



**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

<b>LEARNING OUTCOMES-BASED CURRICULUM FRAMEWORK GUIDELINES BASED REGULATIONS FOR UNDERGRADUATE PROGRAMME</b>	
<b>Programme:</b>	<b>B.Sc., Costume Design And Fashion Technology</b>
<b>Programme Code:</b>	
<b>Duration:</b>	<b>3 Years (UG)</b>
<b>Programme Outcomes:</b>	<p><b>PO1: Disciplinary knowledge:</b> Capable of demonstrating comprehensive knowledge and understanding of one or more disciplines that form a part of an undergraduate Programme of study</p> <p><b>PO2: Communication Skills:</b> 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><b>PO3: Critical thinking:</b> 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><b>PO4: Problem solving: Capacity</b> 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><b>PO5: Analytical reasoning:</b> 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><b>PO6: Research-related skills:</b> 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><b>PO7: Cooperation/Team work:</b> 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><b>PO8: Scientific reasoning:</b> 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><b>PO9: Reflective thinking:</b> Critical sensibility to lived experiences, with self-awareness and reflexivity of both self and society.</p> <p><b>PO10 Information/digital literacy:</b> 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><b>PO 11 Self-directed learning:</b> Ability to work independently, identify appropriate resources required for a project, and manage a project through to completion.</p> <p><b>PO 12 Multicultural competence:</b> 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><b>PO 13: Moral and ethical awareness/reasoning:</b> 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><b>PO 14: Leadership readiness/qualities:</b> 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><b>PO15: Lifelong learning:</b> 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><b>Programme Specific Outcomes:</b></p>	<p>On successful completion of Bachelor of Costume Design And Fashion Technology programme, the students should be able to:</p> <p><b>PSO1: Disciplinary Knowledge:</b> Understand the fundamental principles, concepts, and theories related to physics and computer science. Also, exhibit proficiency in performing experiments in the laboratory.</p> <p><b>PSO2: Critical Thinking:</b> 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><b>PSO3: Problem Solving:</b> 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><b>PSO4: Analytical &amp; Scientific Reasoning:</b> Apply scientific methods, collect and analyze data, test hypotheses, evaluate evidence, apply statistical techniques and</p>

	<p>use computational models.</p> <p><b>PSO5: Research related skills:</b> Formulate research questions, conduct literature reviews, design and execute research studies, communicate research findings and collaborate in research projects.</p> <p><b>PSO6: Self-directed &amp; Lifelong Learning:</b> 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:**

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

		althsectoretc.areintroduced with hands-on-training.
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IV	ElectivePapers	<ul style="list-style-type: none"> <li>➤ Exposuretoindustryouldsstudentsintosolutionproviders</li> <li>➤ GeneratesIndustryready graduates</li> <li>➤ Employmentopportunitiesenhanced</li> </ul>
V Semester	Electivepapers	<ul style="list-style-type: none"> <li>➤ Self-learning isenhanced</li> <li>➤ Applicationoftheconceptto realsituationisconceivabledresulting intangibleoutcome</li> </ul>
VI Semester	Electivepapers	<ul style="list-style-type: none"> <li>➤ Enriches the studybeyond thecourse.</li> <li>➤ Developingaresearchframework and presenting their independent and intellectual ideas effectively.</li> </ul>
<b>ExtraCredits: ForAdvancedLearners/Honorsdegree</b>		<ul style="list-style-type: none"> <li>➤ Tocatertotheneedsofpeerlearners/research aspirants</li> </ul>
<b>SkillsacquiredfromtheCourses</b>		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				
	<b>23</b>	<b>32</b>		<b>23</b>	<b>30</b>		<b>24</b>	<b>32</b>		<b>23</b>	<b>32</b>		<b>26</b>	<b>30</b>		<b>21</b>	<b>30</b>
<b>Total - 140 Credits</b>																	

## 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
		<b>23</b>	<b>32</b>

### 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
		<b>23</b>	<b>32</b>

### 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
		<b>24</b>	<b>32</b>

### 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
		<b>23</b>	<b>32</b>

### Third Year

**Semester-V**

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

**Semester-VI**

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

**METHOD OF EVALUATION:**

<b>Continuous Internal Assessment</b>	<b>End Semester Examination</b>	<b>Total</b>
25	75	100

PART	TITLE OF THE COURSE	CRED IT	HOURS/ EEK		Maximum Marks		
			Theory	Practical	CIA	ESE	Total
<b>Semester-III</b>							
3.1 Part-1	Tamil or other Languages	3	6	-			
3.2 Part-2	English III	3	6	-			
3.3 Core Course V	Core Course V- Fabric Structure and Design	5	5	-			
3.4 Core Course VI	Core Course VI Garment Construction- Children's wear Practical	5	-	5			
3.5 Elective III Generic/ Discipline Specific	Elective-III Generic/Discipline Specific a. Home Textiles Practical b. Fashion Photography Practical c. Ornaments and Accessory making Practical	3	-	5			
3.6 Skill Enhancement Course 4, (Entrepreneurial Skill)	Skill Enhancement course 4 (Entrepreneurial skill)-Business startup	1	1	-			
3.7 Skill Enhancement Course 5	Skill Enhancement course 5- Fabric Structure and Design Practical	2	-	2			
3.8 E.V.S.	Environmental Studies	2	2	-			
<b>Total</b>		<b>24</b>	<b>20</b>	<b>12</b>			
<b>Semester-IV</b>							
4.1 Part-1	Tamil or other Languages	3	6	-			
4.2 Part-2	English IV	3	6	-			
4.3 Core Course VII Core Industry Module	Core Course VII - Industry module - Industrial Garment Machineries	5	5	-			
4.4 Core Course VIII	Core Course - VIII - Textile Wet Processing	5	5	-			
4.5 Elective IV Generic/ Discipline Specific	Elective - IV Generic/Discipline Specific a. Draping Practical b. Design process and product development Practical c. Pattern Making for Knits practical	3	-	6			
4.6 Skill Enhancement Course 6	Skill Enhancement Course 6 - Textile Dyeing and Printing Practical	2	-	2			
4.7 Skill Enhancement Course 7	Skill Enhancement Course 7 - Computer Aided Design I Practical	2	-	2			

		<b>Total</b>	<b>23</b>	<b>22</b>	<b>10</b>		
<b>Semester-V</b>							
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	-	5			
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	-	-			
<b>Total</b>		<b>26</b>	<b>16</b>	<b>14</b>			
<b>Semester VI</b>							
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	-			
<b>Total</b>		<b>21</b>	<b>19</b>	<b>11</b>			

**SEMESTER III**

Coursecode	FABRICSTRUCTURE ANDDESIGN			L	T	P	C
CoreV				5	-	-	5
Pre-requisite	Basicknowledgeaboutweaving.						
<b>CourseObjectives:</b>							
Themainobjectivesofthiscourseareto:							
<ol style="list-style-type: none"> <li>1. Tolearntheelementsofwovendesign</li> <li>2. Tostudythedifferenttypesofweave</li> <li>3. Tounderstandthedraftandliftingplan</li> </ol>							
<b>ExpectedCourseOutcomes:</b>							
Onthesuccessfulcompletionofthecourse,studentwillbeableto:							
CO1	Toclassifydifferenttypesofweaves					K2	
CO2	Todrawthedesign,draftandpegplanofweaves.					K6	
CO3	Todifferentiatebetweendifferenttypeofweaves					K4	
CO4	Toconstructdifferenttypesofweaves					K6	
CO5	Applythemethodsoffabricrepresentation					K3	
<b>K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6- Create</b>							
<b>Unit:1</b>							
<b>ElementsofWovenDesign</b>						<b>15hours</b>	
Elementsofwovendesign,Methodsoffabricrepresentation,Draftandliftingplan,Construction ofelementaryweaves–plain,warprib,weftrib,twill,modificationoftwills,satinandsateenweaves– their derivatives							
<b>Unit:2</b>							
<b>TypesofWeaves</b>						<b>15hours</b>	
OrdinaryandBrightenhoneycomb,itsmodification,Huckabackanditsmodifications,Crepeweaves, Mockleno							
<b>Unit:3</b>							
<b>FiguredFabrics</b>						<b>15hours</b>	
ExtrawarpandExtraweftfiguring–singleandtwocolours,planting,backedfabric,warbandweftbacked fabrics							
<b>Unit:4</b>							
<b>PileFabrics</b>						<b>15hours</b>	
Pilefabric–Formation ofpile–weftpile–plainback,twillback–length,density andfastnessofpile– corduroyweftplush. Warppile–Terrypile,withtheadofwires,facetofacewarppile							
<b>Unit:5</b>							
<b>DoubleCloth</b>						<b>75hours</b>	
Doublecloth–Classification,Selfstitched–Facetoback,Backtoface,Both.Centrestitched– warbandweft.Interchangingdoublecloth.							
<b>TotalLecturehours</b>						<b>60hours</b>	
<b>TextBooks</b>							
1	GokarneshanN,FabricStructureandDesign,NewAgeInternationalPublishersLtd,NewDelhi,2004.						
2	GrosichkliZNewness,Watson’sAdvancedTextileDesign,ButterWorths,London,1989.						
<b>ReferenceBooks</b>							



