelling–importanceandstepsinvolved;FashionShows–typesandstepsinvolvedinorganizingashow;Salespromotionmethods/strategies							
Unit:4	FashionRetailing						18hours
FashionRetailing-Scopeandfunctions,TypesofStores,ChallengesforfashionretailinIndia,E-retailing–growthanddevelopment,Major players offashiongoodsonline. Pricingpoliciesandstrategiesforapparelproducts,FunctionsandfactorsInfluencingpricing,pricingstrategiesfornewproducts,methodsofsettingprices							
Unit:5	SustainableFashion						18hours
SustainableFashion–meaningandsignificance;Environmentalconcernsrelatedtofashion;Linearfashion							

and circular fashion; 4R's in sustainability – Repair, recycle, reuse and reduce. Moving towards sustainable fashion-Ecofashion, Slowfashion; Environmental impact of fast fashion	
	Total Lecture hours
	90 hours
Text Books	
1	Drake et al., Retail Fashion: Promotion and Advertising, Macmillan Publication Company, New York, 1992.
2	Gini Stephens Frings, Fashion – From Concept to Consumer, 6th edition, Prentice Hall, 1999.
Reference Books	
1	Leslie Davis Burnset al., The Business of Fashion: Designing, Manufacturing and Marketing, 4th Edition, Bloomsbury Academic publisher, 2011
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://247wallst.com/special-report/2018/10/01/the-30-most-influential-fashion-designers-of-all-time/8/
2	https://www.reviewsexp.com/blog/top-fashion-designers/
3	https://en.wikipedia.org/wiki/Fashion_capital
4	https://www.fibre2fashion.com/
5	http://www.technopak.com/Files/fashion-retail-scenario-in-india.pdf
6	https://en.wikipedia.org/wiki/Sustainable_fashion
7	https://fashionunited.uk/news/fashion/re-defining-sustainability-repair-recycle-reuse-and-reduce/2016052520528
8	https://get-green-now.com/environmental-impact-fast-fashion/

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	M	S	S	M	M	S
CO2	S	S	M	M	M	S
CO3	M	S	L	M	M	S
CO4	M	S	M	M	M	S
CO5	L	M	L	M	M	M

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

Coursecode	COMPUTER APPLICATIONS IN GARMENTINDUSTRY		L	T	P	C
CoreXIV			6	-	-	4
Pre-requisite	Knowledgeoncomputerfundamentals					
CourseObjectives:						
Themainobjectivesofthiscourseareto:						
<ol style="list-style-type: none"> 1. Impartknowledgeonthesignificantroleplayedbythecomputersinthegarmentindustry 2. Createanawarenesson thelatesttechnologies availableinthevarioussectorsofthegarmentindustry 3. Teachtheadvantagesofusingcomputertechnologytoimprovethetheproductionqualitativelyandquantitatively 						
ExpectedCourseOutcomes:						
Onthesuccessfulcompletionofthecourse,studentwillbeableto:						
CO1	Articulatethespecificationsandfunctionsofacomputeranditsperipherals					K3
CO2	Appraisetheinevitableroleplayedbycomputersinvarioussectionsofatextileandgarmentindustry					K5
CO3	UnderstandtheapplicationofCADandCAMintheareasoftextileandgarmentdesigning					K2
CO4	Discovertheuseofcomputersinthefieldofbodymeasurements,patternmakingandgrading					K3
CO5	Weightheadvantagesofcomputertechnologyintheprosessequencesandtherebyincreaseproduction					K5
K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6- Create						
Unit:1	ComputersanditsPeripherals					18hours
Classification of computers, computer generations, computer specification, organizationofcomputersections.Typesofstoragedevices,inputdevices,outputdevices.						
Unit:2	ComputersinFashionIndustry					18hours
Roleofcomputersinfashionindustry–Informationflow–CAD,CAM,CIM,CAA,PDC– Definitionandfunctions.Computersinproductionplanningandproductionschedulingcomputerizedcolour matchingsystem.						
Unit:3	ComputersinCreatingFabricandGarmentDesigns					18hours
CADincreatingdesigns– Advantages.Computerizedweaving,knittingandprinting,creatingComputerizedembroiderymachines,G armentdesigningwithCAD–2D and3Dforms.						
Unit:4	BodyMeasurements,PatternMakingandGrading					18hours
3DBodyscanningsystems,Madetomeasuresystems,CADinpatternmakingandgrading– systemdescription–informationflow– processinvolvedinpatternmaking,processinvolvedinpatterngrading						
Unit:5	ComputersinManufacturingProcess					18hours
Computerapplicationinfabricdefectchecking,laying/spreading,cuttingmarkerplanning,Labelling– Partsand functions.Computerizedsewingmachines.						
					TotalLecturehours	60hours

TextBooks	
1	ComputersintheGarmentIndustry– DrRSheelaJohnandDrSAmsamani,ShangaVerlag,Coimbatore,2013
2	Fashion:FromConcepttoConsumer4 th Edition–GiniStephensFrings,PrenticeHall, Pearson,2007
ReferenceBooks	
1	ComputerFundamentals,PKSinha,BPBPublications,Delhi,1992
2	TheTechnologyofClothingManufacture,HaroldCarrandBarbaraLatham,BlackwellLtd,1994
3	ComputerTechnologyforTextilesandApparel,JinlianHu,Elsevier,2011
4	AutomationinGarmentManufacturing,RajkishoreNayakandRajivPadhye,Woodhead Publishing,2017
RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]	
1	https://inifdahmedabad.com/blog/importance-of-cad-in-fashion-industry/
2	https://clothingindustry.blogspot.com/2018/02/application-cad-weaving.html
3	http://textilescommittee.nic.in/writereaddata/files/publication/gar4.pdf
4	https://study.com/academy/lesson/how-is-cad-cam-used-in-textiles.html
5	https://clothingindustry.blogspot.com/2018/02/importance-cad-textile-designing.html
6	https://textilelearner.blogspot.com/2012/03/computer-application-areas-in-textile.html
7	https://link.springer.com/chapter/10.1007/978-3-642-58214-1_47

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	L	S	S	S	M	L
CO2	L	S	S	S	M	M
CO3	S	S	S	S	S	S
CO4	S	S	S	S	M	M
CO5	S	S	S	S	M	M

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

Coursecode	COMPUTERAIDEDDESIGNIIP RACTICAL		L	T	P	C
CoreXII			-	-	5	4
Pre-requisite	Basicknowledgeoncomputers					
CourseObjectives:						
Themainobjectivesofthiscourseareto:						
<ol style="list-style-type: none"> 1. Createprofessionaldesignswithcomputers. 2. Developgarmentdesignsbyusingvarioustoolsandcoloursinthedigitalsoftware. 3. Applytheelements/principlesofdesignandcolourharmoniesinthegarmentdesigns. 						
ExpectedCourseOutcomes:						
Onthesuccessfulcompletionofthecourse,studentwillbeableto:						
CO1	Creategarmentdesignswithdifferentcolourharmoniesincomputers				K6	
CO2	Developgarmentdesignswithvariouselements/designincomputers				K6	
CO3	Designgarmentsketchesfollowingtheprinciplesofdesignincomputers				K6	
CO4	Creategarmentdesignsforvariousseasonsincomputers				K6	
CO5	Draftandgradepatternsdigitally				K6	
K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6- Create						
1.CreateGarmentDesignsfortheFollowingColourHarmonies						15hours
<ul style="list-style-type: none"> • Monochromaticcolourharmony • Analogouscolourharmony • Complementarycolourharmony • Doublecomplementarycolourharmony • SplitComplementarycolourharmony • Triadcolourharmony • Tetradcolourharmony • Neutralcolour 						
2.CreateGarmentDesignsfortheFollowingElementsofDesign						10hours
<ul style="list-style-type: none"> • Line • Shape • Size 						
3.CreateGarmentDesignsfortheFollowingPrinciplesofDesign						10hours
<ul style="list-style-type: none"> • Balance • Rhythm • Emphasis • Proportion • Harmony 						
4.CreateGarmentDesignsfortheFollowingSeasons						10hours
<ul style="list-style-type: none"> • Summer • Winter • Spring • Autumn 						
5.DraftandGradePatternsfortheFollowingGarments						15hours
<ul style="list-style-type: none"> • Bib • Jabla • Salwar 						

• T-Shirt	
6. Create Garment Designs for the Following Occasions	15 hours
<ul style="list-style-type: none"> • Partywear • Casualwear • Wedding collection • Sportswear (any sports) 	
Total Lecture hours	
75 hours	
Text Books	
1	Fashion Design Drawing & Presentation, Patrick John Ireland, Pavilion Books, London, United States, 1982.
2	Drawing and Designing Children's and Teenage Fashions, Patrick John Ireland, Wiley, 1979.
3	Fashion Design Illustration: Men, Patrick John Ireland, B. T. Batsford Books, London, 1996.
Reference Books	
1	Fashion Sketch Book, Bina Abling, Fairchild Books, New York, 2007
2	Foundation in fashion design and Illustration, Julian Seaman, B. T. Batsford Books, London, 2001
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://www.youtube.com/watch?v=jTWtQNTJt_A
2	https://www.youtube.com/watch?v=iX7O4fNQijA
3	https://www.youtube.com/watch?v=nWCNuSBc1Y0
4	https://www.youtube.com/watch?v=x8BsIME4gi4
5	https://www.youtube.com/watch?v=LMZPbT1msR0

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	S	M	M	L	S
CO2	S	S	M	S	L	S
CO3	S	S	M	M	L	S
CO4	S	S	M	S	L	M
CO5	S	S	M	M	L	S

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

Coursecode		COMMUNICATION AND WORK ETHICS FOR APPAREL INDUSTRY	L	T	P	C
Professional Competency Skill Enhancement Course			2	-	-	2
Pre-requisite		Knowledge on work atmosphere and basic communication				
Course Objectives:						
The main objectives of this course are to: <ol style="list-style-type: none"> 1. Impart knowledge on communication. 2. Incorporate skill in planning and scheduling work activities. 3. Teach the work ethics in workplace. 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Understand communication and its types					K2
CO2	Improve workplace communication					K3
CO3	Maintain professionalism in workplace					K2
CO4	Manage workplace harassment					K4
CO5	Plan and organize work effectively					K5
K1-Remember; K2- Understand; K3-Apply; K4-Analyze; K5 -Evaluate; K6- Create						
Unit:1	Communication					6hours
Communication-meaning and definition. Types of Communication- Verbal and non-Verbal. Barriers of Communication. Listening-Definition-Listening Process-Types- Superficial, Appreciative, Focused, Attentive, Evaluative, Empathetic. Active listening-Strategies of developing active listening skills. Letter Correspondence-Introduction, Objectives--Requirement correspondence- definition, application letter, contact of resume and CV, interview letter, offer of employment, letter of acceptance, resignation letter, letter of recommendation.						
Unit:2	Business Correspondence					6hours
Business Correspondence-Meaning and significance-Principles-Essentials of Business letters-- introduction, format and layout -E-mail- report writing, -writing skills - Elements of business letter- Workplace communication- Follow routine verbal and written instructions, develop effective workplace relationships, Communicate and work with team members, Respond effectively to customer requests.						
Unit:3	Maintaining Professionalism in Workplace					6hours
Maintain professionalism in the workplace - Respect work timeframes, maintain personal appearance and hygiene, Maintain adequate distance with colleagues and clients, Work in an ethical manner (honesty, work integrity, work ethics). Problem solving in work activities- Identify and examine problem, determine fundamental causes of the problem, determine corrective action, Provide recommendation to authorities.						
Unit:4	Workplace Harassment					6hours

