MOTHER TERESA WOMEN'S UNIVERSITY KODAIKANAL – 624 102

DEPARTMENT OF HOMESCIENCE

M.Sc. TEXTILES AND CLOTHING

Curriculum Framework, Syllabus, and Regulations

(Based on TANSCHE Syllabus under Choice Based Credit System - CBCS)

(For the candidates to be admitted from the Academic Year 2023-2024)

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Mother Teresa Women's University, Kodaikanal Department of Home Science M.Sc. Textiles and Clothing

1. About the Department

The Primary Purpose of the Home Science Department is to provide opportunities for students to pursue a quality education in Home Science. Importance is placed on providing opportunities within the curricula for development of enhanced skills in critical thinking, communication, leadership and computer literacy. The Department of Home Science also seeks to provide students opportunities for growth beyond the classroom through a wide range of extracurricular activities, programmes and services through the maintenance of environment, cultural and intellectual diversity. The Courses offered under the Department of Home Science prevails in all three Research and Extension centres such as Madurai, Chennai and Coimbatore seeking opportunities for developing Academic Excellence, the students have more scope to get the exposure for research, projects, internship, industrial visit, and placement.

2. Programme Educational Objectives (PEOs)

PEO1: To provide experience in advance textile fabrication techniques

PEO2: To enable the learners to apply environment friendly techniques in textile production and finishing

PEO3: To motivate the learners to apply knowledge in textile testing and quality control methods.

PEO4: To instill knowledge to introduce sustainable practices in textile and apparel industry

PEO5: To cultivate entrepreneurial skills in textile and fashion domains

3. Programme Outcomes (PO)

On completion of M.Sc. Textiles and Clothing Programme, students will be able to PO1- Have complete knowledge in the field of Textiles and Clothing

PO2- Apply their professional knowledge and their research ideas for developing innovative fashion trends and creative products.

PO3-Acquire dexterity for self-development and competency

PO4- Understand current scenario of fashion and apparel design and adapt themselves to the changes in global fashion and commercial market.

PO5- Understand business relations and apply technical and computer knowledge, statistical analytical skills, soft skills, confidence, ethics and moral values.

PO6- Get qualified for industrial needs and start up units by providing professional skills

PO7- Explore research interest with creative skills towards sustainable environment practices.

4. Programme Specific Outcomes (PSOs)

On completion of M.Sc. Textiles and Clothing Programme, students will be able to

- PSO1 Acquire research knowledge in Textile, Apparel and Fashion production techniques
- PSO2 Gain expertise in areas of fashion and design as to adopt current and future trends
- PSO3 Acquire entrepreneurial skills in the field of textiles, apparel and fashion
- PSO4 Excel in the area of computer and soft skills as per industrial needs and start-ups.
- PSO5 Acquire dexterity in the field of textile, clothing and fashion for employability

5. Eligibility

Candidates who have qualified in B.Sc. Costume Design and Fashion/Textiles and Apparel Design/Textiles and Fashion Design/Fashion Design/ Textiles and Clothing or any B.Sc./ B.Voc. Degree related to Textiles and Fashion disciplines are eligible to register for the Degree of Master of Science.

6. General Guidelines for PG Programme

- i. **Duration:** The Programme shall extend through a period of 4 consecutive semesters and the duration of a semester shall normally be 90 days or 450 hours. Examinations shall be conducted at the end of each semester for the respective subjects.
- ii. Medium of Instruction: English
- **7. Evaluation (25+75):** Evaluation of the candidates shall be through Internal Assessment and External Examination for Theory and Practical.

7.1. Evaluation Pattern

	EVALUATION PATTERN	Maximum Marks	Minimum Marks
		(Theory & Practical)	(Theory & Practical)
Internal	Continuous Internal Assessment Test	25 Marks	
Evaluation	Assignments / Snap Test / Quiz		13 Marks
	Seminars		
	Attendance and Class Participation		
External	End Semester Examination	75 Marks	38 Marks
Evaluation			
	Total	100 Marks	50 Marks

^{*}Minimum credits required to pass: 91

7.2. Internal Assessment-CIA

There shall be three tests conducted by the faculty concerned and the average of the best two can be taken as the Continuous Internal Assessment (CIA) for a maximum of 25 marks. The duration of each test shall be one / one and a half hour.