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

<b>Cos</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>
<b>CO1</b>	M	S	M	S	S	S
<b>CO2</b>	M	S	L	S	S	S
<b>CO3</b>	M	S	M	S	S	S
<b>CO4</b>	L	S	M	S	S	S
<b>CO5</b>	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	Basicknowledgeingarmentconstruction					
<b>CourseObjectives:</b>						
Themainobjectivesofthiscourseareto:						
<ol style="list-style-type: none"> <li>1. Designgarmentsforchildren.</li> <li>2. Impartskillsinpatternrafting.</li> <li>3. Constructgarmentsbysewing.</li> </ol>						
<b>ExpectedCourseOutcomes:</b>						
Onthesuccessfulcompletionofthecourse,studentwillbeableto:						
CO1	Designgarmentsforchild				K6	
CO2	Developpatternsusingraftingmethod				K6	
CO3	Selectthenecessarytoolsneededforsewing				K6	
CO4	Constructgarmentsbysewing				K3	
CO5	Discovernewtechniquesinpatternmakingandgarmentconstruction				K4	
<b>K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6– Create</b>						
<b>1.Design,DraftandConstructtheFollowingGarmentsforaChild</b>						<b>75hours</b>
<ul style="list-style-type: none"> <li>• Bib</li> <li>• Panty</li> <li>• Jabla</li> <li>• Knicker</li> <li>• Babasuit</li> <li>• Alinefrock</li> <li>• Summerfrock</li> <li>• Midiandtop</li> <li>• Frock-Partywear</li> </ul>						
					<b>TotalLecturehours</b>	<b>75hours</b>
<b>TextBooks</b>						
1	PracticalClothingConstructing-PartIandII,MaryMathews,CosmicPress,Chennai,1986.					
2	ZarapkerSystemofCutting-Zarapker.Kltd.R,NavneetPublications,1994.					
<b>ReferenceBooks</b>						
1	CuttingandtailoringCourseGayatriVerma&KapilDev,ComputechPublications,2009.					
<b>RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]</b>						
1	<a href="http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827">http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827</a>					
2	<a href="https://www.youtube.com/watch?v=nI-ShbmnuVg">https://www.youtube.com/watch?v=nI-ShbmnuVg</a>					
3	<a href="https://www.youtube.com/watch?v=LuazkYL0J3A">https://www.youtube.com/watch?v=LuazkYL0J3A</a>					
4	<a href="https://www.youtube.com/watch?v=zLkNgkzx-wI">https://www.youtube.com/watch?v=zLkNgkzx-wI</a>					

<b>Cos</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>
<b>CO1</b>	S	M	S	S	M	M
<b>CO2</b>	S	M	S	S	M	M
<b>CO3</b>	S	M	S	S	M	M
<b>CO4</b>	S	M	S	S	M	M
<b>CO5</b>	S	M	S	S	M	M

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

Coursecode	BUSINESS STARTUP			L	T	P	C
<b>Skill Enhancement Course-4 (Entrepreneurial skill)</b>				1	-	-	1
<b>Pre-requisite</b>	<b>Basic knowledge about Business</b>						
<b>Course Objectives:</b>							
The main objectives of this course are to:							
<ol style="list-style-type: none"> <li>1. Impart skill in starting a business.</li> <li>2. Gain knowledge about business planning and evaluation.</li> <li>3. Be aware of IPR and copyright.</li> </ol>							
<b>Expected Course Outcomes:</b>							
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
<b>K1-Remember; K2- Understand; K3-Apply; K4-Analyze; K5 -Evaluate; K6- Create</b>							
<b>Unit:1</b>	<b>Business startup – An Introduction</b>						<b>3hours</b>
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.							
<b>Unit:2</b>	<b>Business Ideas and Opportunities</b>						<b>3hours</b>
Gathers 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.							
<b>Unit:3</b>	<b>Business Plan</b>						<b>3hours</b>
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.							
<b>Unit:4</b>	<b>Financial Status and Analysis</b>						<b>3hours</b>
Introduction to 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.							
<b>Unit:5</b>	<b>Intellectual Property Rights</b>						<b>3hours</b>
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.							
						<b>Total Lecture hours</b>	<b>15hours</b>

<b>TextBooks</b>	
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
<b>ReferenceBooks</b>	
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
<b>Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]</b>	
1	<a href="https://textilelearner.blogspot.com/2011/06/weaving-weaving-mechanism_643">https://textilelearner.blogspot.com/2011/06/weaving-weaving-mechanism_643</a>
2	<a href="https://textilelearner.blogspot.com/2012/07/basic-woven-fabric-structure-plain">https://textilelearner.blogspot.com/2012/07/basic-woven-fabric-structure-plain</a>
3	<a href="http://textilefashionstudy.com/category/fabric-manufacturing-technology-2">http://textilefashionstudy.com/category/fabric-manufacturing-technology-2</a>
4	<a href="http://www.warporweft.com/types-of-looms">http://www.warporweft.com/types-of-looms</a>

<b>Cos</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>
<b>CO1</b>	M	S	M	S	S	S
<b>CO2</b>	M	S	L	S	S	S
<b>CO3</b>	M	S	M	S	S	S
<b>CO4</b>	L	S	M	S	S	S
<b>CO5</b>	L	S	L	S	S	S

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

<b>Coursecode</b>	<b>FABRICSTRUCTUREANDDESIGNPRACTIC</b>		<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
<b>SkillEnhancement Course- 5</b>	<b>AL</b>		-	-	2	2
<b>Pre-requisite</b>	<b>Basicknowledgeaboutfabricstructure</b>					
<b>CourseObjectives:</b>						
Themainobjectivesofthiscourseareto:						
<ol style="list-style-type: none"> <li>1. Toidentifythedifferenttypesofweavesandknits</li> <li>2. Toanalysethefabricstructure</li> <li>3. Tounderstandthewovenfabricdesignandloopstructureofknittedfabric</li> </ol>						
<b>ExpectedCourseOutcomes:</b>						
Onthesuccessfulcompletionofthecourse,studentwillbeableto:						
CO1	Drawthedesign,draftandpegplanofweaves.				K3	
CO2	Understandtheweavingcomponents				K4	
CO3	Analyzethedesignaspectsintheweavingpattern				K2	
CO4	Identifyloopstructuresofknitssamples				K4	
CO5	Deductknittingsamplesbyunravelandgraphicrepresentation				K5	
<b>K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6- Create</b>						
<b>AnalysetheFollowingFabricStructures</b>						<b>20hours</b>
<ol style="list-style-type: none"> <li>1. Plainweaveanditsderivatives <ul style="list-style-type: none"> <li>• Warprib</li> <li>• Weftrib</li> </ul> </li> <li>2. TwillWeave <ul style="list-style-type: none"> <li>• Righthandtwill</li> <li>• Lefthandtwill</li> </ul> </li> <li>3. SatinandSateen</li> <li>4. HoneycombWeave</li> <li>5. HuckaBuckWeave</li> <li>6. Extrawarpfiguring</li> <li>7. Extraweftfiguring</li> </ol>						
<b>Identifyknittingsamplesbyunravelandgraphicrepresentation</b>						<b>10hours</b>
<ol style="list-style-type: none"> <li>1. Plainknit</li> <li>2. Ribknit(1x1and2x2)</li> <li>3. Pique</li> </ol>						
<b>TotalLecturehours</b>						<b>30hours</b>
<b>TextBooks</b>						
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					
<b>ReferenceBooks</b>						
1	CorbmanBP,Textiles–FibretoFabric,InternationalStudentsEdition,Mc.GrawHillbookCo, Singapore,1985.					

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

<b>Cos</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>
<b>CO1</b>	L	S	M	S	S	S
<b>CO2</b>	M	S	M	S	S	S
<b>CO3</b>	L	S	S	S	S	S
<b>CO4</b>	M	S	S	S	S	S
<b>CO5</b>	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						
<b>CourseObjectives:</b>							
Themainobjectivesofthiscourseareto:							
<ol style="list-style-type: none"> <li>1. Gainknowledgeoftheindustrialpracticesinallthestagesofgarmentmanufacturing.</li> <li>2. Familiarizewiththetechniquesandtechnologyadoptedinthegarmentindustry.</li> <li>3. Gainfamiliaritywiththefederalstandardsfstitchandseamclassification.</li> </ol>							
<b>ExpectedCourseOutcomes:</b>							
Onthesuccessfulcompletionofthecourse,studentwillbeableto:							
CO1	Understandthestitchingmechanism						K2
CO2	RelatetotheCuttingandspreadingmethodsinindustries						K1
CO3	Connecttotheindustrialmarkingandpressingmethods						K4
CO4	Analysethetypeofsewingmachinesanditsfunctions						K4
CO5	Classifystitchesandseamsaccordingtothefederalstandard						K2
<b>K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6– Create</b>							
<b>Unit:1</b>	<b>StitchingMechanism</b>						<b>15hours</b>
Stitchingmechanism- Needles,bobbinandbobbincase,bobbinwinding,loopsandloopSpreader,upperandlowerthreading,auxiliaryhooks,throatplates,takeups,tensiondiscs- upperandlowerthreadtension,stitchingauxiliaries,pressurefootanditstypes,Feedmechanisms-dropfeed,differentialfed,needlefeed,compoundfeed,unisonfeed,pullerfeed.							
<b>Unit:2</b>	<b>CuttingandSpreadingMethods</b>						<b>15hours</b>
Spreading - Typesofspreadand its quality,parts and functions ofspreadingequipment,spreadingmethods. Markingmethods,positioningmarkingtypesofmarkers,efficiencyofamarkerplan,requirements ofmarker planning							
<b>Unit:3</b>	<b>MarkingandPressingMethods</b>						<b>15hours</b>
Cuttingequipment– PartsandfunctionsofStraightknifecuttingmachine,rotarycuttingmachine,bandknifecutting machine,diecutters. Pressing–purpose,pressingequipment’sandmethods– iron,steampress,steamairfinisher,steamtunnel,specialtypes–pleating,permanent							
<b>Unit:4</b>	<b>SewingMachineries</b>						<b>15hours</b>
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							
<b>Unit:5</b>	<b>Packaging,SewingThreads,StitchesandSeams</b>						<b>15hours</b>

Garment Packaging – Types of package forms, Sewing threads – types, essential qualities of a sewing thread, Federal standards for stitch and stitch classification, Federal standards for seam and seam classification. Introduction to AI in Textile Industry	
	<b>Total Lecture hours</b>
	<b>75 hours</b>
<b>Text Books</b>	
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.
<b>Reference Books</b>	
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.
<b>Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]</b>	
1	<a href="https://clothingindustry.blogspot.com/2018/04/packaging-process-garment-industry.html">https://clothingindustry.blogspot.com/2018/04/packaging-process-garment-industry.html</a>
2	<a href="https://www.youtube.com/watch?v=palmFFnMT1E">https://www.youtube.com/watch?v=palmFFnMT1E</a>
3	<a href="https://www.youtube.com/watch?v=67K0RMJVB_U">https://www.youtube.com/watch?v=67K0RMJVB_U</a>
4	<a href="https://www.youtube.com/watch?v=HIBcn9Igirc">https://www.youtube.com/watch?v=HIBcn9Igirc</a>
5	<a href="https://www.youtube.com/watch?v=QOofEoJQyro">https://www.youtube.com/watch?v=QOofEoJQyro</a>