Workplace harassment-
Identify the difference between acceptable behavior and unacceptable behavior, define workplace harassment
ent -types of harassment.

strategiestoprotectselfanddealwithworkplaceharassment,Supportcolleaguesandassistincreatingahara ssmentpolicy.		
Unit:5	Planningandorganizingwork	6hours
Plan and organize work - Set objectives and plan work activities, Plan and schedule workactivities,implementworkplans,Monitorworkactivities.Leadsmallteams-Motivateandbuildthe team,facilitateteamdevelopmentandmonitoreteameffectiveness.		
		TotalLecturehours
		30hours
TextBooks		
1	GoodPracticeGuideProfessionalismatWorkbyRichardBrindley	
2	Integrity,Honesty,andTruthSeekingbyChristianB.Miller,RyanWest	
3	WorkplaceCommunicationbyLeenaMikkola,MaaritValo	
4	EffectiveCommunicationintheWorkplacebyDavidL.Lewis	
ReferenceBooks		
1	PracticalProblem-SolvingSkillsintheWorkplacebyJudithCombes Taylor,JudithCombesTaylorPh.D.,RebekahLashman,PamelaHelling	
2	Problem-SolvingandDecisionMakingbyJeffButterfield	
3	AsianPerspectivesonWorkplaceBullyingandHarassmentbyAvinaMendonca,ErnestoNoronha, PremillaDCruz	
4	BullyingandHarassmentintheWorkplacebyCaryCooper,DieterZapf,HelgeHoel,StaleEinarsen	
5	HowtoPlanandOrganizeWorkbyAmericanManagementAssociation	
RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]		
1	https://www.javatpoint.com/barriers-of-communication	
2	https://www.toppr.com/guides/business-communication-and-ethics/business- correspondence/meaning-and-importance-of-business-correspondence	
3	https://career.vt.edu/develop/professionalism.html	
4	https://blog.vantagecircle.com/workplace-harassment/	

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	L	S	S	S	M	L
CO2	L	S	S	S	M	M
CO3	S	S	S	S	S	S
CO4	S	S	S	S	M	M
CO5	S	S	S	S	M	M

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

ELECTIVE- I

Coursecode	CAREANDMAINTANENCEOF TEXTILES			L	T	P	C
Elective-I(a)				4	-	-	3
Pre-requisite	Basicknowledgeaboutfabricandgarmentcare						
CourseObjectives:							
Themainobjectivesofthiscourseareto:							
1. Gainabetterunderstandingmethodintakingpropercareoftheclothing.							
2. Impartknowledgeonmachinesandequipment'susedinthewashing,storingandironingprocess.							
4.Impartknowledgeonthetypesofwashcarelabelsandtheirmeaning							
ExpectedCourseOutcomes:							
Onthesuccessfulcompletionofthecourse,studentwillbeableto:							
CO1	Identifysuitablemethodsofwashing,drying,ironingandstoring						K1
CO2	Understandthewashcarelabelsandactaccordingly						K2
CO3	Appraisethetypesofequipmentusedinthecareoffabrics						K3
CO4	Recognizetheneedfordrycleaningforfabrics						K2
CO5	Evaluatethemethodsandequipmentstobeusedforabetterlifeofclothes						K5
K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6- Create							
Unit:1	WaterandLaundrySoaps						12hours
Water-hardandsoftwater,methodsofsofteningwater.Laundrysoaps-compositionofsoaptypesofsoap,soaplessdetergents,detergentmanufacture,advantagesofdetergents,Manufacturingprocessofsoapand detergents							
Unit:2	FinishesandStainRemoval						12hours
Finishes–StiffeningAgents – Starch(coldwaterandhotwater),Otherstiffeningagents,preparationofstarchLaundryblues,theirapplication. Stainremovalcommonmethodsofremovingstains;foodstains,leadpencil,lipstick,mildew,nosedrops,paint,perfume,perspiration/mildew,tar,turmericandkum-kum.							
Unit:3	Washing,DryingandIroning						12hours
Washing–Pointstobenotedbeforewashing.Machine–typessemi-automaticandFullyautomatic;Toploadingand frontloading;wash cyclesin awashingmachineDryingequipment's– Indoorandoutdoordrying Ironbox–Partsandfunctionsofanelectricironbox;types-automaticironboxandsteamiron.Ironingboard–differenttypes							
Unit:4	LaunderingofDifferentFabrics						12hours
Launderingofdifferentfabrics– cottonandlinen,woolens,colouredfabrics,silks,rayonandnylon.SpecialtypesofLaundry–waterproofcoats,silkies,leathergoods,furs,plastics,lace.							
Unit:5	Storing,DryCleaningandCareLabels						12hours

Storing–Methodsofstoringclothes,BestwaytostoreclothesDrycleaning–
Benefits,differencesbetweendrycleaningandlaundry,Stepsindrycleaning
Carelabels–ImportanceandTypes-TheInternationalCareLabellingSystem,TheJapaneseCareLabelling
System,TheCanadianCareLabellingSystem,TheEuropeanCareLabellingSystem,TheAmerican

Care Labelling System	
	Total Lecture hours
	60 hours
Text Books	
1	Wingate IB, Textiles fabrics and their Selection, Prentice-Hall Inc Publishers, 1946
2	Fundamentals of Textiles and their Care- Susheela Dantyagi, Orient Longmann Ltd, 1980
Reference Books	
1	Mildred T. Tate and Glisson O, Family Clothing, John Wiley & Sons Inc, Illinois, 1961
2	Durga Deulkar, Household Textiles and Laundry Work, Amla Ram & Sons, Delhi, 1951
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://tide.com/en-us/how-to-wash-clothes/how-to-do-laundry/your-comprehensive-guide-on-how-to-do-laundry#Step1
2	https://www.coats.com/en/Information-Hub/Care-Labels#:~:text=Labels%20should%20be%20designed%20based,5)%20Wringing%20%26%206)%20Drying
3	https://www.customclothinglabels.com/uses/why-are-care-labels-so-important/#:~:text=Care%20labels%20are%20essential%20when,run%20could%20ruin%20the%20fabric.
4	https://www.drycleaning.com.sg/blog/5-differences-between-dry-cleaning-and-laundry.html
5	https://www.rinse.com/blog/care/what-is-dry-cleaning/
6	https://fleming.ca.uky.edu/files/clothing_storage.pdf
7	https://www.home-storage-solutions-101.com/clothes-storage.html

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	L	L	L	L	L	L
CO2	L	M	M	S	S	L
CO3	L	M	M	M	M	L
CO4	L	M	M	M	M	L
CO5	L	L	M	M	M	L

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

Coursecode	FASHION APPRECIATION		L	T	P	C
ElectiveI(b)			4	-	-	3
Pre-requisite	Basicknowledgeinfashionconceptandvariousfashionenvironment					
CourseObjectives:						
Themainobjectivesofthiscourseareto:						
1. Tointroducevariousartformstothestudentsbyclassroomteaching,casestudies,pictorialpresentationandcrafttools.						
2. Toengagethestudentstoworkontypesoffashionandartformsbymakingthemtocreateminiauremodels.						
ExpectedCourseOutcomes:						
Onthesuccessfulcompletionofthecourse,studentwillbeableto:						
CO1	Rememberthebasicsoffashionconcepts					K1
CO2	Understandfashionstyling,roleoffashionandforecasting.					K2
CO3	Applytheconceptsofstylingasfreelancingandphotoshooting.					K3
CO4	Analyzethevariousculturaladoptionandworldart.					K4
CO5	Createworldartandwritingbasedonfashionconcepts					K6
K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6- Create						
Unit:1	IntroductionToFashion					12hours
Introductiontofashion–TypesofFashion:Haute Couturefashion–Ready-to-wearfashion–Massmarketfashion–Fashioncycle.						
Unit:2	FashionStyles					12hours
Typesoffashionstyles:chic,bohemian,vintage,preppy,artsy,tomboy. Alternativeclothing style: PunkFashion,GothicFashion, hipster, steampunk,streetgrunge,Heavymetalfashion.						
Unit:3	ArtForms					12hours
FashionasCulturalIndicators,CrossCultureStudies,Roleoffashioninhumanculture,FashionAdoptions–sourcesofinspirationandtheir selection. WorldArt–Cubism,Popart,Germanexpression,Futurism,Dada						
Unit:4	ArtofWriting					12hours
Art Writing, writing for blogs, mind mapping and keyword selection, working as a creativeteamwithfreelancingstylist.Creatingstory,contentpreparationforartandstyling,working onconceptboards,settingtrends,curatingandnarrating,fashionforecasting.						
Unit:5	Photoshoot					12hours
Stylingandbasicgrooming–modelposesbasedongarment–finalphotoshootandoutcome.						
					TotalLecturehours	60hours
TextBooks						
1	Louvre:allthePaintings,AnjaGrebe,BlackDog&Leventhal,NewYork,2020.					
2	PrintersoftheMughalGarden,BrigitteSingh,BishwadeepMaitra,MapinPublishingPvt,Ltd,					

	Gujarat,2018.
	ThinkLikeanArtist, WillGompertz,PenguinPublishers,London,2016.
ReferenceBooks	
1	PostModernism–AVeryShortIntroduction,ChristopherButler,OxfordUniversityPress,UttarPradesh,2002.
2	IndianArt,PartheMitter,OxfordUniversityPress,UttarPradesh,2001.
RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]	
1	https://www.masterclass.com/articles/types-of-fashion-styles
2	https://www.kokuyocamlin.com/camel/techniques/art-reporter/famous-painting-styles-of-the-world
3	https://sewport.com/learn/fashion-photoshoot

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	L	L	L	L	L	S
CO2	L	L	L	L	L	S
CO3	L	L	L	L	L	S
CO4	L	L	L	L	L	S
CO5	L	L	L	L	L	S