7.3. End Semester Examination (Theory): Max. Marks: 75 Time: 3 hrs.

7.4. Written Examination Question Paper Pattern

Theory Paper (Bloom's Taxonomy based)

(Common for PG Programmes)

Intended Learning Skills	Maximum 75 Marks Passing Minimum: 50% Duration: Three Hours
Memory Recall/Example/	Part-A (10x2=20Marks)
Counter Example / Knowledge	Answer ALL questions
about the	Each Question carries 2 marks
Concepts/Understanding	Two questions from each Unit
	Question 1 toQuestion10
	Part–B (5x5=25Marks) Answer
	ALL questions
	Each question carries 5 Marks
Descriptions/Application	Either - or Type
(problems)	Both parts of each question from the same Unit
	Question 11 (a) or 11(b)
	to
	Question 15(a) or 15(b)
	Part-C $(3x \ 10 = 30 \ Marks)$
	Answer any THREE questions
Analysis/Synthesis / Evaluation	Each question carries 10 Marks
	There shall be FIVE questions covering all the five units
	Question 16 to Question 20

Each question should carry the course outcome and cognitive level For instance,

[CO1: K2] Question xxxx

[CO3: K1] Question xxxx

7.5. Methods of Assessment

	METHODS OF ASSESSMENT
Remembering	• The lowest level of questions requires students to recall information from
(K1)	the course content
	 Knowledge questions usually require students to identify information in
	the text book.
Understanding	 Understanding of facts and ideas by comprehending organizing,
(K2)	comparing, translating, interpolating and interpreting in their own words.
	 The questions go beyond simple recall and require students to combine
	data together
Application	• Students have to solve problems by using / applying a concept learned in
(K3)	the classroom.
	 Students must use their knowledge to determine a exact response.
Analyze (K4)	 Analyzing the question is one that asks the students to break down
	something into its component parts.
	 Analyzing requires students to identify reasons causes or motives and reach conclusions or generalizations.
Evaluate (K5)	 Evaluation requires an individual to make judgment on something.
Evaluate (IX3)	
	 Questions to be asked to judge the value of an idea, a character, a work of art, or a solution to a problem.
Create (VC)	
Create (K6)	The questions of this category challenge students to get engaged in
	creative and original thinking.
	 Developing original ideas and problem solving skills

8. Project

8.1. Project Report

A student should select a topic for the Project Work at the end of the third semester itself and submit the Project Report at the end of the fourth semester. The Project Report shall not exceed 40 typed pages in Times New Roman font with 1.5 line space.

8.2. Project Evaluation

There is a Viva Voce Examination for Project Work. The Guide and an External Examiner shall evaluate and conduct the Viva Voce Examination. The Project Work carries 100 marks (Internal: 25 Marks; External (Viva): 75 Marks).

9. Conversion of Marks to Grade Points and Letter Grade (Performance in a Course/Paper)

Range of	Grade Points	Letter Grade	Description
Marks			
90 - 100	9.0 - 10.0	O	Outstanding
80-89	8.0 - 8.9	D+	Excellent
75-79	7.5 - 7.9	D	Distinction
70-74	7.0 - 7.4	A+	Very Good
60-69	6.0 - 6.9	A	Good
50-59	5.0 – 5.9	В	Average
00-49	0.0	U	Re-appear
ABSENT	0.0	AAA	ABSENT

10. Attendance

Students must have earned 75% of attendance in each course for appearing for the examination. Students with 71% to 74% of attendance must apply for condonation in the Prescribed Form with prescribed fee. Students with 65% to 70% of attendance must apply for condonation in the Prescribed Form with the prescribed fee along with the Medical Certificate. Students with attendance less than 65% are not eligible to appear for the examination and they shall re-do the course with the prior permission of the Head of the Department, Principal and the Registrar of the University.

11. Maternity Leave

The student who avails maternity leave may be considered to appear for the examination with the approval of Staff i/c, Head of the Department, Controller of Examination and the Registrar.

12. Any Other Information

In addition to the above mentioned regulations, any other common regulations pertaining to the PG Programmes are also applicable for this Programme.