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

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

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						
<b>CourseObjectives:</b>							
Themainobjectivesofthiscourseareto:							
<ol style="list-style-type: none"> <li>1. Preparethefabricfordyeingandprinting.</li> <li>2. Dyethefabricusingsuitabledyes.</li> <li>3. Printthefabricswithdirectandresistprintingmethods.</li> </ol>							
<b>ExpectedCourseOutcomes:</b>							
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	
<b>K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6– Create</b>							
<b>1.PreparationofSamplesforProcessing</b>						<b>10hours</b>	
<ul style="list-style-type: none"> <li>• Desizing</li> <li>• Scouring</li> <li>• Mercerising</li> <li>• Bleaching</li> </ul>							
<b>2.DyetheGivenFabricUsingSuitableDye</b>						<b>10hours</b>	
<ul style="list-style-type: none"> <li>• DirectDye</li> <li>• BasicDye</li> <li>• AcidDyes</li> <li>• ReactiveDyes</li> <li>• VegetableDyes(anyone)</li> <li>• VatDye</li> </ul>							
<b>3.PrinttheFabricUsingSuitableDyes/Pigments</b>						<b>10hours</b>	
<ul style="list-style-type: none"> <li>• BlockPrinting–WoodenandVegetableBlocks</li> <li>• StencilPrinting</li> <li>• TieandDye(useanythreetyingmethods)</li> <li>• BatikPrinting</li> </ul>							
<b>TotalLecturehours</b>						<b>30hours</b>	
<b>TextBooks</b>							
1	AnIntroductiontoTextileFinishing,Marsh.J.T,ChapmanandhallLtd,London,1948.						
2	ShenaiV.A.,TechnologyofTextileProcessing,Vol.III,V,VI,VIISevakpublications,Bombay,1981.						
<b>ReferenceBooks</b>							
1	SimpletextiledyeingandPrinting,NoraProud,BatsfordPublisher,London,1974.						
2	ScienceandtechnologyofTextileDyeingandColouring,S.P.Mishra,NewAgeInternational(p)LtdPublishers,2016.						

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

<b>Cos</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>
<b>CO1</b>	M	M	S	S	S	M
<b>CO2</b>	M	S	M	S	S	S
<b>CO3</b>	L	M	S	M	M	S
<b>CO4</b>	M	M	S	S	M	S
<b>CO5</b>	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						
<b>Course Objectives:</b>							
The main objectives of this course are to:							
<ol style="list-style-type: none"> <li>1. Enable the student to design garment designs using computers.</li> <li>2. Try various colour combinations and textural effects.</li> <li>3. Create and manipulate fashion figures for various garment designs.</li> </ol>							
<b>Expected Course Outcomes:</b>							
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	
<b>K1-Remember; K2- Understand; K3-Apply; K4-Analyze; K5 -Evaluate; K6- Create</b>							
<b>1. Creating Small Designs/Motifs</b>						<b>9 hours</b>	
<ul style="list-style-type: none"> <li>• Designs for Handkerchief</li> <li>• Neckline Designs</li> <li>• Embroidery Designs</li> <li>• Chest Prints for T-shirts</li> </ul>							
<b>2. Create anyone Child garment design from the following list</b>						<b>7 hours</b>	
<ul style="list-style-type: none"> <li>• Jabla and Knicker</li> <li>• Baba Suit</li> <li>• Frock</li> </ul>							
<b>3. Create anyone Women garment design from the following list</b>						<b>7 hours</b>	
<ul style="list-style-type: none"> <li>• Gown/Maxi</li> <li>• Salwar Kameez</li> <li>• Midi and Tops</li> <li>• Lehngas</li> </ul>							
<b>4. Create anyone Men garment design from the following list</b>						<b>7 hours</b>	
<ul style="list-style-type: none"> <li>• SB Vest</li> <li>• T-Shirt with Burmuda</li> <li>• Shirt and Pant</li> <li>• Kurta Pyjama</li> </ul>							
<b>Total Lecture hours</b>						<b>30 hours</b>	
<b>Text Books</b>							
1	Fashion Design Drawing & Presentation, Ireland Patrick John, BT Batsford Ltd, 2006.						
2	Fashion Design Illustration: Children, Ireland Patrick John, BT Batsford Ltd, 2003.						
<b>Reference Books</b>							
1	Fashion Sketch Book, Bina Abling, Fair Child Publication, New York, 2006.						

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

<b>Cos</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>
<b>CO1</b>	M	S	S	M	M	M
<b>CO2</b>	M	S	M	S	S	S
<b>CO3</b>	S	M	L	M	M	M
<b>CO4</b>	S	S	S	L	M	L
<b>CO5</b>	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						
<b>CourseObjectives:</b>							
Themainobjectivesofthiscourseareto:							
1. ImpartknowledgeandunderstandingofthediverseandvaluabletraditionalIndiantextiles.							
2. AppreciatethevariousstylesoftraditionalIndiancostumes.							
3. ValuethebeautyandintricacyoftheIndianJewelleriesandembroideries.							
<b>ExpectedCourseOutcomes:</b>							
Onthesuccessfulcompletionofthecourse,studentwillbeableto:							
CO1	Discoverthebeginningandoriginofcostumes						K2
CO2	RecognizethedyedandprintedtextilesofIndia						K1
CO3	CompareandcontrastthevariouscostumesofIndia						K4
CO4	AppraisethejewellriesofIndia						K5
CO5	ValuethetraditionalembroideriesofIndia						K3
<b>K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6- Create</b>							
<b>Unit:1</b>	<b>OriginandGrowthofCostume</b>						<b>15hours</b>
BeginningandgrowthofCostume-Painting,CuttingandTattooing.Ancientcostumes–Indusvalleycivilization,Vedicperiod,Mauryaperiod,Mughalperiod.CostumesofIndia-preandpostindependenceera							
<b>Unit:2</b>	<b>DyedandPrintedTextilesofIndia</b>						<b>15hours</b>
StudyofdyledandprintedtextilesofIndia–Bhandhani,Patola,ikkat,kalamkari-inalltheabovetypes and techniques used. Study of woven textiles of India – Dacca Muslin, Banarasi/Chanderibrocades,Baluchar,HimrusandAmrus,Kashmirshawls,Pochampalli,silksareesofKancheepuram.							
<b>Unit:3</b>	<b>TraditionalCostumesofIndia</b>						<b>15hours</b>
TraditionalCostumeofdifferentStatesofIndia-TamilNadu,Kerala,AndhraPradesh,Karnataka,Assam,Orissa,WestBengal,Maharashtra,Rajasthan,UttarPradesh,JammuandKashmir,Gujarat.							
<b>Unit:4</b>	<b>IndianJewellery</b>						<b>15hours</b>
Indian Jewellery – Jewellries used in the period of Indus valley civilization, Mauryan period,thePallavaandCholaPeriod,SymbolicJewelleryofSouthIndia,Mughalperiod.TempleJewelleryofSouthIndia,Tribaljewellery							
<b>Unit:5</b>	<b>TraditionalEmbroideriesofIndia</b>						<b>15hours</b>
TraditionalembroideriesofIndia–Origin,Embroiderystitchesused–embroideryofKashmir,PhulkariofPunjab,Gujarat–KutchandKathiawar,embroideryofRajasthan,KasutiofKarnataka,ChickenworkofLucknow,KanthaofBengal.							
						<b>TotalLecturehours</b>	<b>75hours</b>

<b>TextBooks</b>	
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.
<b>ReferenceBooks</b>	
1	CostumesofIndia–DorrisFlyn,Oxford&IBHPublishingCo,Delhi,1971.
2	CostumesofIndiaandPakistan–DasS.N,DBTaraporevalaSonsandco,Bombay,1956.
<b>RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]</b>	
1	<a href="https://www.youtube.com/watch?v=7HXVXieq7pM">https://www.youtube.com/watch?v=7HXVXieq7pM</a>
2	<a href="https://www.craftsvilla.com/blog/famous-indian-embroidery-styles">https://www.craftsvilla.com/blog/famous-indian-embroidery-styles</a>
3	<a href="https://www.culturalindia.net/jewellery/types/meenakari.html">https://www.culturalindia.net/jewellery/types/meenakari.html</a>

<b>Cos</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>
<b>CO1</b>	M	M	M	L	M	S
<b>CO2</b>	M	S	M	M	M	S
<b>CO3</b>	M	S	L	L	L	S
<b>CO4</b>	L	M	M	M	L	S
<b>CO5</b>	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						
<b>CourseObjectives:</b>							
Themainobjectivesofthiscourseareto:							
<ol style="list-style-type: none"> <li>1. Tolearntheconceptsofgarmentqualitycontrol</li> <li>2. Tostudythedifferentqualitymanagementsystems</li> <li>3. Toknowaboutdifferentqualityprocess</li> </ol>							
<b>ExpectedCourseOutcomes:</b>							
Onthesuccessfulcompletionofthecourse,studentwillbeableto:							
CO1	Defineandestablishqualitystandards						K2
CO2	Describefunctionsofqualitycontrol						K1
CO3	Analyzeongarmentcostandcostcontrol						K4
CO4	Appraiseondifferentqualitymanagementsystems						K4
CO5	Evaluatethequalitybasedontheparameters						K5
<b>K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6- Create</b>							
<b>Unit:1</b>							
<b>QualityControlanditsStandards</b>						<b>15hours</b>	
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.							
<b>Unit:2</b>							
<b>FunctionsofProductionControl</b>						<b>15hours</b>	
Functionofproductioncontrol–Productionanalysis–Qualityspecifications–quantitativespecifications– Basicproductionsystems– wholegarment,departmentalwholegarment,subassemblysystemsandprogressivebundlesystems,Princi plesforchoosingaproductionsystem –Evaluatingproductionsystems							
<b>Unit:3</b>							
<b>FunctionsofCostControl</b>						<b>15hours</b>	
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.							
<b>Unit:4</b>							
<b>QualityManagement</b>						<b>15hours</b>	
Quality–EvolutionofQualitymanagement–Qualityfunctionandqualityplanning– BasicconceptsofTotalQualityManagement(TQM)–PrinciplesofTQM–QualityTrilogy– FourpillarsofTQM–PDCAcycle&PDSAcycle–Kaizanconcept–5“SPhilosophy–Qualitycircles.							
<b>Unit:5</b>							
<b>EnvironmentalManagementSystem</b>						<b>15hours</b>	
EnvironmentalManagementSystem(EMS)–Meaning&Definition–ElementsofEMS– BenefitsofEMS–EnvironmentalPolicies–ImplementationofISO14000– studyonothermanagementsystem:SA8000,OHSAS18000andWRAP.							