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

Coursecode	NON-WOVEN			L	T	P	C
ElectiveI(c)				4	-	-	3
Pre-requisite	Basicknowledgeaboutfabric						
CourseObjectives:							
Themainobjectivesofthiscourseareto:							
<ol style="list-style-type: none"> 1. RephraseFiberpreparationprocess. 2. GainanunderstandingaboutNonwovens. 3. ImpartknowledgeonBondingprocess. 4. Impartknowledgeonfiberpreparationfornon-wovenproduction 							
ExpectedCourseOutcomes:							
Onthesuccessfulcompletionofthecourse,studentwillbeableto:							
CO1	DefineNonwovensfiberusedintextileindustry.						K1
CO2	Understandthewash carelabels andactaccordingly and summarizefiber.PreparationProcessesofrawmaterials.						K2
CO3	Appraisethetypes ofequipmentusedinthecareoffabrics and categorizetheweb.bondingprocess.						K3
CO4	RecognizetheneedfordrycleaningforfabricsandInterpretpolymer technologies.anditssequene.						K2
CO5	Evaluatethemethodsandequipment'stobeusedforabetterlifeofclothes-- Analyzethestructureofnon-wovenfiber.						K5
K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6- Create							
Unit:1	Fiberfor Non-woven						12hours
OverviewofNonwovens -IntroductionandDefinitions,Elementsofnon woven,Fibers- geometry,Structureoffibrouswebs.Basicnonwovenprocessesandtheirsequences.							
Unit:2	FiberPreparationProcessesofrawmaterials						12hours
UsesofnaturalfiberforNonwovenfabrics,FiberPreparationProcessesofrawmaterials- FiberpreparationmixingandCardingprocess,Parallel-layprocess,Crosslayprocess,Perpendicular-layprocess,Air-layprocessandWet-layprocess.							
Unit:3	WebBonding						12hours
Web Bonding Processes Mechanical bonding processes- Needle-punch process andHydroentanglementprocess.							
Thermal bondingprocesses-Principlesofthermal bonding,Calendarbondingprocess,Through-airbondingprocess, Infra-redbonding process,Ultrasonicbonding process.							
Chemicalbondingprocesses- Chemicalbinders,Methodsofbinderapplications,Saturationbondingprocess,Foambondingprocess,Spray bondingprocess,Printbondingprocess,Methodsofdrying.							
Unit:4	StructureandApplication						12hours
Webgeometry,fiberorientationcurlfactor,webdensity.Identification,propertiesandapplicationofdifferentnon-wovens.							
Unit:5	EvaluationofNon-WovenFabrics						12hours
Porosity,tearstrength,airpermeability,tensilestrength,3- pointbendingtest,fatiguetest,CBRLoading,conepuncturetest,abrasiontest,peelingtest,pilling							

test,studyofDINstandards

		TotalLecturehours	60hours
TextBooks			
1	S.J.Russell(Ed.),HandbookofNonwovens,WoodheadPublishing,CRCPress,WashingtonDC,2007.		
2	W.Albrecht,H.FuchsandW.Kettelmann,NonwovenFabrics:RawMaterials,Manufacture,Applications,Characteristics,TestingProcess,Wiley-VCH,VerlagGmbH&Co.KGA,Weinheim,2003.		
ReferenceBooks			
1	M.S.Casper,NonwovenTextiles,NoyesDataCorp.(ParkRidge,N.J),1975		
2	M.Mcdonald,NonwovenFabricTechnology,ParkRidge,NJ:NoyesData,1971.AjointventurebyII ScandIITs,funded.		
RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]			
1	https://recovo.co/blog/what-is-non-woven-fabric/		
2	https://www.textileschool.com/352/non-woven-fabrics/		
3	https://www.textiletoday.com.bd/types-non-woven-fabrics-manufacturing-processes-applications		

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	L	L	L	L	L	L
CO2	L	M	M	S	S	L
CO3	L	M	M	M	M	L
CO4	L	M	M	M	M	L
CO5	L	L	M	M	M	L

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

ELECTIVE– II

Coursecode		BASICS OF COSMETOLOGY	L	T	P	C
ElectiveII(a)			4	-	-	3
Pre-requisite		Basicknowledgeaboutpersonalcare				
CourseObjectives:						
<ol style="list-style-type: none"> 1. To gain knowledge about personal grooming 2. To enable the student to develop knowledge in dressing, makeup to the Etiquettes. 3. To help them to understand and apply the procedures for different personalities 						
ExpectedCourseOutcomes:						
On the successful completion of the course, student will be able to:						
CO1	Importance of cosmetology					K1
CO2	Understand Equipment used for pedicure, basic pedicure technique					K2
CO3	Be aware of Equipment and techniques used for Manicure					K2
CO4	Analyze skin and hair					K3
CO5	Apply face makeup					K4
K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6- Create						
Unit:1	Cosmetology – An Introduction					12hours
Cosmetology – Introduction, Definition, and its importance – difference between beautician and cosmetologist – features of a cosmetologist – Types and application – Self-grooming – definition and its importance.						
Unit:2	Pedicure					12hours
Pedicure, definition, need for pedicure, tools and equipment used for pedicure, step by step procedure of pedicure – pedicure technique – benefits – difference between spa and regular pedicure – pedicure safety.						
Unit:3	Manicure					12hours
Manicure – equipment used for Manicure, Types – French, hot oil, dip power manicures – Paraffin wax treatments – shaping of nails, removal of the cuticles, Mehendi – Classical, Arabic, Glitter, Painting and Nail Art – Nail Care.						
Unit:4	Skin and hair					12 hours
Structure and function of skin, Skin types, skin tones, tips for skin care and steps in basic facial. Care for skin and hair – Basic Hairstyles: Knotted style – Rolling style – Plaited style – Basic structure of skin and hair, Products available, skin and hair care, makeup for face and hair do styles.						
Unit:5	Face makeup					12hours
Face makeup – meaning, makeup application, Makeup types, shape and colour of Hair, hair care and hair styles for occasion. Basic Haircuts – Straight Trimming, “U” – cut and “V” – Cut.						
		Total Lecture hours				60hours
TextBooks						
1	Dr. Neena Khanna, Body and Beauty Care, Pustak Mahal Publishers (2011).					
2	Rashmi Sharma, Herbal Beauty & Body Care. Pustak Mahal Publishers (2011).					

3	Richa Dave, Make-up Album, Navneet Publication (2006).
Reference Books	
1	Catherine M. Frangie. Milady, Standard Cosmetology, Milady Publishing Company. (2014).
2	Roshini Dayal, Natural Beauty Secrets from India, Tata Publishing Enterprises. LLC, (2008).
3	P.J. Fitzgerald., The complete book of Hairstyling, Mansoor bookhouse, (2003). Trinny woodwall, Sun Sanna Constantive,
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://www.pharmacistdunia.com/2018/07/introduction-to-cosmetology.html
2	https://ncert.nic.in/vocational/pdf/kvbk103.pdf
3	https://www.health.harvard.edu/topics/skin-and-hair
4	https://www.colorescience.com/blogs/learn/how-to-apply-makeup

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	M	S	M	S	S	S
CO2	M	S	L	S	S	S
CO3	M	S	M	S	S	S
CO4	L	S	M	S	S	S
CO5	L	S	L	S	S	S

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

Coursecode	HOME TEXTILES			L	T	P	C
ElectiveII(b)				4	-	-	3
Pre-requisite	KnowledgeaboutchoiceoffabricsforHomeTextiles						
CourseObjectives:							
Themainobjectivesofthiscourseareto:							
<ol style="list-style-type: none"> 1. Impartknowledgeonthevarioushometextileproducts 2. Gaininsightsonthebedlinens,kitchenlinens,bathroomlinens 3. Acquirebetterunderstandingonthechoiceoffabricsforthehometextileproducts 							
ExpectedCourseOutcomes:							
Onthesuccessfulcompletionofthecourse,studentwillbeableto:							
CO1	Classifythehometextileproducts						K2
CO2	Understandthetypesoffloorandwallcoverings						K2
CO3	Distinguishcurtainsanddraperies						K4
CO4	Describethetypesofsoftfurnishings						K1
CO5	Discoverthetypesandfunctionsofkitchenlinen						K3
K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6– Create							
Unit:1	HomeTextiles–AnIntroduction						12hours
Introductiontohometextiles,definition,typesofhometextiles,factorsinfluencingselectionofhometextiles, recenttrends in hometextiles							
Unit:2	FloorandWallCoverings						12hours
Floorandwallcoverings–definition,typesoffloorcovering–hard,softandresilientfloorcoverings and uses and care and maintenance of floor coverings. Wall covering- definition,uses,careandmaintenanceof wallcoverings							
Unit:3	DoorandWindowTreatments						12hours
Door and window treatments – definition and parts of door and windows, curtains and draperies – definitionandmaterialsusedforcurtainsanddraperies.TypesofCurtains– draw,tailored,pleated,cafe,threetiercurtains.TypesofDraperies–swags.Accessories- rodshook,rails,racks,curtain tapepins							
Unit:4	SoftFurnishingsforLivingandBedLinen						12hours
Introductiontolivingandbedroomlinens,types- sofa,sofacovers,wallhangings,cushion,cushioncovers,upholsteries,bolsterandbolstercovers,bedsheet s,covers,blankets,blanketcovers,comfortandcomfortcovers,bedspreads,mattressandmattress covers,pillowandpillowcovers,pads,usesandcare.							
Unit:5	SoftFurnishingsforKitchenandDining						12hours
Softfurnishingsforkitchenanddining,typesofkitchenlinens– kitchentowel,aprons,dishcloth,fridge,grinderandmixiecovers,mittens,fridgeholders– theirusesandcare.Typesofdining-tablemat,dish/potholders,cutleryholder,fruitbaskets,handtowels- usesandcare.Bathroomlinens–types,usesandcare							
						TotalLecturehours	60hours

TextBooks	
1	Home Comforts-The Arts and Science of Keeping Home, Cheryl Mendelson, Scriber, New York, 2005
2	Cushions and Pillows-Professional Skills-Made Easy, Hamlyn Octopus, Octopus Publishing Group, New York, 2001
3	The Ultimate Sewing Book 200 Sewing Ideas For You and Your Home, Magi McCormick Gordon, Collins and Brown, London, 2002
ReferenceBooks	
1	Design and make curtains, Heather Luke, New Holland publishers, London, 1999
2	Cornucopia of Cushions, Susie Johns, Apple Press, London, 1997
3	Art in Everyday Life, Harriet Goldstein and Vetta Goldstien, The Macmillian Company, 2004
4	Performance of Home Textiles, Subrata Das, Woodhead Publishing India Pvt. Limited, 2010
5	Home Furnishing, V. Ramesh Babu and S. Sundaresan, Woodhead Publishing India Pvt. Limited, 2018
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://www.homestratosphere.com/types-curtains/
2	https://bettersleep.org/mattress-education/mattress-accessories/pillow-types/
3	https://textilecourse.blogspot.com/2018/06/types-classification-home-textiles.html
4	https://www.fibre2fashion.com/industry-article/1769/home-textiles-a-review
5	http://www.india-crafts.com/textile/home-textile.html

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	S	S	S	M	M
CO2	S	S	S	S	M	M
CO3	S	S	S	S	M	S
CO4	S	S	S	S	M	S
CO5	S	S	S	S	M	S