13. Faculty Course File Structure-Contents

a.	Academic Schedule	q.	Laboratory Experiments related
			to the Courses
b.	Students Name List	r.	Internal Question Paper
c.	Time Table	S.	External Question Paper
d.	Syllabus	t.	Sample Home Assignment
			Answer Sheets
e.	Lesson Plan	u.	Three best, three middle level and
			three average Answer sheets
f.	Staff Workload	v.	Result Analysis (CO wise and
			whole class)
g.	Course Design (content, Course Outcomes	w.	Question Bank for Higher
	(COs), Delivery method, mapping of COs with		studies Preparation
	Programme Outcomes (POs), Assessment		(GATE/Placement)
	Pattern interms of Revised Bloom's Taxonomy).		
h.	Sample CO Assessment Tools	X.	List of mentees and their
			academic achievements
i.	Faculty Course Assessment Report (FCAR)		
j.	Course Evaluation Sheet		
k.	Teaching Materials (PPT, OHP etc)		
l.	Lecture Notes		
m.	Home Assignment Questions		
n.	Tutorial Sheets		
0.	Remedial Class Record, if any		
p.	Projects related to the Course		

14. COMMON TEMPLATE FOR ALL PG PROGRAMMES AS PER TANSCHE-2023-24

Semester-I	Credits	Hours	Semester-II	Credit	Hours	Semester-III	Credit	Hours	Semester-IV	Credit	Hours
1.1.	5	7	2.1.	5	6	3.1.	5	6	4.1.	5	6
Core-I			Core-IV			Core-VII			Core-XI		
1.2	5	7	2.2	5	6	3.2	5	6	4.2	5	6
Core-II			Core-V			Core-VII			Core-XII		
1.3	4	6	2.3	4	6	3.3	5	6	4.3 Project with	7	10
Core – III			Core – VI			Core – IX			viva voce		
1.4 Discipline Centric Elective -I	3	5	2.4 Discipline Centric Elective – III	3	4	3.4 Core – X	4	6	4.4Elective - VI (Industry / Entrepreneurshi p) 20% Theory	3	4
1.5 Generic Elective-II:	3	5	2.5 Generic Elective -	3	4	3.5 Discipline	3	3	80% Practical 4.5 Skill Enhancement	2	4
Licetive II.			IV:			Centric Elective - V			course / Professional Competency Skill		
			2.6 NME I	2	4	3.6 NME II	2	3	4.6 Extension Activity	1	
						3.7 Internship/ Industrial Activity	2	-			
	20	30		22	30		26	30		23	30
					Total C	credit Points -91		•			

Mother Teresa Women's University, Kodaikanal – 624101

15. Templates for Semesters

Choice Based Credit System (CBCS),
Learning Outcomes Based Curriculum Framework (LOCF) Guideline Based Credits
and Hours Distribution System
for all Post – Graduate Courses including Lab Hours

SEMESTER-I

S.No.	Course	List of	Credit	Hou	ırs	CIA	ESE	Total
	Code	Courses	S	L	P			
1.	P23TCT11	Core – I	5	7	-	25	75	100
2.	P23TCT12	Core – II	5	7	-	25	75	100
3.	P23TCP11	Core – III	4	6	-	25	75	100
	P23TCE1A/ P23TCE1B/ P23TCE1C	` 1	3	5	-	25	75	100
5.		Generic Course – 1: Women Empowerment	3	5	-	25	75	100
		Total	20	30)	-	-	500

SEMESTER-II

S.No.	Course	List of Courses	Credit	Hot	ırs	CIA	ESE	Total
	Code		S	L	P			
6.	P23TCT23	Core – IV	5	6	-	25	75	100
7.	P23TCT24	Core – V	5	6	-	25	75	100
8.	P23TCP22	Core – VI	4	6	-	25	75	100
9.	P23TCE2A	Elective – III	3	4	-	25	75	100
	/	(Discipline Specific)						
	P23TCE2B/							
	P23TCE2C							
10.	P23CSG22	Generic Course – 2: Cyber	3	4	-	25	75	100
		Security						
11.	P23TCS1A/	NME - Skill Enhancement	2	4	-	25	75	100
	P23TCS1B/	Course -1 (SEC-1):						
	P23TCS1C							
		Total	22	30)	-	-	600