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

<b>Cos</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>
<b>CO1</b>	S	M	M	S	S	M
<b>CO2</b>	S	M	S	M	S	L
<b>CO3</b>	M	M	M	S	M	M
<b>CO4</b>	S	S	M	S	M	M
<b>CO5</b>	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.						
<b>CourseObjectives:</b>							
Themainobjectivesofthiscourseareto:							
<ol style="list-style-type: none"> <li>1. Designgarmentsforwomenandmen</li> <li>2. Impartskillsinpatternrafting</li> <li>3. Constructgarmentsbysewing</li> </ol>							
<b>ExpectedCourseOutcomes:</b>							
Onthesuccessfulcompletionofthecourse,studentwillbeableto:							
CO1	Designgarmentsforwomenandmen					K6	
CO2	Developpatternsforwomenandmenusingraftingmethod					K1	
CO3	Selectthenecessarytoolsneededforsewing					K2	
CO4	Constructgarmentsbysewing					K4	
CO5	Discovernewtechniquesinpatternmakingandgarmentconstruction					K5	
<b>K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6– Create</b>							
<b>1.Design,DraftandconstructthefollowinggarmentsforaWoman(Minimum4garments)</b>						<b>45hours</b>	
<ul style="list-style-type: none"> <li>• SareePetticoat</li> <li>• Salwar</li> <li>• Kameez</li> <li>• Wraparoundskirtandtops.</li> <li>• Nightie</li> <li>• Blouse</li> </ul>							
<b>2.Design, Draftand constructthefollowinggarmentsforaMan (Minimum3garments)</b>						<b>30hours</b>	
<ul style="list-style-type: none"> <li>• Bermuda</li> <li>• TShirt</li> <li>• NehruKurta</li> <li>• Pyjama</li> <li>• SlackShirt</li> <li>• Pant</li> </ul>							
<b>TotalLecturehours</b>						<b>75hours</b>	
<b>TextBooks</b>							
1	PracticalClothingConstructing-PartIandII,MaryMathews,CosmicPress,Chennai,1986.						
2	ZarapkerSystemofCutting-Zarapker.K.R,NavneetPublicationsltd,India,2011.						
<b>ReferenceBooks</b>							
1	Cuttingandsewingtheory,GayatriVerma,KapilDev,ComputechPublicationLtd,India,2019.						
2	Patterncuttingandmakingup,theprofessionalapproach,MartinM.ShobenandJanetP.Ward,RoutledgeTaylorandFrancisGroup,LondonandNewYork,Revisededition,2011.						
<b>RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]</b>							

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

<b>Cos</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>
<b>CO1</b>	S	S	M	S	M	L
<b>CO2</b>	S	S	L	M	L	L
<b>CO3</b>	S	L	S	S	M	M
<b>CO4</b>	S	M	M	S	M	M
<b>CO5</b>	M	M	S	S	M	L

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

Coursecode	PROJECT WITH VIVA - PORTFOLIO DEVELOPMENT			L	T	P	C
Core XV				-	-	6	4
Pre-requisite	Basic knowledge on garment designing						
<b>Course Objectives:</b>							
The main objectives of this course are to:							
<ol style="list-style-type: none"> <li>1. Create garment collection based on an inspiration/theme</li> <li>2. Search and find out exclusive fabrics and accessories for the garment collection</li> <li>3. Present the garment collection in the form of a portfolio album</li> </ol>							
<b>Expected Course Outcomes:</b>							
On the successful completion of the course, student will be able to:							
CO1	Design garment collection based on an inspiration/theme						K6
CO2	Develop various boards like theme board, mood board, storyboard, colour board, fabric swatch board, pattern board and flat pattern						K6
CO3	Select suitable fabrics and accessories for the garment collection						K5
CO4	Create a portfolio album						K6
CO5	Compile and present the portfolio effectively						K6
<b>K1-Remember; K2- Understand; K3-Apply; K4-Analyze; K5 -Evaluate; K6- Create</b>							
<b>Fashion Design Portfolio – An Introduction</b>							
A fashion design portfolio is a collection of samples put together by a fashion designer to show off his or her skills to a prospective employer or fashion school. A typical fashion design portfolio should include fashion illustrations, an inspiration or mood board with textile swatches, flat sketches manually or with computer.							
<b>Instructions to the Student</b>							
Every Student will be assigned a Guide and the student should report to the guide at least once in a week. The student should work on an inspiration and develop sketches. After the approval from the Guide, the fabrics must be purchased and converted into a garment. Minimum of 4 garments has to be created. The garment collection is then photographed on a live model. Portfolio (Manual/Digital) is created							
<b>Details of the Portfolio</b>							
The Portfolio must be created as an album/book/Magazine and should contain the following boards							
<ul style="list-style-type: none"> <li>• Customer Profile</li> <li>• Inspiration/Theme Board</li> <li>• Mood Board/Story Board</li> <li>• Colour board/Swatch Board</li> <li>• Accessory Board (optional)</li> <li>• Pattern Board</li> <li>• Flat Sketch/Fashion Illustrations</li> </ul>							
Photograph of all the Garment							
<b>Evaluation of the Project</b>							
The students should present the portfolio and the garments to the panel of examiners and answer the questions raised by the examiners							
<b>Total Lecture hours</b>						<b>90 hours</b>	



<b>RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]</b>	
1	<a href="http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827">http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827</a>
2	<a href="https://fashionandillustration.com/en/how-to-make-a-fashion-collection/">https://fashionandillustration.com/en/how-to-make-a-fashion-collection/</a>
	<a href="https://www.apparelsearch.com/fashion/designer/name/a/anna_sui/spring_fashions_anna_sui_fashion_designer_guide.htm">https://www.apparelsearch.com/fashion/designer/name/a/anna_sui/spring_fashions_anna_sui_fashion_designer_guide.htm</a>

<b>Cos</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>
<b>CO1</b>	S	S	S	M	S	S
<b>CO2</b>	M	M	M	S	S	M
<b>CO3</b>	S	M	M	M	M	S
<b>CO4</b>	S	S	S	M	S	S
<b>CO5</b>	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						
<b>CourseObjectives:</b>							
Themainobjectivesofthiscourseareto:							
<ol style="list-style-type: none"> <li>1. Gainabetterunderstandingofafashiondesigneratthenationalandinternationallevel</li> <li>2. Impartknowledgeonnewproductdevelopment,salespromotion,retailingandpricing</li> <li>3. Movetowardsasustainablefashion</li> </ol>							
<b>ExpectedCourseOutcomes:</b>							
Onthesuccessfulcompletionofthecourse,studentwillbeableto:							
CO1	Describethefactorsinfluencingfashionchanges						K3
CO2	Weighthecontributionsofthefashiondesignersnationallyandinternationally						K5
CO3	Understandthestepsinvolvedinnewproductdevelopmentandsalespromotion						K2
CO4	Analyzethesizeandfunctionsofretailingandpricing						K4
CO5	Evaluatetheenvironmentalpollutioncreatedbyfashionproductsandmove towardsustainablefashion						K5
<b>K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6- Create</b>							
<b>Unit:1</b>	<b>WorldofFashion-AnOverview</b>						<b>18hours</b>
Factorsinfluencingfashionchanges– AcceleratingandDeceleratingfactorsUnderstandingFashiondesigner–types– classicist,idealist,influenced,realist,thinkingpoet.Minimalists,VillageIndia,Studioline. WorldFashionCenters–Milan,Paris,LondonandNewYork							
<b>Unit:2</b>	<b>LegendaryFashionDesigners</b>						<b>18hours</b>
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.							
<b>Unit:3</b>	<b>FashionProductsandPromotion</b>						<b>18hours</b>
Thefashionindustryandnewproductdevelopment;productmixandrangeplanning.FashionandSeasons. FashionPromotion–FashionCommunication;FashionAdvertisingandPublicity;PersonalSelling –importanceandstepsinvolved;FashionShows–typesandstepsinvolvedinorganizing ashow;Salespromotionmethods/strategies							
<b>Unit:4</b>	<b>FashionRetailing</b>						<b>18hours</b>
FashionRetailing-Scopeandfunctions,TypesofStores,ChallengesforfashionretailinIndia,E-retailing– growthanddevelopment,Major players offashiongoodsonline. Pricingpoliciesandstrategiesforapparelproducts,FunctionsandfactorsInfluencingpricing,pricingstrategiesfornewproducts,methodsofsettingprices							
<b>Unit:5</b>	<b>SustainableFashion</b>						<b>18hours</b>
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	
	<b>Total Lecture hours</b>
	<b>90 hours</b>
<b>Text Books</b>	
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.
<b>Reference Books</b>	
1	Leslie Davis Burnset al., The Business of Fashion: Designing, Manufacturing and Marketing, 4th Edition, Bloomsbury Academic publisher, 2011
<b>Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]</b>	
1	<a href="https://247wallst.com/special-report/2018/10/01/the-30-most-influential-fashion-designers-of-all-time/8/">https://247wallst.com/special-report/2018/10/01/the-30-most-influential-fashion-designers-of-all-time/8/</a>
2	<a href="https://www.reviewsexp.com/blog/top-fashion-designers/">https://www.reviewsexp.com/blog/top-fashion-designers/</a>
3	<a href="https://en.wikipedia.org/wiki/Fashion_capital">https://en.wikipedia.org/wiki/Fashion_capital</a>
4	<a href="https://www.fibre2fashion.com/">https://www.fibre2fashion.com/</a>
5	<a href="http://www.technopak.com/Files/fashion-retail-scenario-in-india.pdf">http://www.technopak.com/Files/fashion-retail-scenario-in-india.pdf</a>
6	<a href="https://en.wikipedia.org/wiki/Sustainable_fashion">https://en.wikipedia.org/wiki/Sustainable_fashion</a>
7	<a href="https://fashionunited.uk/news/fashion/re-defining-sustainability-repair-recycle-reuse-and-reduce/2016052520528">https://fashionunited.uk/news/fashion/re-defining-sustainability-repair-recycle-reuse-and-reduce/2016052520528</a>
8	<a href="https://get-green-now.com/environmental-impact-fast-fashion/">https://get-green-now.com/environmental-impact-fast-fashion/</a>