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

Coursecode	GARMENTACCESSORIES ANDTRIMS		L	T	P	C
ElectiveII(c)			4	-	-	3
Pre-requisite	Knowledgeaboutthetypesofaccessoriesandtrimsused ingarment					
CourseObjectives:						
Themainobjectivesofthiscourseareto:						
1. Educateaboutvarioustypesoftrimsandaccessoriesusedinapparels						
2. Teachaboutthequalityrequirements						
ExpectedCourseOutcomes:						
Onthesuccessfulcompletionofthecourse,studentwillbeableto:						
CO1	Distinguishthetypesofaccessoriesusedingarment					K2
CO2	Differentiatethetypesoffibersusedinmakingsewingandembroiderythreads					K3
CO3	Assessthevarioustypesofclosuresusedinapparels					K3
CO4	Learnaboutthevarioustypesoftrimsused					K3
CO5	Listoutthequalityrequirementsforpolybagandcartonbox					K2
K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6- Create						
Unit:1	GarmentAccessories					12hours
Introductiontogarmentaccessories-Selectinggarmentaccessories-Typesofgarmentaccessories:Basicaccessories-Decorativeaccessories-Finishingaccessories-Accessories for children's wear - Designdevelopmentfordifferentaccessories-Safetyissuesfordifferentaccessoriesinchildren'sgarment- smallparts:chokinghazards-DecorativetrimsandEmbellishments.						
Unit:2	SewingandEmbroideryThreads					12hours
Sewingthreads-Textilefibersusedformakingsewingthreads-ThreadConstruction-TicketNumber-Qualityparametersapplicabletosewingthreadsandtesting-Threadpackages-Embroiderythreads-Qualityrequirements-Fibersusedforembroiderythreads-Qualityevaluationofembroiderythreads						
Unit:3	Closures					12hours
Zippers-Componentparts-Types-Applicationtechniques-Qualityparametersandtesting-Buttons-types - Quality requirements & testing procedures -Elastic - Application techniques - Types - Qualityrequirementsandtestingprocedures.Drawstrings-Methodofapplication-Qualityparameters-Velcro Methodofapplicationtechniques-Qualityparameters-Snapfastness-Types-Methodofapplication.Qualityparameters-Hooks-types-Methods ofapplication-QualityNorms						
Unit:4	SupportingandDecorativeTrims					12hours
Lining : Importance - Method of application - Quality requirements - Interlining : Importance - Types -Methodofapplication-Qualityrequirements-Fusingfoam:importance-Types-Methodofapplication-Qualityrequirements-Labelanditstypes-Methodapplicationongarment-Qualityrequirements-Lace-Importanceanditstypes-Qualityparameters-Methodofapplication-Appiqué:Importance-Typesofmaterials-Appliquecuttingtechniques-Applicationmethods-Qualityrequirements. Sequins:Introductionaboutvarioussequinsand theirtypes-Applicationtechniques-Qualityrequirements.						
Unit:5	PackingAccessories					12hours

Tags and itypes–Quality requirements–Polybags and itypes–Quality norms pertaining to polybags– Hangers and itypes–Cartons and itypes–Testing required for apparelexport Cartons– Factor to be considered for export cartons- Wrappers and Tissues–Pouches for innerwear– Latest innovation in packing accessories		
		Total Lecture hours
		60 hours
Text Books		
1	Fashion Apparel Accessories and Home Furnishing's, Diamond Professor Emeritus, Jay; Diamond A djunct Faculty, Ellen., Prentice Hall, 2006	
2	Know Your Fashion Accessories, Celia Stall- Meadows, Tana Stufflebean, Fairchild Books & Visuals, 2003	
Reference Books		
1	Carr and Latham's Technology of Clothing Manufacture, Edited by David J. Tyler, 2009	
2	Apparel Manufacturing Handbook, Analysis, Principles and Practice, Jacob Solinger, Bobbin Media Corporation, 1988	
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]		
1	https://ordnur.com/textile/list-of-trimmings-and-accessories-use-in-garments/	
2	https://www.onlineclothingstudy.com/2018/10/the-fusing-technology-fusing-parameters.html	
3	https://apparelresources.com/fashion-news/trends/trims-and-accessories-from-being-functional-to-giving-an-innovative-edge-to-garments/	
4	https://medium.com/@stitchdiary/importance-of-decorative-trims-in-the-garment-industry-3b306e4b59ef	

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	M	S	M	M	L
CO2	S	M	S	M	M	L
CO3	S	M	S	M	M	L
CO4	S	M	S	M	M	L
CO5	S	M	S	M	M	L

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

ELECTIVE - III

Coursecode	HOMETEXTILES PRACTICAL			L	T	P	C
Elective–III(a)				-	-	4	3
Pre-requisite	Basicknowledgeinsewing						
CourseObjectives:							
Themainobjectivesofthiscourseareto:							
<ol style="list-style-type: none"> 1. Understandthetypesofhometextiles. 2. Impartknowledgeontheapplicationofhometextiles. 3. Designandhometextiles. 							
ExpectedCourseOutcomes:							
Onthesuccessfulcompletionofthecourse,studentwillbeableto:							
CO1	Understandthetypesofhometextiles					K2	
CO2	Analysethepartsandfunctionsofhometextiles					K4	
CO3	Createdesignsfortypesofhometextilesandshowvariations					K6	
CO4	Constructhometextiles					K6	
CO5	Applycolourcombinationsandfabricselectionthroughouttheprocess					K4	
K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6– Create							
1.PreparationofWallHangings/DoorHanging(Design/Sketch5designsandconstructone)						10hours	
2.PreparationofTablelinenset(Design/Sketch5designsandconstructone)						20hours	
<ul style="list-style-type: none"> • Tablecloth • Runner • Placemat • TableNapkin 							
3.PreparationofBedlinens(Design/Sketch5designsandconstructone)						15hours	
<ul style="list-style-type: none"> • BedsheetswithPillow Cover 							
4.PreparationofCurtainsandDraperies(Design/Sketch5designsandconstructone)						15hours	
TotalLecturehours						60hours	
TextBooks							
1	HomeTextiles,TKarthikandDGoplalakrishnan,DayaPublishingHouse,2018						
2	HomeFurnishing,V.RameshBabuandS.Sundaresan,WoodheadPublishingIndia,2018						
ReferenceBooks							
1	Interiordecoratingeffects,StewartandsallyWalton,Lorenzbooks,2000						
RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]							
1	https://lunaweddingandeventsupplies.com.au/blogs/news/types-of-tablecloth						
2	https://valenciaextension.nmsu.edu/documents/housing--interior-design-id.pdf						

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	M	M	S	S	S	M

CO2	M	S	M	S	S	S
CO3	L	M	S	M	M	S
CO4	M	M	S	S	M	S
CO5	L	M	S	M	L	S

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

Coursecode		FASHIONPHOTOGRAPHY PRACTICAL	L	T	P	C
Elective-III(b)			-	-	4	3
Pre-requisite		Basicknowledgeongarmentpresentation				
CourseObjectives:						
Themainobjectivesofthiscourseare to:						
<ol style="list-style-type: none"> 1. Understandtheconceptsofphotographyandeditingprocess. 2. Giveideasondevelopingaphotoandenablephotographytechniquesinvariousfields. 3. Enablestudentstoknowaboutimageeditingwithspecialeffects. 						
ExpectedCourseOutcomes:						
Onthesuccessfulcompletionofthecourse,studentwillbeableto:						
CO1	Remembergeneralprinciplesofphotography					K1
CO2	Understandthelightingtechniquesforindoororoutdoorphotography					K2
CO3	Applythetechniquesinthe fieldofmodelling,magazine,fashionshowsetc...					K3
CO4	Evaluatetherightimageselectionforthepurposeofphotography					K4
CO5	Createimageswiththehelpofcomputerapplications					K6
K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6- Create						
Photography:						20hours
<ol style="list-style-type: none"> 1. ProductPhotography 2. ModellingPhotography 3. IndoorandOutdoorPhotography 						
Specialeffects:						20 hours
<ol style="list-style-type: none"> 1. BlackandWhiteImage 2. GrayScaleImage 3. MonoColourImage 4. NegativeImage 5. CutColourImage 						
Imageediting:						20hours
<ol style="list-style-type: none"> 1. Collagework 2. Creativeimageediting 3. Creativelayout 						
TotalLecturehours						60hours
TextBooks						
1	BasicIndustrialArts,Plastics,GraphicsArts,W.R.Miller,PowerMechanics,Mcknight&McKnightPublishingCompany,US,1978.					
2	Photography,Illionois,McKnightPublishingCompany,US,1978.					
ReferenceBooks						
1	PhotographyCourse,JohnHedge,JohnHedgeCo,UK,1992.					
RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]						
1	https://shutterstoppers.com/photoshop-tutorial-fashion-photography#:~:text=A%20simple%20beauty%20edit%20is,can%20easily%20make%20it%20darker.					

2	https://enviragallery.com/editing-fashion-photography-for-beginners/
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Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	S	S	L	L	S
CO2	M	M	S	L	L	S
CO3	S	S	S	L	M	S
CO4	M	L	S	M	L	S
CO5	S	L	S	M	L	S

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

Coursecode	ORNAMENTS AND ACCESSORY MAKING PRACTICAL		L	T	P	C
Elective–III(c)			-	-	4	3
Pre-requisite	Familiarwithtypesofornamentsandaccessories					2020-2021
CourseObjectives:						
Themain objectivesofthiscourseareto:						
1. Tocreateanddevelopornamentsandaccessories.						
2. Todesignornamentsandaccessoriesforvariousoccasion.						
ExpectedCourseOutcomes:						
Onthesuccessfulcompletionofthecourse,student willbeableto:						
1	Developnewaccessorieswithfabrics					K6
2	Understand newtechniquesofcreatingornaments.					K2
3	Discovernew ideasofcreatingornamentsandaccessories.					K3
4	Createacompletesetofornamentsfor bridalandotherspecialdress					K6
5	Organizeitemsneed forcreatingaccessoriesandornamentsefficiently					K6
K1-Remember;K2-Understand;K3-Apply;K4-Analyze;K5-Evaluate;K6–Create						
Create the Following Accessories with Fabric.						20hours
<ul style="list-style-type: none"> • Handbag/cellphonepouch • Slipperorshoe • Beltformenandwomen • MaskandGloves 						
Create the following ornaments.						30hours
<ul style="list-style-type: none"> • Hairornaments • Earornaments • Neckornaments • Handornaments • Fingerornaments • Hipornaments • legsornaments • Headfascinator 						
Create set of ornaments to suit a dress.						10hours
<ul style="list-style-type: none"> • Setofornamentsfor bridalwear/fashionshow/officewear/casualwear/dancecostumes. 						
Record Notebook–						
Fixphotographsoftheitemscreatedandexplainthedetailsofmaterialsusedandthethodofconstruction						
Total Lecture hours						60hours

Text Books	
1	Jewellery Making, A Complete Course for Beginners, Jinks McGrath, Apple Press, 2007
2	The Workbench Guide to Jewellery Techniques, Anastasia Young, Thames and Hudson, 2010
Reference Book	
1	The Bag Making Bible: The Complete Creative Guide to Sewing Your Own Bags - Lisa Lam, Amy Butler, Published by David & Charles, 2010
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://www.youtube.com/watch?v=pdwJZSUjfs
2	https://www.youtube.com/watch?v=4jNCJm3j0ec
3	https://www.youtube.com/watch?v=RehISbeKeMo
4	https://www.youtube.com/watch?v=bpjpvxos200
5	https://www.youtube.com/watch?v=7OTfnxojulM

Mapping with Programme Outcomes										
Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	P10
CO 1	S	S	S	S	M	L	L	M	M	S
CO 2	S	S	S	S	M	M	L	M	L	S
CO 3	S	S	S	S	M	M	L	M	L	S
CO 4	S	S	S	S	S	S	S	S	M	S
CO 5	M	L	L	L	M	M	L	S	M	S