M. Sc. TEXTILES AND CLOTHING -SYLLABUS

Semester wise Structure SEMESTER I

	Course Code	Course		Inst.	Cred	Exa	Max	. Marks
S. No.		Components	Name of Course	Hour s	its	m HRS	CI A	Extern al
1	P23TCT11	Core -I	Indian Textile and Apparel Industry	7	5	3	25	75
2	P23TCT12	Core -II	Technical textiles	7	5	3	25	75
3	P23TCP11	Core-III Practical-I	Advanced Pattern Making Practical	6	4	3	25	75
4	P23TCE1A/ P23TCE1B/ P23TCE1C	Elective –I (Discipline Specific)	(A) Surface Ornamentation Practical (B) Apparel Machinery Operations and Maintenance (C) Fashion Industry and Sustainability	5	3	3	25	75
5	P23WSG11	Generic Course - 1	Women Empowerment	5	3	3	25	75
			Total Credits	30	20			600

SEMESTER II

	Course code	Course		Inst.	Cr	Exa	Max	. Marks
S .No.		Course	Name of Course	Hou	edi	m	CI	Extern
				rs	ts	HRS	A	al
1	P23TCT23	Core -IV	Eco Textiles and	6	5	3	25	75
			Sustainability					
2	P23TCT24	Core -V	Textile Testing	6	5	3	25	75
3	P23TCP22	Core -VI	Textile and Apparel	6	4	3	25	75
		Practical- II	Testing Practical					
4	P23TCE2A/	Elective –III	(A) Fabric Draping and	4	3	3	25	75
	P23TCE2B/		Construction Practical					
	P23TCE2C		(B) Fashion Retailing					
			(C) Communication for					
			Fashion Business					
5	P23CSG22	Generic	Cyber security	4	3	3	25	75
		Course-2						
6	P23TCS1A /	(NME) - Skill	(A) Surface	4	2	3	25	75
	P23TCS1B /	Enhancement	ornamentation Practical					
	P23TCS1C	Course-1	(B) Ornaments and					
			Accessory Designing					
			practical					
			(C) Hand Embroidery					
			Total	30	22			600

Course		P23TCT11	SEMESTER I	YEAR-I	Cred	itsL	T	P	Hrs		
Code				E AND APPAREL							
CORE I		5	7	-	-	7					
Cognitive level	K1- R	ecall; K2 – Understa	nd; K3 – Analyze;	K4 – Apply;							
Learning Objectives	2.	Industry, Notable Research accomplishments, 2. Understand the position of textile Clusters in India 3. Understand the trends in E-Commerce of textile and apparel business									
Course	On suc	cessful completion of	the course, the stude	ents will be able to							
Learning Outcomes	S. No		Out comes		_	Dom of Lea Cog	rni	ing			
	CO1	Interpret the Current Sta manmade & filament ya consumption of fibers, y	arn with reference to p			K2			-		
		Review the Non-Wover India	•	•		K2					
	CO3	Identify the major initia Industry	tives taken by the clus	sters for the growth of	f the	K2					
		Demonstrate the registra				К3					
	CO5	Compare the performan & Clothing sector	ace of exports and don	nestic market of Texti	les	K4					
		Summarize the export of manmade & filament ya				K5					
Units		<u> </u>	Course Contents								
Unit I	Outloo	k of Indian Textile &	Apparel Industry	,							
	industr challen	iew and Growth of Ind y in India, Vision ges faced by textile in es for promoting textile	India, Structure of dustry in India, Late	f Indian textile in	ıdustr	y,					
Unit-II		Progresses of Cotton	•	ndustry							
	Cotton	Textile Industry: Ove	erview of cotton inc	lustry in India, key	mark	ets					
		xport destinations,		• ,							
		nption, Cotton Trade, o				es.					
		ture Industry: Introduc				اد مد					
	Consum Develo	nption of raw silk, pe	erformance of serici	ulture sector, Resea	ırcn a	na					
Unit-III		Progresses of Jute a	nd Woollen Indust	rv							
CIIIt-III	Recent	_	jute scenario, prod	•	good	s.					
	Domes	tic consumption of ju	-		_						
		d jute goods, Regulate									
	Researc	ch in jute sector, Appl	ication of jute in tec	hnical textiles.							
		en Industry: Production	-		es,						
	Import	and export of wool, R	esearch and develor	oment.							