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

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

<b>Cos</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>
<b>CO1</b>	L	S	S	S	M	L
<b>CO2</b>	L	S	S	S	M	M
<b>CO3</b>	S	S	S	S	S	S
<b>CO4</b>	S	S	S	S	M	M
<b>CO5</b>	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					
<b>CourseObjectives:</b>						
Themainobjectivesofthiscourseareto:						
<ol style="list-style-type: none"> <li>1. Createprofessionaldesignswithcomputers.</li> <li>2. Developgarmentdesignsbyusingvarioustoolsandcoloursinthedigitalsoftware.</li> <li>3. Applytheelements/principlesofdesignandcolourharmoniesinthegarmentdesigns.</li> </ol>						
<b>ExpectedCourseOutcomes:</b>						
Onthesuccessfulcompletionofthecourse,studentwillbeableto:						
CO1	Creategarmentdesignswithdifferentcolourharmoniesincomputers				K6	
CO2	Developgarmentdesignswithvariouselementsofdesignincomputers				K6	
CO3	Designgarmentsketchesfollowingtheprinciplesofdesignincomputers				K6	
CO4	Creategarmentdesignsforvariousseasonsincomputers				K6	
CO5	Draftandgradepatternsdigitally				K6	
<b>K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6- Create</b>						
<b>1.CreateGarmentDesignsfortheFollowingColourHarmonies</b>						<b>15hours</b>
<ul style="list-style-type: none"> <li>• Monochromaticcolourharmony</li> <li>• Analogouscolourharmony</li> <li>• Complementarycolourharmony</li> <li>• Doublecomplementarycolourharmony</li> <li>• SplitComplementarycolourharmony</li> <li>• Triadcolourharmony</li> <li>• Tetradcolourharmony</li> <li>• Neutralcolour</li> </ul>						
<b>2.CreateGarmentDesignsfortheFollowingElementsofDesign</b>						<b>10hours</b>
<ul style="list-style-type: none"> <li>• Line</li> <li>• Shape</li> <li>• Size</li> </ul>						
<b>3.CreateGarmentDesignsfortheFollowingPrinciplesofDesign</b>						<b>10hours</b>
<ul style="list-style-type: none"> <li>• Balance</li> <li>• Rhythm</li> <li>• Emphasis</li> <li>• Proportion</li> <li>• Harmony</li> </ul>						
<b>4.CreateGarmentDesignsfortheFollowingSeasons</b>						<b>10hours</b>
<ul style="list-style-type: none"> <li>• Summer</li> <li>• Winter</li> <li>• Spring</li> <li>• Autumn</li> </ul>						
<b>5.DraftandGradePatternsfortheFollowingGarments</b>						<b>15hours</b>
<ul style="list-style-type: none"> <li>• Bib</li> <li>• Jabla</li> <li>• Salwar</li> </ul>						

• T-Shirt	
<b>6. Create Garment Designs for the Following Occasions</b>	<b>15 hours</b>
<ul style="list-style-type: none"> <li>• Partywear</li> <li>• Casualwear</li> <li>• Wedding collection</li> <li>• Sportswear (any sports)</li> </ul>	
<b>Total Lecture hours</b>	
<b>75 hours</b>	
<b>Text Books</b>	
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.
<b>Reference Books</b>	
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
<b>Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]</b>	
1	<a href="https://www.youtube.com/watch?v=jTWtQNTJt_A">https://www.youtube.com/watch?v=jTWtQNTJt_A</a>
2	<a href="https://www.youtube.com/watch?v=iX7O4fNQijA">https://www.youtube.com/watch?v=iX7O4fNQijA</a>
3	<a href="https://www.youtube.com/watch?v=nWCNuSBc1Y0">https://www.youtube.com/watch?v=nWCNuSBc1Y0</a>
4	<a href="https://www.youtube.com/watch?v=x8BsIME4gi4">https://www.youtube.com/watch?v=x8BsIME4gi4</a>
5	<a href="https://www.youtube.com/watch?v=LMZPbT1msR0">https://www.youtube.com/watch?v=LMZPbT1msR0</a>

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



<b>Coursecode</b>		<b>COMMUNICATION AND WORK ETHICS FOR APPAREL INDUSTRY</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
<b>Professional Competency Skill Enhancement Course</b>			2	-	-	2
<b>Pre-requisite</b>		<b>Knowledge on work atmosphere and basic communication</b>				
<b>Course Objectives:</b>						
The main objectives of this course are to:						
1. Impart knowledge on communication.						
2. Incorporate skill in planning and scheduling work activities.						
3. Teach the work ethics in workplace.						
<b>Expected Course Outcomes:</b>						
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
<b>K1-Remember; K2- Understand; K3-Apply; K4-Analyze; K5 -Evaluate; K6- Create</b>						
<b>Unit:1</b>	<b>Communication</b>					<b>6hours</b>
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.						
<b>Unit:2</b>	<b>Business Correspondence</b>					<b>6hours</b>
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.						
<b>Unit:3</b>	<b>Maintaining Professionalism in Workplace</b>					<b>6hours</b>
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.						
<b>Unit:4</b>	<b>Workplace Harassment</b>					<b>6hours</b>

Workplaceharassment- Identifythedifferencebetweenacceptablebehaviorandunacceptablebehavior,defineworkplaceharassment -typesofharassment.		
strategiestoprotectselfanddealwithworkplaceharassment,Supportcolleaguesandassistincreatingaharassmentpolicy.		
<b>Unit:5</b>	<b>Planningandorganizingwork</b>	<b>6hours</b>
Plan and organize work - Set objectives and plan work activities, Plan and schedule workactivities,implementworkplans,Monitorworkactivities.Leadsmallteams-Motivateandbuildtheteam,facilitateteamdevelopmentandmonitorteameffectiveness.		
	<b>TotalLecturehours</b>	<b>30hours</b>
<b>TextBooks</b>		
1	GoodPracticeGuideProfessionalismatWorkbyRichardBrindley	
2	Integrity,Honesty,andTruthSeekingbyChristianB.Miller,RyanWest	
3	WorkplaceCommunicationbyLeenaMikkola,MaaritValo	
4	EffectiveCommunicationintheWorkplacebyDavidL.Lewis	
<b>ReferenceBooks</b>		
1	PracticalProblem-SolvingSkillsintheWorkplacebyJudithCombes Taylor,JudithCombesTaylorPh.D.,RebekahLashman,PamelaHelling	
2	Problem-SolvingandDecisionMakingbyJeffButterfield	
3	AsianPerspectivesonWorkplaceBullyingandHarassmentbyAvinaMendonca,ErnestoNoronha, PremillaD'Cruz	
4	BullyingandHarassmentintheWorkplacebyCaryCooper,DieterZapf,HelgeHoel,StaleEinarsen	
5	HowtoPlanandOrganizeWorkbyAmericanManagementAssociation	
<b>RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]</b>		
1	<a href="https://www.javatpoint.com/barriers-of-communication">https://www.javatpoint.com/barriers-of-communication</a>	
2	<a href="https://www.toppr.com/guides/business-communication-and-ethics/business-correspondence/meaning-and-importance-of-business-correspondence">https://www.toppr.com/guides/business-communication-and-ethics/business-correspondence/meaning-and-importance-of-business-correspondence</a>	
3	<a href="https://career.vt.edu/develop/professionalism.html">https://career.vt.edu/develop/professionalism.html</a>	
4	<a href="https://blog.vantagecircle.com/workplace-harassment/">https://blog.vantagecircle.com/workplace-harassment/</a>	

<b>Cos</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>
<b>CO1</b>	L	S	S	S	M	L
<b>CO2</b>	L	S	S	S	M	M
<b>CO3</b>	S	S	S	S	S	S
<b>CO4</b>	S	S	S	S	M	M
<b>CO5</b>	S	S	S	S	M	M

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

## **ELECTIVE- I**



## **ELECTIVE - III**

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

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

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



2	<a href="https://enviragallery.com/editing-fashion-photography-for-beginners/">https://enviragallery.com/editing-fashion-photography-for-beginners/</a>
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<b>Cos</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>
<b>CO1</b>	S	S	S	L	L	S
<b>CO2</b>	M	M	S	L	L	S
<b>CO3</b>	S	S	S	L	M	S
<b>CO4</b>	M	L	S	M	L	S
<b>CO5</b>	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
<b>CourseObjectives:</b>						
Themain objectivesofthiscourseareto:						
1. Tocreateanddevelopornamentsandaccessories.						
2. Todesignornamentsandaccessoriesforvariousoccasion.						
<b>ExpectedCourseOutcomes:</b>						
Onthesuccessfulcompletionofthecourse,student willbeableto:						
1	Developnewaccessorieswithfabrics					K6
2	Understand newtechniquesofcreatingornaments.					K2
3	Discovernew ideasofcreatingornamentsandaccessories.					K3
4	Createacompletesetofornamentsfor bridalandotherspecialdress					K6
5	Organizeitemsneed forcreatingaccessoriesandornamentsefficiently					K6
<b>K1-Remember;K2-Understand;K3-Apply;K4-Analyze;K5-Evaluate;K6–Create</b>						
<b>Create the Following Accessories with Fabric.</b>						<b>20hours</b>
<ul style="list-style-type: none"> <li>• Handbag/cellphonepouch</li> <li>• Slipperorshoe</li> <li>• Beltformenandwomen</li> <li>• MaskandGloves</li> </ul>						
<b>Create the following ornaments.</b>						<b>30hours</b>
<ul style="list-style-type: none"> <li>• Hairornaments</li> <li>• Earornaments</li> <li>• Neckornaments</li> <li>• Handornaments</li> <li>• Fingerornaments</li> <li>• Hipornaments</li> <li>• legsornaments</li> <li>• Headfascinator</li> </ul>						
<b>Create set of ornamentstosuitadress.</b>						<b>10hours</b>
<ul style="list-style-type: none"> <li>• Setofornamentsfor bridalwear/fashionshow/officewear/casualwear/dancecostumes.</li> </ul>						
<b>Record Notebook–</b>						
Fixphotographsoftheitemscreatedandexplainthedetailsofmaterialsusedandthethodofconstruction						
<b>TotalLecturehours</b>						<b>60hours</b>