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

ELECTIVE- IV

Coursecode	DRAPINGPRACTICAL		L	T	P	C
Elective–IV(a)			-	-	3	3
Pre-requisite	Basicknowledgeoncomputers					
CourseObjectives:						
Themainobjectivesofthiscourseareto:						
<ol style="list-style-type: none"> 1. Teachthebasicspreparethebodyformsandfabricsfordraping. 2. Createpatternsforbasicbodiceandskirtsusingdrapingmethod. 3. Createpatternsfor yokesandcollarsusingdrapingmethod. 						
ExpectedCourseOutcomes:						
Onthesuccessfulcompletionofthecourse,studentwillbeableto:						
CO1	Discoverandmarktheimportantstructurallinesinadummyform				K3	
CO2	Analysethefabric,straigtenthefabricendsandremovethecreases				K4	
CO3	Createdrapedpatternsforbasicbodiceblocksandskirt				K6	
CO4	Createdrapedpatternsfortypesofyokes				K6	
CO5	Createdrapedpatternsfortypesofcollars				K6	
K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6– Create						
1.PreparationofBodyForms					8hours	
<ul style="list-style-type: none"> • MarktheChestLinewithStyleTape • MarktheEmpire/UnderChestLinewithStyleTape • MarktheWaistlinewithStyleTape • MarktheHipLinewithStyleTape 						
2.PreparationofFabric					8hours	
<ul style="list-style-type: none"> • Removecreasesbyironingthefabric. • Straigtenthefabric 						
3.DrapetheFollowingPatterns					9hours	
<ul style="list-style-type: none"> • DrapingofBodiceFront • DrapingofBodiceBack • DrapingofSkirtwithfulness 						
4.DrapetheFollowingYokes					10hours	
<ul style="list-style-type: none"> • SimpleYoke • YokewithFullnesswithintheYokeShirtYoke • MidriffYoke 						
5.DrapetheFollowingCollars					10hours	
<ul style="list-style-type: none"> • PeterPanCollar • MandarinCollar/ShirtCollar • ShawlCollar/ConvertibleCollar 						
TotalLecturehours					45hours	
TextBooks						
1	DrapingforApparelDesign,3rdEdition–HelenJosephanandArmstrong,BloomsburyAcademic, 2013					
2	TheArtofFashionDraping,ConnieAmadedandCrawford,BloomsburyAcademic,2018					

ReferenceBooks	
1	TheArtofFashionDraping,ConnieCrawford,BloomsburyPublishingIndiaPrivateLimited,2007
2	DrapingforFashionDesign,HildeJaffe,PrenticeHall,2000.
3	DrapingforApparelDesign,HelenJosephandArmstrong,BloomsburyAcademic,2008.
4	DrapingforFashionDesign,HildeJaffeandNurieRelis,Pearson/PrenticeHall,2005.
RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]	
1	https://www.youtube.com/watch?v=hAvjXU9xrOM
2	https://www.youtube.com/watch?v=BhG9Sp3UutI
3	https://www.moodfabrics.com/blog/intro-to-draping-dress-form-muslin-basics/
4	https://fitnyc.libguides.com/fashiondesign/draping
5	https://www.youtube.com/watch?v=-Hrigrvg4RA

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	S	L	S	S	M
CO2	S	S	L	S	S	M
CO3	S	S	L	S	S	M
CO4	S	S	L	S	S	M
CO5	S	S	L	S	S	M

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

Coursecode		DESIGN PROCESS AND PRODUCT DEVELOPMENT PRACTICAL	L	T	P	C
Elective-IV(b)			-	-	3	3
Pre-requisite	Basicknowledgeongarmentpresentation					
CourseObjectives:						
Themainobjectivesofthiscourseareto: 4. Understandthedesiginingprocess. 5. Giveideasondevelopingaproduct. 6. Enablestudentstoknowsequenceofstepsinvolvesinproductdevelopmet.						
ExpectedCourseOutcomes:						
Onthesuccessfulcompletionofthecourse,studentwillbeableto:						
CO1	Remembergeneralprinciplesofdesign				K1	
CO2	Understandthedesignprocess				K2	
CO3	Applythetechniquesgarmentdesigininginproductdevelopment				K3	
CO4	Evaluatethegarmentoutfit.				K4	
CO5	Createreadytowearandhautecoutureoufits				K6	
K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6- Create						
Preparereadytowearoutfitandhautecouture					45hours	
Instructions						
<ul style="list-style-type: none"> The students should prepare Two ready to wear outfits and one haute couture outfit basedonchosen themefor Kids, Men andWomen’s wear Itismandatoryforstudentstoprepareproductdevelopmentrecordfortheirexamination. TheproductandrecordwillbeevaluatedbyaTeamofInternal&ExternalExperts. Thiswillbefollowed bytheViva-Voce. 						
TotalLecturehours					45hours	
TextBooks						
1	FashionDesignandProductdevelopment,HaroldCarr,JohnPomeroy,BlackwellPublication,1992.					
2	Portfoliodesign+Presentation,AnnaKiper,Batasfordpublications,2014.					
3	Portfoliopresentationforfashiondesigners,LindaTain,FairchildPublishers,2010.					
ReferenceBooks						
1	PortfolioManagement,S.Kevin,PrenticehallofIndia,PHIpublications,2006.					
2	DesignwithColor:TheDesignguidetoover1000colorcombination,Alles,Jeanne,ChronicleBooks, 1992.					
RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]						
1	https://youtu.be/HEsmu45SKv4					
2	https://youtu.be/buERDxlBn8w					

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	S	S	L	L	S

CO2	M	M	S	L	L	S
CO3	S	S	S	L	M	S
CO4	M	L	S	M	L	S
CO5	S	L	S	M	L	S

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

Coursecode	PATTERN MAKING FOR KNITSPRACTICAL		L	T	P	C
Elective–IV(c)			-	-	3	3
Pre-requisite	Basicknowledgeaboutfabricandgarmentcare					
CourseObjectives:						
Themainobjectivesofthiscourseareto:						
1. Trainthestudentsinpreparingpatternsforvariousstyles.						
2. Enablethestudentstogradethepreparedpatternforvarioussizes.						
ExpectedCourseOutcomes:						
Onthesuccessfulcompletionofthecourse,studentwillbeableto:						
CO1	Understandthemeasurementchartandspecificationsandgainknowledgeaboutallowancesatvariouspoints				K2	
CO2	ApplytheknowledgeanddraftthepatternmanuallyaswellasusingCADsoftware				K2	
CO3	CreatepatternanygivenmeasurementmanuallyaswellasusingCADsoftware				K3	
CO4	GradethepatternforanysizefrombasicsizemanuallyaswellasusingCADsoftware				K5	
CO5	Calculatethemakerefficiencyandapplywaystoreducewastage				K5	
K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6– Create						
Draftandgradepatternsforthefollowing garments					45hours	
<ol style="list-style-type: none"> 1. Kid’sWear–Romper 2. Kid’sWear– ALinefrock 3. Children’sSuitsandPyjama 4. LadiesSkirt 5. Women’sNightwear 6. Brief 7. Men’sBasicTShirt 8. RaglanwithPocket 9. Men’sPoloTShirt 10. Men’sTrouser 11. Men’sT-Shirtwithhood 12. Men’sInnerGarment– VestsRN/RNS 						
					TotalLecturehours	
					45hours	
TextBooks						
1	Professionalpatternmakingfordesigners–women’swearmen’scasualwear,JackHandford, FairchildPublications,2003					
2	PatterncuttingforclothingusingCAD,Lectra&Modaris,M.Stott,WoodheadPublishing,2012					
ReferenceBooks						
1	PatterncuttingforclothingusingCAD,Lectra&Modaris,M.Stott,WoodheadPublishing,2012					
RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]						
1	https://www.textileschool.com/293/pattern-making					
2	https://www.thecreativecurator.com/pattern-making					

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	M	M	M	M	L
CO2	S	M	M	M	M	L
CO3	S	M	M	M	M	L
CO4	S	M	M	M	M	L
CO5	S	M	M	M	M	L

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

ELECTIVE- V

Coursecode	ECO DYEING AND PRINTING PRACTICAL		L	T	P	C
Elective–V(a)			-	-	4	3
Pre-requisite	Basicknowledgeondesigning					
CourseObjectives:						
Themainobjectivesofthiscourseareto:						
<ol style="list-style-type: none"> 1. Identifynaturaldyesandpigments. 2. Movingtowardssustainability. 3. Enjoythenaturearoundus. 						
ExpectedCourseOutcomes:						
Onthesuccessfulcompletionofthecourse,studentwillbeableto:						
CO1	Understandthetypesofflowersandleavesintheneighborhood				K2	
CO2	Analysethecoloursthatcanbecreatedfromflowersandleaves				K4	
CO3	Dyethefabricwithnaturalcolors				K6	
CO4	Createprintswithflowers,leavesandrut				K6	
CO5	Creategarmentdesignswithecodyesandprints				K6	
K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6– Create						
1.Creategarment/hometextilewithanaturaldyederivedfromthefollowing					30hours	
<ul style="list-style-type: none"> • Flower(2types) • Leaf(2types) • Fruits/Vegetables(Donotuseediblepartsonlywaste) 						
2.Creategarment/hometextilewithEcoPrintsderivedfromthefollowing					30hours	
<ul style="list-style-type: none"> • Flower • Leaf • Fruits/Vegetables(Donotuseediblepartsonlywaste) • Rust 						
TotalLecturehours					60hours	
TextBooks						
1	EcoPrintingforBeginners:GuideToEcoPrinting,Steps,Tips,EcoPrintingMethodsAnd More,Brett Ethan,2022					
ReferenceBooks						
1	Eco Printing 101: Beginners Guide To Eco Printing, Basics, Steps, Tips And Many More,ConnorJace, 2022					
RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]						
1	https://mochni.com/eco-prints-learn-the-process-of-all-natural-eco-printing/					
2	https://www.fiberartsy.com/eco-printing-fabric/					
3	https://krex.k-state.edu/bitstream/handle/2097/9118/Haar+Eco+Prints+2011+KSU+Sustainability.pdf;jsessionid=673BEA425E2BE6E776178A462C74D5DF?sequence=1					
4	https://naturalfabricdyeing.com/wp-content/uploads/2017/08/All-Eco-Printing-Techniques.pdf					

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	M	M	S	S	S	M
CO2	M	S	M	S	S	S
CO3	L	M	S	M	M	S
CO4	M	M	S	S	M	S
CO5	L	M	S	M	L	S

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

Coursecode	KNITTING PRACTICAL		L	T	P	C
Elective–V(b)			-	-	4	3
Pre-requisite	Basicknowledgeinknittingandweaving					
CourseObjectives:						
Themainobjectivesofthiscourseareto:						
1. Analyzetheweftknittedstructurestodeterminethestitchdensity,looplength,tightnessfactor, andtodeterminethecamorder,needleorderrequirements.						
2. Analyzethejacquardstructurestodeterminetheyarnrequirements, andtodeterminethecamsettingdetails.						
3. AnalyzethewovenstructurestodeterminetheEPI,PPI,yarncount,yarncrimp&Coverfactor, andtodeterminedraftingorderandpegplanning						
ExpectedCourseOutcomes:						
Onthesuccessfulcompletionofthecourse,studentwillbeableto:						
CO1	AnalyzeandidentifythetypeoffabricstructureofknittedFabrics				K4	
CO2	Evaluatethemachinerequirementsforproducingknittedfabricstructures				K5	
CO3	Understandsinglerjerseyknitstructureanditsderivatives				K4	
CO4	Understanddoublejerseyknitstructureanditsderivatives				K5	
CO5	UnderstandAutostripeandJacquardknitstructures				K6	
K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6– Create						
Analyze the given knitted fabric sample					30hours	
1. Singlejerseyanditsderivative–5samples 2. Doublejerseyanditsderivatives-5samples 3. AutostripeandJacquarddesigns–2samples						
Instructions for Analysis					30hours	
a) CourseandWaleDensity b) Looplength c) ArealDensity(GSM) d) TightnessFactor e) Technicalgraph f) Camorder g) Needleorder						
TotalLecturehours					60hours	
TextBooks						
1	FabricStructureandDesign,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					

RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]	
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

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	S	M	L	L	S
CO2	S	S	M	L	L	S
CO3	S	S	M	L	L	S
CO4	S	S	M	L	L	S
CO5	S	S	M	L	L	S

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

Coursecode	DESIGN FOR HIGH END KNITSPRACTICAL		L	T	P	C
Elective-V(c)			-	-	4	3
Pre-requisite	Basicknowledgeonknitsandits application					
CourseObjectives:						
Themainobjectivesofthiscourseareto:						
<ol style="list-style-type: none"> 1. Knowtheusageofknittedfabrics. 2. Createinnovatedesignsinknittedfabrics. 3. Learnversatileapplicationofknittedfabrics 						
ExpectedCourseOutcomes:						
Onthesuccessfulcompletionofthecourse,studentwillbeableto:						
CO1	Rememberthequalitiesofknittedfabrics				K1	
CO2	Understandthepropertiesofknittedfabrics				K2	
CO3	Applyknittedfabricsininnovativeareas				K3	
CO4	Analyzetheornamentationmethodsinknittedfabrics				K4	
CO5	Evaluatetheusageofknittedfabricsasahometextilematerial				K5	
K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6- Create						
GarmentConstruction						
60hours						
Preparingatrendreportbasedonmarketstudy,fieldresearch,brandanalysisand interview.Trendprediction for newproduct development						
<ol style="list-style-type: none"> 1. ApplicationofknitfabricforIndianethnicproducts 2. Creatingcontemporaryartworks 3. Surfaceornamentationonknitfabric. 4. Applicationofwesterninspirationforhighendknits 5. Designandconstructwearableartwithknittedfabric. 6. Createhometextileproductsoutofknitwastes. 7. Drapeethnicwearusingknitfabric. 8. Sketchandconstructintimatewear/Creatingschooluniformwithknitfabric. 						
EvaluationbyViva-voce						
					TotalLecturehours	60hours
TextBook(s)						
1	DesigningforKnitwear,DeborahNewton,TheTauntonPress,NewTownCT1998.					
ReferenceBooks						
1	KnitwearFashionDesign,MaiteLafuente,PromopressPublishers,Spain,2017.					
RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]						
1	https://style2designer.com/pattern-cutting-cad-cam/cutting-sewing-techniques/mens-shirt-drafting-sewing-tutorial/					

Cos	PO1	PO2	PO3	PO4	PO5	PO6
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CO1	M	S	S	S	L	M
CO2	M	S	S	S	L	M
CO3	M	S	S	S	L	M
CO4	M	S	S	S	L	M
CO5	M	S	S	S	L	M

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

ELECTIVE- VI

Coursecode		MARKETINGANDMERCHANDISING	L	T	P	C
Elective-VI(a)			4	-	-	3
Pre-requisite		Basicknowledgeffashionandconsumer				
CourseObjectives:						
Themainobjectivesofthiscourseareto:						
1. Impartknowledgeontheunderlyingconceptsofmarketingandfashionmarketing						
2. Familiarisewiththefashionproducts,consumer,communications,researchandforecasting						
3. Describetheroleofmerchandisersinthegarmentindustryandtheirtypes						
ExpectedCourseOutcomes:						
Onthesuccessfulcompletionofthecourse,studentwillbeableto:						
CO1	Understandthebasicconceptsofmarketingandfashionmarketing					K2
CO2	Describethetypesoffashionproductsandtheconsumerbehavior					K1
CO3	Explaintheprocessofcommunication,marketingresearchandforecasting					K1
CO4	Discovertheimportanceofmerchandisersandtheirtypes					K3
CO5	Interprettypesofstores,design,layoutsandmerchandisepresentation					K2
K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6- Create						
Unit:1	IntroductiontoMarketing					12hours
Marketing– Meaning,Marketingmanagementphilosophies,MarketingandFashionMarketing,Thefashionmarket– structureandsize.Marketingenvironment–MicroandMacromarketing.MarketingMix– Product,price,promotionandplace;MarketingFunctions–Assembling, standardizationandpackaging;DigitalMarketing–meaning,scopeandadvantages						
Unit:2	FashionProductsandtheConsumer					12hours
Marketingfashionproducts– importanceandclassificationofproducts;theproductmixandrangeplanning;thefashion productlifecycle;FashionConsumer– Roleofconsumerbehaviorinmarketing,typesofconsumerdecisions,thedecisionprocess,factorsthatinflue ncedecisions-consumerattitudes,consumermotivation, consumerpersonality,opinionleadership,familyandsocialstatus						
Unit:3	MarketingCommunication,ResearchandForecasting					12hours
Fashion marketing communications – traditional approach and integratedapproachFashionmarketingresearch– purposeandsignificance,stagesintheresearchprocessFashionforecasting– meaningandimportance,basicsofpredictingtrends–colour,theme,shape,keyevents, targetmarket;trendforecastingprocess						
Unit:4	TypesofMerchandisers					12hours
Merchandiser – essential qualities of a merchandiser; types and functions of merchandisers – fashionmerchandiser,visualmerchandiser,exportmerchandiserandretailmerchandiser;VisualM erchandising–ElementsofVisualMerchandising–Needs–Psychology– TypesofDisplay;Elementsofdisplay.						
Unit:5	STOREMANAGEMENTINMERCHANDISING					12hours

Store Management in Merchandising- Introduction, Objectives, Types of Stores, Location of a Store, Store Layout, Types of Store Layouts, Store Space Allocation. Store Design- Introduction, Concept of Store Design, Exterior of a store, Interior of a store, Merchandise Presentation- tools and techniques		
		Total Lecture hours
		60 hours
Text Books		
1	Fashion Marketing, Mike Eassey, Wiley-Blackwell Publishing, 2009.	
2	Fashion Merchandising and Merchandising, Mary G. Wolfe, The Goodheart-Willcox Co., Inc, Illinois, 2014.	
3	Fashion – From concept to consumer – Gini Stephens Frings, Prentice Hall (1999).	
4	Fashion Marketing Management, V. Ramesh and A. Arunraj Babu, Woodhead Publishing India, 2019	
Reference Books		
1	Marketing, Philip Kotler, Gary Armstrong, Veronica Wong, John Saunders, Pearson Education, India, 2008	
2	Fashion- from Concept to Consumer, 9th Edition, Gini Stephens Frings, Pearson Education Ltd, Harlow, 2014	
3	Fashion Marketing, Janet Bogdanovic and Liz Clamp, Routledge, 1994	
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]		
1	https://www.iknockfashion.com/need-of-trend-forecasting/	
2	http://www.createafashionbrand.com/the-5-basics-of-trend-prediction/	
3	https://www.fibre2fashion.com/industry-article/7054/decoding-the-process-of-trend-forecasting-in-fashion	
4	https://textilelearner.blogspot.com/2013/10/role-of-merchandiser-in-apparel-industry.html	
5	https://clothingindustry.blogspot.com/2017/12/merchandiser-merchandising-garment.html	
6	https://blog.hubspot.com/marketing/what-is-digital-marketing	

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	L	S	S	M	M	M
CO2	L	M	S	M	S	M
CO3	L	M	S	S	M	M
CO4	L	S	S	M	M	S
CO5	L	L	S	S	S	S

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

Coursecode	KNITTING			L	T	P	C
Elective-VI(b)				4	-	-	3
Pre-requisite	BasicknowledgeaboutBusiness						
CourseObjectives:							
Themainobjectivesofthiscourseareto:							
<ol style="list-style-type: none"> 1. Familiarizewiththebasicsofknittingprocess 2. Impartknowledgeonthewarpandweftknittingtechniques 3. Toknowtherecenttrendsandtechnologiesadoptedintheindustry 							
ExpectedCourseOutcomes:							
Onthesuccessfulcompletionofthecourse,studentwillbeableto:							
CO1	Understandthebasicsknittingprocessandthefunctionsofaknittingmachine						K2
CO2	Discovertheweftknittingprocessandmachineriesused						K3
CO3	Discoverthewarpknittingprocessandmachineriesused						K3
CO4	Appraisetherecenttechnologyintheknittingindustry						K5
CO5	Articulatethesignificantroleplayedbytheknittingindustrylocallyandnationally						K3
K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6- Create							
Unit:1	KnittingOverview						12hours
Knitting–Definition,classificationandhistory,characteristicsofknittedgoods.Generaltermsandprinciples of knitting technology, machine knitting, parts of machine, knitted loopstructure,stitchdensity							
Unit:2	PrinciplesofWeftKnittingTechnology						12hours
Weftknitting–classification-circularribknittingmachine,purl,interlock,jacquard-single jersey-machine-basicknittingelements-typesandfunctions–knittingcycle,CAM–system-3-waytechniquetodevelopdesign-knit,tuck,miss-effectofstitchesonfabricproperties.							
Unit:3	PrinciplesofWarpKnittingTechnology						12hours
Warpknitting-lappingvariations-tricot,raschel,simplexandMilanese-kittenraschel-singlebar,2bar,multibarmachines.typesofthreading,productionofnets,curtains,heavyfabrics,elasticizedfabrics.							
Unit:4	SeamlessKnittingandKnittingCare						12hours
SeamlessKnitting–Applications,advantages, andlimitations. Care and maintenance of knittedmaterial-washing,drying,ironing,storing.Commondefectsthatoccurinknittedfabricproduction.							
Unit:5	KnittingIndustryandmarket						12hours
KnittingIndustryinIndia–growthanddevelopment. Significanceofknitwearindustryin Tirupur.Knitwearmarket–Presentandfuturetrends.DyeingofKnitFabric							
						TotalLecturehours	60hours
TextBooks							
1	KnittingManufactureTechnology-Anbumani,NewAgeInternational,Chennai,2006						
2	KnittingandApparelTechnology,S.S.M.I.TCo-operativeSociety.2005						

ReferenceBooks	
1	KnittingTechnology,DBA Jgaonker,UniversalPublishingCorporation,1998
2	Warpknitfabricconstruction:fromstitchformationtostitchconstruction,Wilkens,C.,Heusenstamm,Germany:U.WilkensVerlag,1995.
3	FlatKnitting,MeisenbachBamberg,Samuel.R,Germany,1991
RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]	
1	https://fashion2apparel.blogspot.com/2017/02/seamless-garments-advantages.html
2	https://www.indiaretailing.com/2018/06/12/fashion/indian-knitwear-market-present-and-the-future-trends/
3	https://www.fibre2fashion.com/industry-article/64/overview-of-tirupur-knitwear-industry
4	https://www.fibre2fashion.com/industry-article/7047/seamless-garment-technology
5	https://textilelearner.blogspot.com/2013/01/faultsdefects-in-knitted-fabrics.html

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	M	S	S	S	M
CO2	M	M	S	S	M	S
CO3	M	L	M	M	S	S
CO4	L	M	S	S	S	M
CO5	M	M	S	M	M	S