<b>Text Books</b>	
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
<b>Reference Book</b>	
1	The Bag Making Bible: The Complete Creative Guide to Sewing Your Own Bags - Lisa Lam, Amy Butler, Published by David & Charles, 2010
<b>Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]</b>	
1	<a href="https://www.youtube.com/watch?v=pdwJZSUjfs">https://www.youtube.com/watch?v=pdwJZSUjfs</a>
2	<a href="https://www.youtube.com/watch?v=4jNCJm3j0ec">https://www.youtube.com/watch?v=4jNCJm3j0ec</a>
3	<a href="https://www.youtube.com/watch?v=RehISbeKeMo">https://www.youtube.com/watch?v=RehISbeKeMo</a>
4	<a href="https://www.youtube.com/watch?v=bpjpvxos200">https://www.youtube.com/watch?v=bpjpvxos200</a>
5	<a href="https://www.youtube.com/watch?v=7OTfnxojulM">https://www.youtube.com/watch?v=7OTfnxojulM</a>

<b>Mapping with Programme Outcomes</b>										
<b>Cos</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>P10</b>
<b>CO 1</b>	S	S	S	S	M	L	L	M	M	S
<b>CO 2</b>	S	S	S	S	M	M	L	M	L	S
<b>CO 3</b>	S	S	S	S	M	M	L	M	L	S
<b>CO 4</b>	S	S	S	S	S	S	S	S	M	S
<b>CO 5</b>	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					
<b>CourseObjectives:</b>						
Themainobjectivesofthiscourseareto:						
<ol style="list-style-type: none"> <li>1. Teachthebasicspreparethebodyformsandfabricsfordraping.</li> <li>2. Createpatternsforbasicbodiceandskirtsusingdrapingmethod.</li> <li>3. Createpatternsfor yokesandcollarsusingdrapingmethod.</li> </ol>						
<b>ExpectedCourseOutcomes:</b>						
Onthesuccessfulcompletionofthecourse,studentwillbeableto:						
CO1	Discoverandmarktheimportantstructurallinesinadummyform				K3	
CO2	Analysethefabric,straigtenthefabricendsandremovethecreases				K4	
CO3	Createdrapedpatternsforbasicbodiceblocksandskirt				K6	
CO4	Createdrapedpatternsfortypesofyokes				K6	
CO5	Createdrapedpatternsfortypesofcollars				K6	
<b>K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6– Create</b>						
<b>1.PreparationofBodyForms</b>					<b>8hours</b>	
<ul style="list-style-type: none"> <li>• MarktheChestLinewithStyleTape</li> <li>• MarktheEmpire/UnderChestLinewithStyleTape</li> <li>• MarktheWaistlinewithStyleTape</li> <li>• MarktheHipLinewithStyleTape</li> </ul>						
<b>2.PreparationofFabric</b>					<b>8hours</b>	
<ul style="list-style-type: none"> <li>• Removecreasesbyironingthefabric.</li> <li>• Straigtenthefabric</li> </ul>						
<b>3.DrapetheFollowingPatterns</b>					<b>9hours</b>	
<ul style="list-style-type: none"> <li>• DrapingofBodiceFront</li> <li>• DrapingofBodiceBack</li> <li>• DrapingofSkirtwithfulness</li> </ul>						
<b>4.DrapetheFollowingYokes</b>					<b>10hours</b>	
<ul style="list-style-type: none"> <li>• SimpleYoke</li> <li>• YokewithFullnesswithintheYokeShirtYoke</li> <li>• MidriffYoke</li> </ul>						
<b>5.DrapetheFollowingCollars</b>					<b>10hours</b>	
<ul style="list-style-type: none"> <li>• PeterPanCollar</li> <li>• MandarinCollar/ShirtCollar</li> <li>• ShawlCollar/ConvertibleCollar</li> </ul>						
<b>TotalLecturehours</b>					<b>45hours</b>	
<b>TextBooks</b>						
1	DrapingforApparelDesign,3rdEdition–HelenJosephanandArmstrong,BloomsburyAcademic, 2013					
2	TheArtofFashionDraping,ConnieAmadedandCrawford,BloomsburyAcademic,2018					

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

<b>Cos</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>
<b>CO1</b>	S	S	L	S	S	M
<b>CO2</b>	S	S	L	S	S	M
<b>CO3</b>	S	S	L	S	S	M
<b>CO4</b>	S	S	L	S	S	M
<b>CO5</b>	S	S	L	S	S	M

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

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

<b>Cos</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>
<b>CO1</b>	S	S	S	L	L	S

<b>CO2</b>	M	M	S	L	L	S
<b>CO3</b>	S	S	S	L	M	S
<b>CO4</b>	M	L	S	M	L	S
<b>CO5</b>	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					
<b>CourseObjectives:</b>						
Themainobjectivesofthiscourseareto:						
<ol style="list-style-type: none"> <li>1. Trainthestudentsinpreparingpatternsforvariousstyles.</li> <li>2. Enablethestudentstogradethepreparedpatternforvarioussizes.</li> </ol>						
<b>ExpectedCourseOutcomes:</b>						
Onthesuccessfulcompletionofthecourse,studentwillbeableto:						
CO1	Understandthemeasurementchartandspecificationsandgainknowledgeaboutallowancesatvariouspoints				K2	
CO2	ApplytheknowledgeanddraftthepatternmanuallyaswellasusingCADsoftware				K2	
CO3	CreatepatternanygivenmeasurementmanuallyaswellasusingCADsoftware				K3	
CO4	GradethepatternforanysizefrombasicsizemanuallyaswellasusingCADsoftware				K5	
CO5	Calculatethemakerefficiencyandapplywaystoreducewastage				K5	
<b>K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6– Create</b>						
<b>Draftandgradepatternsforthefollowing garments</b>					<b>45hours</b>	
<ol style="list-style-type: none"> <li>1. Kid’sWear–Romper</li> <li>2. Kid’sWear– ALinefrock</li> <li>3. Children’sSuitsandPyjama</li> <li>4. LadiesSkirt</li> <li>5. Women’sNightwear</li> <li>6. Brief</li> <li>7. Men’sBasicTShirt</li> <li>8. RaglanwithPocket</li> <li>9. Men’sPoloTShirt</li> <li>10. Men’sTrouser</li> <li>11. Men’sT-Shirtwithhood</li> <li>12. Men’sInnerGarment– VestsRN/RNS</li> </ol>						
					<b>TotalLecturehours</b>	
					<b>45hours</b>	
<b>TextBooks</b>						
1	Professionalpatternmakingfordesigners–women’swearmen’scasualwear,JackHandford, FairchildPublications,2003					
2	PatterncuttingforclothingusingCAD,Lectra&Modaris,M.Stott,WoodheadPublishing,2012					
<b>ReferenceBooks</b>						
1	PatterncuttingforclothingusingCAD,Lectra&Modaris,M.Stott,WoodheadPublishing,2012					
<b>RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]</b>						
1	<a href="https://www.textileschool.com/293/pattern-making">https://www.textileschool.com/293/pattern-making</a>					
2	<a href="https://www.thecreativecurator.com/pattern-making">https://www.thecreativecurator.com/pattern-making</a>					

<b>Cos</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>
<b>CO1</b>	S	M	M	M	M	L
<b>CO2</b>	S	M	M	M	M	L
<b>CO3</b>	S	M	M	M	M	L
<b>CO4</b>	S	M	M	M	M	L
<b>CO5</b>	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					
<b>CourseObjectives:</b>						
Themainobjectivesofthiscourseareto:						
<ol style="list-style-type: none"> <li>1. Identifynaturaldyesandpigments.</li> <li>2. Movingtowardssustainability.</li> <li>3. Enjoythenaturearoundus.</li> </ol>						
<b>ExpectedCourseOutcomes:</b>						
Onthesuccessfulcompletionofthecourse,studentwillbeableto:						
CO1	Understandthetypesofflowersandleavesintheneighborhood				K2	
CO2	Analysethecoloursthatcanbecreatedfromflowersandleaves				K4	
CO3	Dyethefabricwithnaturalcolors				K6	
CO4	Createprintswithflowers,leavesandrut				K6	
CO5	Creategarmentdesignswithecodyesandprints				K6	
<b>K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6– Create</b>						
<b>1.Creategarment/hometextilewithanaturaldyederivedfromthefollowing</b>					<b>30hours</b>	
<ul style="list-style-type: none"> <li>• Flower(2types)</li> <li>• Leaf(2types)</li> <li>• Fruits/Vegetables(Donotuseediblepartsonlywaste)</li> </ul>						
<b>2.Creategarment/hometextilewithEcoPrintsderivedfromthefollowing</b>					<b>30hours</b>	
<ul style="list-style-type: none"> <li>• Flower</li> <li>• Leaf</li> <li>• Fruits/Vegetables(Donotuseediblepartsonlywaste)</li> <li>• Rust</li> </ul>						
<b>TotalLecturehours</b>					<b>60hours</b>	
<b>TextBooks</b>						
1	EcoPrintingforBeginners:GuideToEcoPrinting,Steps,Tips,EcoPrintingMethodsAnd More,Brett Ethan,2022					
<b>ReferenceBooks</b>						
1	Eco Printing 101: Beginners Guide To Eco Printing, Basics, Steps, Tips And Many More,ConnorJace, 2022					
<b>RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]</b>						
1	<a href="https://mochni.com/eco-prints-learn-the-process-of-all-natural-eco-printing/">https://mochni.com/eco-prints-learn-the-process-of-all-natural-eco-printing/</a>					
2	<a href="https://www.fiberartsy.com/eco-printing-fabric/">https://www.fiberartsy.com/eco-printing-fabric/</a>					
3	<a href="https://krex.k-state.edu/bitstream/handle/2097/9118/Haar+Eco+Prints+2011+KSU+Sustainability.pdf;jsessionid=673BEA425E2BE6E776178A462C74D5DF?sequence=1">https://krex.k-state.edu/bitstream/handle/2097/9118/Haar+Eco+Prints+2011+KSU+Sustainability.pdf;jsessionid=673BEA425E2BE6E776178A462C74D5DF?sequence=1</a>					
4	<a href="https://naturalfabricdyeing.com/wp-content/uploads/2017/08/All-Eco-Printing-Techniques.pdf">https://naturalfabricdyeing.com/wp-content/uploads/2017/08/All-Eco-Printing-Techniques.pdf</a>					