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

Coursecode		APPAREL BRAND MANAGEMENT	L	T	P	C
Elective-VI(c)			4	-	-	3
Pre-requisite	Basicknowledgeinapparelbusinessprocess					
CourseObjectives:						
Themainobjectivesofthiscourseareto:						
1. GetfamiliarizethestudentswiththeconceptsandstrategiesinvolvedinBrandingforeffectiveBrandBuilding.						
2. IdentifythevariablethatdrivethesuccessofBrands.						
3. DevelopandimplementwinningBrandStrategiesinanarrayofcompetitivecontexts.						
ExpectedCourseOutcomes:						
Onthesuccessfulcompletionofthecourse,studentwillbeableto:						
CO1	UnderstandconceptsandstrategiesinvolvedinBrandingforeffectiveBrandBuilding.					K2
CO2	Learnaboutthebrandpositioningstrategies					K3
CO3	ListoutthevariousBrandappraisalmethods					K3
CO4	LearndevelopandimplementwinningBrandStrategiesinanarrayofcompetitivecontexts					K2
CO5	LearnaboutthevariablethatdrivethesuccessofBrands					K3
K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6- Create						
Unit:1						
SignificanceofBranding					12hours	
Brand-Definition,Evolution,functions,brandsignificance;branding- typesandstrategiesinternationalapparelbrands- identificationofperspectivesandchallengestobuildbrand- IndiangarmentbrandsandprospectsofIndianbrands						
Unit:2						
BrandPositioning					12hours	
ImportanceofBrandingPositioning-Basicbrandingconcepts- BrandImage,BrandIdentity,BrandEquityandBrandPersonality- MeaningandDefinition,Types,Elements;Brand Ambassadors- CelebrityBranding;BrandLoyalty;ProductVsCorporateBranding:MajorBrandingdecisions. positioningstrategiesofinternationalgarmentretailers						
Unit:3						
BrandAppraisal					12hours	
Brandappraisal-Definitionandmethods- exploration,market,customer,competitionanalysis,reasoningofbrandsimportanceandmethodsinvolve d-laddering,emotionalandrational,Brandmapping-circle,prismandtriangle						
Unit:4						
BrandRepositioning					12hours	
BrandIdentityandExtension:Brandidentityandarticulation-name,colour,design,logoandsymbols, brand service advertising and cross-cultural influence; brand extension - need andtypes;AdvantagesandDisadvantages;labellingandlicensingofapparelproducts- types,licenseagreement,andinternationalpropertyrights;needfordevelopingbrandnamesandlabelsfor apparelmanufacturedandexportedfromIndia						
Unit:5						
BrandMeasurement					12hours	

Brandmeasurement-definition,needandmethods-audit,track,brandovertime-managing

brandimage-need,conceptsofmanagement,forcesaffectingbrandandmaintenanceofbrand,Studyon brandsandbrandmanagementofIndianGarment	
	TotalLecturehours
	60hours
TextBooks	
1	BrandManagement:TextsandCases,Niraj.Kumar,HimalayaPublishingHouse,2015
ReferenceBooks	
1	BrandManagement,HarshVVerma,Excelbooks,2010
2	BrandManagementTextandCases,MathurU.C.,MacmillanIndiaLtd.2006
RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]	
1	https://www.tutorialspoint.com/brand_management
2	https://www.managementstudyguide.com/brand-management.htm

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	L	L	L	S	M	S
CO2	L	L	L	S	M	S
CO3	L	L	L	S	M	S
CO4	L	L	L	S	M	S
CO5	L	L	L	S	M	S

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

ELECTIVE- VII

Coursecode		ORGANISATIONOF GARMENTUNIT	L	T	P	C
Elective-VII(a)			5	-	-	3
Pre-requisite		Basicknowledgeongarmentandquality				
CourseObjectives:						
Themainobjectivesofthiscourseareto:						
1. Enablestudenttobecomeasuccessfulentrepreneur/managerinthefuture						
2. Impartknowledgeontheorganisationofthevariousdepartmentsofagarmentunit						
3. GainabetterunderstandingofagarmentunitwithSWOCanalysis						
ExpectedCourseOutcomes:						
Onthesuccessfulcompletionofthecourse,studentwillbeableto:						
CO1	Interpretthemeaningsofentrepreneurandmanagement					K2
CO2	Understandtheorganizationalstructureofagarmentunit					K2
CO3	Planfactorydesignandlayouttosuittheproductionneeds					K4
CO4	Preparecostsheetforafinishedproduct					K3
CO5	SetupagarmentunitbyperformingSWOCanalysis					K4
K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6- Create						
Unit:1						
EntrepreneurandManagement					15hours	
Entrepreneur-Meaning,definitionandtypes,needforEntrepreneurs,qualities,androleofEntrepreneur. Management-Definition.Managementasaprocess- Planning,organizing,Directing,ControllingandCoOrdination.DifferencebetweenEntrepreneur andManager.						
Unit:2						
OrganizationalStructureofaGarmentUnit					15hours	
Organizationalstructureofagarmentunit,Designdepartment,Financedepartment,purchasing department,Productiondepartment,organizingdifferentsections- hierarchyPersonnelinvolvedinallthedevelopments,natureofthejob.RoleofHRinapparelindustry.						
Unit:3						
FactoryDesignandLayout					15hours	
FactoryDesignandlayout- importanceoffactorydesign,factorsaffectingfactorydesign,Typesofbuildings(singleandMulti- Storey)-advantagesandlimitation.Factorylayout- Process,ProductandcombinedlayoutDesignrequirement-requirementsrelatingtohealth,safetyand welfare.Balancing-Stepstobalancetheline-Initialbalance-Balancecontrol-Efficiency-Cyclechecks- Balancingtools.						
Unit:4						
PrinciplesofCosting					15hours	
Principlesofcosting- requirementofgoodcostingsystem.Costestimationofyarnandfabric.Costestimationfordyeing,printing, embroidery,cutting,stitching,checking,packing,finalinspection,shippingandinsurance.						
Unit:5						
GarmentExportUnit					15hours	

Performance of Indian Garment Export and Institutions supporting Entrepreneurs, SWOC Analysis Setting up of garment unit for export market, Export Document, Export finance-Payment method, Export shipping. Institutions supporting entrepreneurs-DIC, NSIC, SISI, SIPCOT, TII, KVIC, CODISSIA, Commercial banks-SBI.

		Total Lecture hours	75 hours
Text Books			
1	Introduction to Clothing Production Management, AJ Chester 2nd Edition, Wrenbury Associates Ltd, 1998.		
2	The technology of clothing manufacture, Harold Carr and Barbara Latham, Blackwell Science, 1994.		
3	Apparel Costing, A functional Approach- Krishnakumar. M, Abishek Publications, Chandigarh, 2011.		
Reference Books			
1	Principles of Management, Dinakar Pagare, Sultan Chand and Sons, Delhi, 2018.		
2	Entrepreneurship Development in India, Dr. C. B. Gupta, Dr. N. P. Srinivasan, Sultan Chand and Sons Delhi, 1997.		
3	Industrial Engineering in Apparel Production, V. Ramesh Babu, Woodhead Publishing India in Textiles, 2012.		
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]			
1	https://lonelyentrepreneur.com/types-of-entrepreneurs/		
2	https://textilecourse.blogspot.com/2019/02/plant-layout-textile-garment-industry.html		
3	https://www.fibre2fashion.com/industry-article/7665/the-organisation-of-a-clothing-factory		
4	https://apparelcosting.blogspot.com/2017/05/apparel-costing-principles.html		
5	https://www.onlineclothingstudy.com/2019/04/how-to-start-garment-business.html		

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	M	S	M	S	L
CO2	M	S	S	S	S	M
CO3	S	M	M	M	M	M
CO4	M	S	S	S	S	S
CO5	L	M	L	S	M	L

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

Coursecode	TECHNICAL TEXTILES			L	T	P	C
Elective-VII(b)				5	-	-	3
Pre-requisite	BasicknowledgeaboutBusiness						
CourseObjectives:							
Themainobjectivesofthiscourseareto:							
<ol style="list-style-type: none"> 1. Acquireknowledgeintechnicaltextile. 2. Developanunderstandingoffiberintechnicaltextile. 3. Becomefamiliarwithvarioususageoftechnicaltextile. 							
ExpectedCourseOutcomes:							
Onthesuccessfulcompletionofthecourse,studentwillbeableto:							
CO1	Understandthecharacteristicsoftechnicaltextilesitstypes					K2	
CO2	DiscoverthepropertiesofTechnicaltextilesanditstypes					K3	
CO3	Interprettheareaofapplicationsoftypesoftechnicaltextiles					K3	
CO4	Recognizetheunderlyingconcepts					K1	
CO5	Applytheconceptsincreationofgarments					K3	
K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6- Create							
Unit:1	IntroductiontoTechnicalTextiles					15hours	
IntroductiontoTechnicaltextiles,definitionandscopeoftechnicaltextiles,developmentsinfibres-naturalfibres,polyamide,polyester,viscoserayon,polyolefin,highperformancefibres andglassandceramics,Applicationoftechnicaltextiles.							
Unit:2	FunctionalApparelsandMedicalTextiles					15hours	
Functionalapparels:Designand engineering of functionalclothing, requirements,smartcharacteristics: structural, aesthetic, functional, comfort and fit for clothing. Medicaltextile:Materialsusedandclassification.Requirementsandapplication.TextilesforHealthcareand Hygieneproducts.							
Unit:3	ProtectiveWear					15hours	
Selectionofmaterials,requirementsandfunctionsofflameresistant,chemical,mechanical, electricalandradiationprotectiveclothing.							
Unit:4	SportsWear					15hours	
Sportswearrequirements-functionalfibers,yarnsandfabricssuitableforsportswear-Sweatmanagementforsportsapplication.FootwearClothing: Fabricrequirements,finishingadaptability.							
Unit:5	SmartandIntelligentTextiles					15hours	
Smartfibers:Nanofibers,Photoadaptivefibers,Chameleonfibers,Conductivefibers-propertiesand applications in textiles and apparels. Phase change materials: properties andapplications.Shapememorypolymersandproperties.Stimulisensitiveintelligenttextiles.							
					TotalLecturehours	75hours	
TextBooks							
1	HandbookofTechnicalTextiles,A.RHorrock,S.CAnand,WoodheadPublishing,2000.						
2	HandbookofIndustrialTextiles,S.Adanur,TechnomicPublication,2001.						