<b>Cos</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>
<b>CO1</b>	M	M	S	S	S	M
<b>CO2</b>	M	S	M	S	S	S
<b>CO3</b>	L	M	S	M	M	S
<b>CO4</b>	M	M	S	S	M	S
<b>CO5</b>	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					
<b>Course Objectives:</b>						
The main objectives of this course are to:						
<ol style="list-style-type: none"> <li>1. Analyze the weft knitted structures to determine the stitch density, loop length, tightness factor, and to determine the cam order, needle order requirements.</li> <li>2. Analyze the jacquard structures to determine the yarn requirements, and to determine the cam setting details.</li> <li>3. Analyze the woven structures to determine the EPI, PPI, yarn count, yarn crimp &amp; Cover factor, and to determine drafting order and peg planning</li> </ol>						
<b>Expected Course Outcomes:</b>						
On the successful completion of the course, student will be able to:						
CO1	Analyze and identify the type of fabric structure of knitted Fabrics				K4	
CO2	Evaluate the machine requirements for producing knitted fabric structures				K5	
CO3	Understand single jersey knit structure and its derivatives				K4	
CO4	Understand double jersey knit structure and its derivatives				K5	
CO5	Understand Auto stripe and Jacquard knit structures				K6	
<b>K1-Remember; K2- Understand; K3-Apply; K4-Analyze; K5 -Evaluate; K6- Create</b>						
<b>Analyze the given knitted fabric sample</b>					<b>30 hours</b>	
<ol style="list-style-type: none"> <li>1. Single jersey and its derivative – 5 samples</li> <li>2. Double jersey and its derivatives - 5 samples</li> <li>3. Auto stripe and Jacquard designs – 2 samples</li> </ol>						
<b>Instructions for Analysis</b>					<b>30 hours</b>	
<ol style="list-style-type: none"> <li>a) Course and Wale Density</li> <li>b) Loop length</li> <li>c) Areal Density (GSM)</li> <li>d) Tightness Factor</li> <li>e) Technical graph</li> <li>f) Cam order</li> <li>g) Needle order</li> </ol>						
					<b>Total Lecture hours</b>	
					<b>60 hours</b>	
<b>Text Books</b>						
1	Fabric Structure and Design, N. Gokarneshan, New Age International Publishers, 2008					
2	Knitting Technology, Ajgaonkar D.B, Universal Publishing Corporation, 1998					
<b>Reference Books</b>						
1	Knitting Technology Second Edition, David Spencer, Wood Head Publishing Ltd. England 1989					
2	Flat Knitting, Samuel Raz, Meisenbach Bamberg, 1993					
3	Principles of Weaving, R. Marks, A. T. C. Robinson, The Textile Institute, Manchester, 1976					

<b>RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]</b>	
1	<a href="https://www.textileschool.com/360/types-of-fabric-weaving-loom">https://www.textileschool.com/360/types-of-fabric-weaving-loom</a>
2	<a href="https://textilelearner.blogspot.com/2013/08/woven-fabric-analysis-analysis-of-woven.html">https://textilelearner.blogspot.com/2013/08/woven-fabric-analysis-analysis-of-woven.html</a>
3	<a href="https://www.textileflowchart.com/2014/12/process-flow-chart-of-weaving">https://www.textileflowchart.com/2014/12/process-flow-chart-of-weaving</a>

<b>Cos</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>
<b>CO1</b>	S	S	M	L	L	S
<b>CO2</b>	S	S	M	L	L	S
<b>CO3</b>	S	S	M	L	L	S
<b>CO4</b>	S	S	M	L	L	S
<b>CO5</b>	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					
<b>CourseObjectives:</b>						
Themainobjectivesofthiscourseareto:						
<ol style="list-style-type: none"> <li>1. Knowtheusageofknittedfabrics.</li> <li>2. Createinnovatedesignsinknittedfabrics.</li> <li>3. Learnversatileapplicationofknittedfabrics</li> </ol>						
<b>ExpectedCourseOutcomes:</b>						
Onthesuccessfulcompletionofthecourse,studentwillbeableto:						
CO1	Rememberthequalitiesofknittedfabrics				K1	
CO2	Understandthepropertiesofknittedfabrics				K2	
CO3	Applyknittedfabricsininnovativeareas				K3	
CO4	Analyzetheornamentationmethodsinknittedfabrics				K4	
CO5	Evaluatetheusageofknittedfabricsasahometextilematerial				K5	
<b>K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6- Create</b>						
<b>GarmentConstruction</b>						
<b>60hours</b>						
Preparingatrendreportbasedonmarketstudy,fieldresearch,brandanalysisand interview.Trendprediction for newproduct development						
<ol style="list-style-type: none"> <li>1. ApplicationofknitfabricforIndianethnicproducts</li> <li>2. Creatingcontemporaryartworks</li> <li>3. Surfaceornamentationonknitfabric.</li> <li>4. Applicationofwesterninspirationforhighendknits</li> <li>5. Designandconstructwearableartwithknittedfabric.</li> <li>6. Createhometextileproductsoutofknitwastes.</li> <li>7. Drapeethnicwearusingknitfabric.</li> <li>8. Sketchandconstructintimatewear/Creatingschooluniformwithknitfabric.</li> </ol>						
EvaluationbyViva-voce						
					<b>TotalLecturehours</b>	<b>60hours</b>
<b>TextBook(s)</b>						
1	DesigningforKnitwear,DeborahNewton,TheTauntonPress,NewTownCT1998.					
<b>ReferenceBooks</b>						
1	KnitwearFashionDesign,MaiteLafuente,PromopressPublishers,Spain,2017.					
<b>RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]</b>						
1	<a href="https://style2designer.com/pattern-cutting-cad-cam/cutting-sewing-techniques/mens-shirt-drafting-sewing-tutorial/">https://style2designer.com/pattern-cutting-cad-cam/cutting-sewing-techniques/mens-shirt-drafting-sewing-tutorial/</a>					

Cos	PO1	PO2	PO3	PO4	PO5	PO6
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<b>CO1</b>	M	S	S	S	L	M
<b>CO2</b>	M	S	S	S	L	M
<b>CO3</b>	M	S	S	S	L	M
<b>CO4</b>	M	S	S	S	L	M
<b>CO5</b>	M	S	S	S	L	M

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

## **ELECTIVE- VI**

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

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		
		<b>Total Lecture hours</b>
		<b>60 hours</b>
<b>Text Books</b>		
1	Fashion Marketing, Mike Easesy, 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	
<b>Reference Books</b>		
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	
<b>Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]</b>		
1	<a href="https://www.iknockfashion.com/need-of-trend-forecasting/">https://www.iknockfashion.com/need-of-trend-forecasting/</a>	
2	<a href="http://www.createafashionbrand.com/the-5-basics-of-trend-prediction/">http://www.createafashionbrand.com/the-5-basics-of-trend-prediction/</a>	
3	<a href="https://www.fibre2fashion.com/industry-article/7054/decoding-the-process-of-trend-forecasting-in-fashion">https://www.fibre2fashion.com/industry-article/7054/decoding-the-process-of-trend-forecasting-in-fashion</a>	
4	<a href="https://textilelearner.blogspot.com/2013/10/role-of-merchandiser-in-apparel-industry.html">https://textilelearner.blogspot.com/2013/10/role-of-merchandiser-in-apparel-industry.html</a>	
5	<a href="https://clothingindustry.blogspot.com/2017/12/merchandiser-merchandising-garment.html">https://clothingindustry.blogspot.com/2017/12/merchandiser-merchandising-garment.html</a>	
6	<a href="https://blog.hubspot.com/marketing/what-is-digital-marketing">https://blog.hubspot.com/marketing/what-is-digital-marketing</a>	

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

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

<b>Cos</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>
<b>CO1</b>	S	M	S	S	S	M
<b>CO2</b>	M	M	S	S	M	S
<b>CO3</b>	M	L	M	M	S	S
<b>CO4</b>	L	M	S	S	S	M
<b>CO5</b>	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					
<b>CourseObjectives:</b>						
Themainobjectivesofthiscourseareto:						
1. GetfamiliarizethestudentswiththeconceptsandstrategiesinvolvedinBrandingforeffectiveBrandBuilding.						
2. IdentifythevariablesthatdrivethesuccessofBrands.						
3. DevelopandimplementwinningBrandStrategiesinanarrayofcompetitivecontexts.						
<b>ExpectedCourseOutcomes:</b>						
Onthesuccessfulcompletionofthecourse,studentwillbeableto:						
CO1	UnderstandconceptsandstrategiesinvolvedinBrandingforeffectiveBrandBuilding.					K2
CO2	Learnaboutthebrandpositioningstrategies					K3
CO3	ListoutthevariousBrandappraisalmethods					K3
CO4	LearndevelopandimplementwinningBrandStrategiesinanarrayofcompetitivecontexts					K2
CO5	LearnaboutthevariablesthatdrivethesuccessofBrands					K3
<b>K1-Remember;K2- Understand;K3-Apply; K4-Analyze;K5 -Evaluate;K6- Create</b>						
<b>Unit:1</b>						
<b>SignificanceofBranding</b>					<b>12hours</b>	
Brand-Definition,Evolution,functions,brandsignificance;branding- typesandstrategiesinternationalapparelbrands- identificationofperspectivesandchallengestobuildbrand- IndiangarmentbrandsandprospectsofIndianbrands						
<b>Unit:2</b>						
<b>BrandPositioning</b>					<b>12hours</b>	
ImportanceofBrandingPositioning-Basicbrandingconcepts- BrandImage,BrandIdentity,BrandEquityandBrandPersonality- MeaningandDefinition,Types,Elements;Brand Ambassadors- CelebrityBranding;BrandLoyalty;ProductVsCorporateBranding:MajorBrandingdecisions. positioningstrategiesofinternationalgarmentretailers						
<b>Unit:3</b>						
<b>BrandAppraisal</b>					<b>12hours</b>	
Brandappraisal-Definitionandmethods- exploration,market,customer,competitionanalysis,reasoningofbrandsimportanceandmethodsinvolve d-laddering,emotionalandrational,Brandmapping-circle,prismandtriangle						
<b>Unit:4</b>						
<b>BrandRepositioning</b>					<b>12hours</b>	
BrandIdentityandExtension:Brandidentityandarticulation-name,colour,design,logoandsymbols, brand service advertising and cross-cultural influence; brand extension - need andtypes;AdvantagesandDisadvantages;labellingandlicensingofapparelproducts- types,licenseagreement,andinternationalpropertyrights;needfordevelopingbrandnamesandlabelsfor apparelmanufacturedandexportedfromIndia						
<b>Unit:5</b>						
<b>BrandMeasurement</b>					<b>12hours</b>	