3	Textiles for Sportswear, Roshan Shishoo, Woodhead Publishing, 2015.
Reference Books	
1	Design and manufacture of Textile Composites, M. CKanna, Hearle O'Hear, Textile process, Textile Institute, Manchester, 2004.
2	Handbook of Medical Textiles, V Bartels, Woodhead Publishing, 2011.
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://nptel.ac.in/courses/116/102/116102057/
2	https://www.classcentral.com/course/swayam-testing-of-functional-and-technical-textiles-13051

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	M	S	S	S	M	M
CO2	S	S	S	S	M	M
CO3	M	S	S	S	S	S
CO4	S	S	S	S	M	M
CO5	S	S	S	S	M	M

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

Coursecode		ENTREPRENUERSHIPDEVELOPMENT	L	T	P	C	
Elective-VII(c)			5	-	-	3	
Pre-requisite	Basicknowledgeonentrepreneur						
CourseObjectives:							
Themainobjectivesofthiscourseareto:							
1. Impartknowledgeonthesignificantfunctionsofentrepreneurship.							
2. Informtheprospectiveentrepreneurstostepsincreatingaprojectproposal.							
3. Giveanoverviewoftheinstitutionthatsupportentrepreneurship.							
ExpectedCourseOutcomes:							
Onthesuccessfulcompletionofthecourse,studentwillbeableto:							
CO1	Understandthetypesandfunctionsofentrepreneurship				K2		
CO2	Identify,selectaproductandprepareaprojectproposal				K1		
CO3	Distinguishtheinstitutionsthatssupportsentrepreneurs				K2		
CO4	Discoverplansavailableinthesupportinginstitutions				K3		
CO5	Analysetheavailableincentivesandsubsidies				K4		
K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6- Create							
Unit:1	ContextofEntrepreneurship				15hours		
ConceptofEntrepreneurship:DefinitionNatureandCharacteristicsofEntrepreneurship- FunctionsandtypesofEntrepreneurshipphasesofEDP.DevelopmentofwomenEntrepreneurandruralEntr epreneur–includingself-employmentofwomencouncilscheme							
Unit:2	Project				15hours		
TheStart–upprocess,ProjectIdentification–Selectionoftheproduct–Projectformulationevaluation – FeasibilityAnalysis,ProjectReport							
Unit:3	InstitutionssupportingtoEntrepreneur				15hours		
InstitutionssupportingtoEntrepreneur– DIC,SIDO,NSIC,SISI,SSIC,SIDCO,ITCOT,IIC,KUICandcommercialBank							
Unit:4	InstitutionalfinancetoEntrepreneur				15hours		
InstitutionalfinancetoEntrepreneur–IFCI,SFC,IDBI,ICICI,THIC,SIDCS,LICandGIC,UTI,SIPCOT– SIDBIandcommercialBankventurecapitals.							
Unit:5	Incentivesandsubsidies				15hours		
Incentives and subsidies – Subsidised Services – Subsidy for market. Transport – seedcapitalassistance–TaxationbenefittoSSI –roleof Entrepreneurinexportpromotionandimportsubstitution							
		TotalLecturehours				75hours	
TextBooks							
1	EntrepreneurialDevelopment,C.B.GuptaandN.P.Srinivasan,SultanChand&Sons,2020.						
2	FundamentalsofEntrepreneurshipandSmallBusiness,RenuAroraandS.KI.Sood,KalyaniPu blishers,2015.						
3	EntrepreneurialDevelopment,S.S.Khanka,S.ChandPublishing,2006						

ReferenceBooks	
1	EntrepreneurialDevelopment,P.Saravanel&P.Sumathi,MarghamPublications,2020.
2	EntrepreneurialDevelopment,S.G.Bhanushali,HimalayaPublishingHouse,1987
RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]	
1	https://lonelyentrepreneur.com/types-of-entrepreneurs/
2	http://www.simplynotes.in/e-notes/mbabba/entrepreneurship-development/

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	S	S	M	M	S
CO2	M	M	L	M	S	M
CO3	S	M	M	S	M	M
CO4	S	S	M	M	M	M
CO5	M	L	S	S	S	L

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

ELECTIVE- VIII

Coursecode	SUSTAINABLE PRODUCT DEVELOPMENT PRACTICAL		L	T	P	C
Elective–VIII(a)			-	-	5	3
Pre-requisite	Skills in converting waste materials into Useful articles					
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 1. Create an awareness of the pollution created by the fabric waste 2. Motivate the students to create products from waste 3. Apply the concept of 3R 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Appraise the enormity of waste fabric available around				K4	
CO2	Develop Interest in making home textiles, garments or accessories with waste				K6	
CO3	Modify waste into a creative product				K6	
CO4	Take part in 'thinking out of the box' concept				K4	
CO5	Design creative and unique products that can be used in their home				K6	
K1-Remember; K2- Understand; K3-Apply; K4-Analyze; K5 -Evaluate; K6- Create						
1.Collection of Wastes 15 hours						
<p>The student can apply the concept of 3R-Reduce, reuse and recycle and create any products. Yarns unravelled from old dresses may be used to enrich a product. If waste fabric is used Waste fabrics are collected. The waste fabrics include used clothes, torn garments, fabric waste bits from the tailoring shops or dressmaker's room. The fabrics are washed with soap and hot water and sterilized.</p> <p>Create any 10 products</p>						
2.Accessories 15 hours						
<ul style="list-style-type: none"> • Hand Bags • Cell Phone Pouches • Belts 						
3.Ornaments 15 hours						
<ul style="list-style-type: none"> • Set of Earrings • Pair of Bangles • Hair Band 						
4.Create the Following Products 15 hours						
<ul style="list-style-type: none"> • Puppets • Dress for Dolls • Note Book Covers 						
5.Home Textile Products 15 hours						
<ul style="list-style-type: none"> • Table Cloth • Door Mats • Plate Mats • Pillow Covers And <p>yothers (For your creativity)</p>						
Total Lecture hours					75 hours	

TextBook(s)	
1	CoolFabricProjects:CreativeWaystoUpcycleYourTrashIntoTreasure,PamScheunemann,ABDO, 2012
2	UpcyclingCrafts,KittyMoore,VentureInk,2019
3	QuiltsfromtheHouseofTulaPink,20FabricProjectstoMake,UseandLove,TulaPink,KrausePublications,2012
ReferenceBooks	
1	HalfYard(TM)Bags&Purses:Sew12beautifulbagsand12matchingpurses,DebbieShore,SearchPress,Limited,2018
2	CraftyLittleThingstoSew:20CleverSewingProjectsUsingScraps&FatQuarters-CarolineFairbanksandCritchfield,LarkBooks,2017
RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]	
1	https://www.diyncrafts.com/15703/repurpose/100-brilliant-projects-to-upcycle-leftover-fabric-scraps
2	https://feltmagnet.com/crafts/Fabric-Scraps-Crafts-Ideas
3	https://in.pinterest.com/fabricdotcom/scrap-fabric-projects/
4	https://www.youtube.com/watch?v=YscLxJrZ_WI
5	https://sewing.com/sewing-projects-fabric-scraps/

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	L	S	S	L	M	S
CO2	S	S	S	M	L	S
CO3	S	M	S	M	M	S
CO4	S	S	S	M	M	S
CO5	S	M	S	M	M	S

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

Coursecode	COUTURE DESIGN DEVELOPMENT PRACTICAL		L	T	P	C
Elective–VIII(b)			-	-	5	3
Pre-requisite	Basicknowledgeoncomputers					
CourseObjectives:						
Themainobjectivesofthiscourseareto:						
1. To impart knowledge of the development of traditional, party and bridal wears with reference to origin, production, material, colour and motifs.						
2. To acquire construction and finishing techniques of couture collections.						
3. To familiarize students with the growing trends in bridal wear market.						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Analyze the contemporary design in terms of styled details, colors, fabric and trims				K4	
CO2	Create modifications in silhouette and components to come up with a new concept in bridal wear segments				K6	
CO3	Apply print designs, patterns, art inspirations and textures to the couture garments.				K3	
CO4	Understand the appropriate textile materials for the development of traditional, party and bridal collection				K2	
CO5	Create a design according to market requirements and latest trends				K6	
K1-Remember; K2- Understand; K3-Apply; K4-Analyze; K5 -Evaluate; K6- Create						
Design Development for traditional, party wear and bridal wear segments.					20hours	
PART A						
<ul style="list-style-type: none"> • Recent print research • Repeated pattern and types • Texture variations 						
PART B (Sketches only)					25hours	
<ul style="list-style-type: none"> • Silhouette modifications • Study on various garment component modifications • Application of cut-make-trim for the new modern trends 						
PART C (3 designs in each category)					30hours	
<ul style="list-style-type: none"> • Study on the wedding dress - Across countries. Design garments based on their culture. • Fashion design for the plus size. Sketch akurtasalwar / Long skirt and top / Gown for Indian plus size women. • Design a red carpet – couture segments garments with high end trims and accessories. 						
Total Lecture hours					75hours	
Text Books						
1	Couture Sewing Techniques 19 th Edition, Claire B. Schaeffe, Taunton Press, US, 2001.					
2	The Dress Making: The Handbook of Couture Sewing Techniques. Essential step-by-step Techniques for professional results – 21 st edition, Lynda Maynard, Interweave Press, US, 2010.					
3	Couture Bridal wear: Pattern Layout and Design, Margot Arendse, Brassey's, US, 2000.					
Reference Books						

1	TheMetricPatternCuttingforWomen’sWear– 5 th Edition, WinifredAldrich,BlackWellPublishers,Australia,2008.
2	CreativeClothingConstruction,Bane,A.,McGraw-HillBook,NewYork,1966.
RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]	
1	https://www.careeraddict.com/become-wedding-dress-designer

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	S	S	S	M	S
CO2	S	M	M	S	S	S
CO3	S	S	S	S	M	S
CO4	S	S	M	S	M	S
CO5	M	S	M	S	M	S

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

Coursecode	TEXTILE TESTING PRACTICAL		L	T	P	C
Elective–VIII(c)			-	-	5	3
Pre-requisite	KnowledgeaboutqualityParameters of textilefiber,yarnandfabric					
CourseObjectives:						
Themainobjectivesofthiscourseareto:						
<ol style="list-style-type: none"> 1. Helpsstudentstounderstandthefundamentalsoftextiletesting. 2. Understandandpracticethevarioustestingproceduresfromfibertogarments. 3. Understandandpracticetohandlevarious textiletestingequipment 						
ExpectedCourseOutcomes:						
Onthesuccessfulcompletionofthecourse,studentwillbeableto:						
CO1	Understandtohandlethedifferenttextiletestingequipmentsandmaintenances				K2	
CO2	UnderstandthedomainKnowledgetooperatethetextiletestingequipment				K3	
CO3	Evaluatethequalityoffiberandyarnandrecordthefindings				K5	
CO4	Evaluatethequalityoffabricandrecordthefindings				K5	
CO5	Evaluatethequalityofgarmentandrecordthefindings				K5	
K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6– Create						
Testthegivensampleforthe followingproperties						75hours
<ol style="list-style-type: none"> 1. Determinationofleastrength&CSPusingleastrengthtester. 2. AnalysisofBlendcompositionofgivenfabrics. 3. Determinationofthicknessoffabricusingfabricthicknessgauge. 4. DeterminationofCRAoffabricusingcreaserecoverytester. 5. DeterminationofFabricPillingUsingICIPillBox 6. DeterminationofFabricBurstingStrength. 7. Determinationofcolorfastnessofgivensampletowashing 8. Determinationofcolorfastnessofgivensampletorubbingbyusingcrockmeter 9. Determinationofcolorfastnessofgivensampletoperspirationbyusingperspirometer 10. Determinationofdimensionalstability%ofagivenfabric/garmenttowashing. 						
TotalLecturehours					75hours	
TextBook(s)						
1	GeneralPrinciplesofTesting,BureauofIndianStandards,NewlookPublications,2018.					
2	AATCCTextileTestingMaterialsEducationalResources,AATCCPublications,Atlanta,2019.					
3	PrinciplesofTextileTesting,J.E.Booth,CBSPublishers&DistributorsPvtLtd,2018.					
ReferenceBooks						
1	TestingandQualityManagement,V.K,Kothari,IAFLPublications,1999					
2	Textiles-Yarns,Fabrics,andGeneralTestMethods(AnnualbookofASTM Standardsvolume0701),ASTMIntl,1999.					
RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]						
1	http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827					
2	https://www.textilesphere.com/2020/04/colour-fastness-in-textile-testing.html					
3	https://textilelearner.net/features-working-principle-of-crockmeter/					

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	S	S	M	S	S
CO2	M	M	M	S	S	M
CO3	S	M	M	M	M	S
CO4	S	S	S	M	S	S
CO5	M	S	S	S	S	M

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