Brand measurement-definition, need and methods – audit, track, brand over time – managing brand image-need, concepts of management, forces affecting brand and maintenance of brand, Study on brands and brand management of Indian Garment	
<b>Total Lecture hours</b>	
<b>60 hours</b>	
<b>Text Books</b>	
1	Brand Management: Texts and Cases, Niraj. Kumar, Himalaya Publishing House, 2015
<b>Reference Books</b>	
1	Brand Management, Harsh V Verma, Excel books, 2010
2	Brand Management Text and Cases, Mathur U.C., Macmillan India Ltd. 2006
<b>Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]</b>	
1	<a href="https://www.tutorialspoint.com/brand_management">https://www.tutorialspoint.com/brand_management</a>
2	<a href="https://www.managementstudyguide.com/brand-management.htm">https://www.managementstudyguide.com/brand-management.htm</a>

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

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.		
		<b>Total Lecture hours</b>
		<b>75 hours</b>
<b>Text Books</b>		
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.	
<b>Reference Books</b>		
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, Wood Head Publishing India in Textiles, 2012.	
<b>Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]</b>		
1	<a href="https://lonelyentrepreneur.com/types-of-entrepreneurs/">https://lonelyentrepreneur.com/types-of-entrepreneurs/</a>	
2	<a href="https://textilecourse.blogspot.com/2019/02/plant-layout-textile-garment-industry.html">https://textilecourse.blogspot.com/2019/02/plant-layout-textile-garment-industry.html</a>	
3	<a href="https://www.fibre2fashion.com/industry-article/7665/the-organisation-of-a-clothing-factory">https://www.fibre2fashion.com/industry-article/7665/the-organisation-of-a-clothing-factory</a>	
4	<a href="https://apparelcosting.blogspot.com/2017/05/apparel-costing-principles.html">https://apparelcosting.blogspot.com/2017/05/apparel-costing-principles.html</a>	
5	<a href="https://www.onlineclothingstudy.com/2019/04/how-to-start-garment-business.html">https://www.onlineclothingstudy.com/2019/04/how-to-start-garment-business.html</a>	

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

3	Textiles for Sportswear, Roshan Shishoo, Woodhead Publishing, 2015.
<b>Reference Books</b>	
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.
<b>Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]</b>	
1	<a href="https://nptel.ac.in/courses/116/102/116102057/">https://nptel.ac.in/courses/116/102/116102057/</a>
2	<a href="https://www.classcentral.com/course/swayam-testing-of-functional-and-technical-textiles-13051">https://www.classcentral.com/course/swayam-testing-of-functional-and-technical-textiles-13051</a>

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

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

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

<b>Cos</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>
<b>CO1</b>	S	S	S	M	M	S
<b>CO2</b>	M	M	L	M	S	M
<b>CO3</b>	S	M	M	S	M	M
<b>CO4</b>	S	S	M	M	M	M
<b>CO5</b>	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					
<b>Course Objectives:</b>						
The main objectives of this course are to:						
<ol style="list-style-type: none"> <li>1. Create an awareness of the pollution created by the fabric waste</li> <li>2. Motivate the students to create products from waste</li> <li>3. Apply the concept of 3R</li> </ol>						
<b>Expected Course Outcomes:</b>						
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	
<b>K1-Remember; K2- Understand; K3-Apply; K4-Analyze; K5 -Evaluate; K6- Create</b>						
<b>1.Collection of Wastes 15 hours</b>						
<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>						
<b>2.Accessories 15 hours</b>						
<ul style="list-style-type: none"> <li>• Hand Bags</li> <li>• Cell Phone Pouches</li> <li>• Belts</li> </ul>						
<b>3.Ornaments 15 hours</b>						
<ul style="list-style-type: none"> <li>• Set of Earrings</li> <li>• Pair of Bangles</li> <li>• Hair Band</li> </ul>						
<b>4.Create the Following Products 15 hours</b>						
<ul style="list-style-type: none"> <li>• Puppets</li> <li>• Dress for Dolls</li> <li>• Note Book Covers</li> </ul>						
<b>5.Home Textile Products 15 hours</b>						
<ul style="list-style-type: none"> <li>• Table Cloth</li> <li>• Door Mats</li> <li>• Plate Mats</li> <li>• Pillow Covers And other (For your creativity)</li> </ul>						
<b>Total Lecture hours</b>					<b>75 hours</b>	

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

<b>Cos</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>
<b>CO1</b>	L	S	S	L	M	S
<b>CO2</b>	S	S	S	M	L	S
<b>CO3</b>	S	M	S	M	M	S
<b>CO4</b>	S	S	S	M	M	S
<b>CO5</b>	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					
<b>CourseObjectives:</b>						
Themainobjectivesofthiscourseareto:						
<ol style="list-style-type: none"> <li>To impart knowledge of the development of traditional, party and bridal wears with reference to origin, production, material, colour and motifs.</li> <li>To acquire construction and finishing techniques of couture collections.</li> <li>To familiarize students with the growing trends in bridal wear market.</li> </ol>						
<b>Expected Course Outcomes:</b>						
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	
<b>K1-Remember; K2- Understand; K3-Apply; K4-Analyze; K5 -Evaluate; K6- Create</b>						
<b>Design Development for traditional, party wear and bridal wear segments.</b>					<b>20 hours</b>	
<b>PART A</b>						
<ul style="list-style-type: none"> <li>Recent print research</li> <li>Repeated pattern and types</li> <li>Texture variations</li> </ul>						
<b>PART B (Sketches only)</b>					<b>25 hours</b>	
<ul style="list-style-type: none"> <li>Silhouette modifications</li> <li>Study on various garment component modifications</li> <li>Application of cut-make-trim for the new modern trends</li> </ul>						
<b>PART C (3 designs in each category)</b>					<b>30 hours</b>	
<ul style="list-style-type: none"> <li>Study on the wedding dress - Across countries. Design garments based on their culture.</li> <li>Fashion design for the plus size. Sketch akurtasalwar / Long skirt and top / Gown for Indian plus size women.</li> <li>Design a red carpet – couture segments garments with high end trims and accessories.</li> </ul>						
<b>Total Lecture hours</b>					<b>75 hours</b>	
<b>Text Books</b>						
1	Couture Sewing Techniques 19 <sup>th</sup> 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 <sup>st</sup> edition, Lynda Maynard, Interweave Press, US, 2010.					
3	Couture Bridal wear: Pattern Layout and Design, Margot Arendse, Brassey's, US, 2000.					
<b>Reference Books</b>						

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

<b>Cos</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>
<b>CO1</b>	S	S	S	S	M	S
<b>CO2</b>	S	M	M	S	S	S
<b>CO3</b>	S	S	S	S	M	S
<b>CO4</b>	S	S	M	S	M	S
<b>CO5</b>	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	Knowledge about quality Parameters of textile fiber, yarn and fabric					
<b>Course Objectives:</b>						
The main objectives of this course are to:						
<ol style="list-style-type: none"> <li>1. Helps student to understand the fundamentals of textile testing.</li> <li>2. Understand and practice the various testing procedures from fiber to garments.</li> <li>3. Understand and practice to handle various textile testing equipment</li> </ol>						
<b>Expected Course Outcomes:</b>						
On the successful completion of the course, student will be able to:						
CO1	Understand to handle the different textile testing equipments and maintenances				K2	
CO2	Understand the domain Knowledge to operate the textile testing equipment				K3	
CO3	Evaluate the quality of fiber and yarn and record the findings				K5	
CO4	Evaluate the quality of fabric and record the findings				K5	
CO5	Evaluate the quality of garment and record the findings				K5	
<b>K1-Remember; K2- Understand; K3-Apply; K4-Analyze; K5 -Evaluate; K6– Create</b>						
<b>Test the given sample for the following properties</b>						<b>75hours</b>
<ol style="list-style-type: none"> <li>1. Determination of least strength &amp; CSP using least strength tester.</li> <li>2. Analysis of Blend composition of given fabrics.</li> <li>3. Determination of thickness of fabric using fabric thickness gauge.</li> <li>4. Determination of CRA of fabric using creaser recovery tester.</li> <li>5. Determination of Fabric Pilling Using ICIPill Box</li> <li>6. Determination of Fabric Bursting Strength.</li> <li>7. Determination of color fastness of given sample to washing</li> <li>8. Determination of color fastness of given sample to rubbing by using crockmeter</li> <li>9. Determination of color fastness of given sample to perspiration by using perspirometer</li> <li>10. Determination of dimensional stability % of given fabric/garment to washing.</li> </ol>						
					<b>Total Lecture hours</b>	<b>75hours</b>
<b>Text Book(s)</b>						
1	General Principles of Testing, Bureau of Indian Standards, Newlook Publications, 2018.					
2	AATCC Textile Testing Materials Educational Resources, AATCC Publications, Atlanta, 2019.					
3	Principles of Textile Testing, J.E. Booth, CBS Publishers & Distributors Pvt Ltd, 2018.					
<b>Reference Books</b>						
1	Testing and Quality Management, V.K, Kothari, IAFL Publications, 1999					
2	Textiles- Yarns, Fabrics, and General Test Methods (Annual book of ASTM Standards volume 0701), ASTM Intl, 1999.					
<b>Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]</b>						
1	<a href="http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827">http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827</a>					
2	<a href="https://www.textilesphere.com/2020/04/colour-fastness-in-textile-testing.html">https://www.textilesphere.com/2020/04/colour-fastness-in-textile-testing.html</a>					
3	<a href="https://textilelearner.net/features-working-principle-of-crockmeter/">https://textilelearner.net/features-working-principle-of-crockmeter/</a>					

<b>Cos</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>
<b>CO1</b>	S	S	S	M	S	S
<b>CO2</b>	M	M	M	S	S	M
<b>CO3</b>	S	M	M	M	M	S
<b>CO4</b>	S	S	S	M	S	S
<b>CO5</b>	M	S	S	S	S	M

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