Unit-IV	Clothi	Recent Progresses of Manmade & filament yarn and Textiles & Clothing Industry. Emerging trends in E-commerce of textile and Apparel Business												
	Appar			1 127	1	3 7.	T., J	D		т.	1			
	Even and			and Fi	lament	Y arn	Indust	ry: Pro	oduction	i, Impo	ort and			
	Export	_		a indu	tor. D	oont ir	nnort o	aanaria	and av	nort				
				_	•		-		o and ex Woven a	-	te)			
	_					-			el busin					
	_	_								CSS, V C	ildoi,			
Unit-V		gistering as a vendor, building of own e-com website. ecent Progresses of Non-Woven Industry, Research Associations &												
V V	Cluste Textile	lusters extile Research Associations: ATIRA, BTRA, SITRA, NITRA, MANTRA, ASMIRA, IJIRA, WRA												
		Nonwoven: Recent Development in India, Global												
		nsumption of Non-woven, Market Potential in India, Growth Drivers of on-woven and Market Overview												
		sters: Definition, Cluster Concept, Policy framework for clusters in India,												
		± 7												
	_	ga Handloom Clusters, Power loom mega clusters, Tirupur Knitwear sters, Ludhiana Knitwear and Apparel Clusters and Karur clusters.												
	Cluster	rs, Lua	illalla r	Millwe	ar and a	Appare	ei Ciusi	ers and	Karu r (ciusters	•			
Textbook		1. India's Textile and Apparel Industry: Growth Potential and Trade and Investment Opportunities, Sundar Shetty, U.S. International Trade Commission.2001												
						_			-		IBH Publ	_		
					a: Chang	ging Tre	nds and	Employ	nent Cha	llenges, l	Bindhuob	eroi, Oxf	ord	
Reference			Press,20		Service	s and F	Comme	arca: Imi	act of Te	achnolog	y on Goo	de Sarvie	eec and	
Book											iness Tra			
DUUK		IGI Glol	bal, 30-S	Sep-2013	3									
						Proces	sing and	l Silk R	eeling Te	echnolog	y: H. Paı	nda Asia	Pacific	
			s Press I			rictan M	ilan Sha	rma ADI	H Publish	ing 2006	5			
											g Elsevie	r. 15-Feb	-2014	
E-			of Text					4110 1 01,	, 1110151 2	, 11. S . L . L . L . L . L . L . L . L . L	8 2150 110	1, 10 1 00	2011	
Reference	2.	Fibre2 F	ashion -	Textile	Magazii	ne - Aug	gust 2017	7 Fibre21	Fashion, (01-Aug-2	2017			
Mapping	CO/								PSO	PSO	PSO	PSO	PSO	
of Cos	PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	1	2	3	4	5	
with POS	CO1	S	S	S	S	S	S	M	S	S	S			
& PSOs		S		S		S	S	S	S			M	S	
	CO2		S		S					S	S	M	S	
	CO ₃	S	S	S	S	S	S	M	S	S	S	M	S	
	CO4	S	S	S	S	S	S	S	S	S	S	M	S	
	CO5	S	S	S	S	S	S	S	S	S	S	M	S	
	_	•	elating		`		-			Marks				
	Moder	•		•)		-	- 2 marks						
		•	elating	(W)			-			Mark				
	No Correlation (N) - 0 mark									mark				

Course	P23TC	T12	SEMESTER I	YEAR-I	Credit	sL	T	` P	Hr				
Code			TECHNICA I				+						
CORE II			TECHNICAL	L TEXTILES	5	7	ı		7				
Cognitive level	K1 - R	emem	ber; K2 - Understand; K4 -	Analyze;									
Learning	The main	n objec	ctives of this course are to:										
Objectives		1. Learn about fibres and methods used for the production of Technical Text											
	2. L	earn i	n detail about the classification	ons of Technical Textiles									
				echnical Textiles in various f	ields								
	4. T	o stud	y the concept and uses of tec	hnical textiles									
Course	On succe	essful o	completion of the course, the	students will be able to									
Learning	S. No			comes		Do	m	ains	of				
Outcomes	;								ıg				
						C	og	nitiv	ve				
	CO1 Recall the scope of Technical Textiles and its Applications in various												
	fields												
	CO2 Discuss the fibres and fabrics used in various applications of technical textiles and the products with their uses.												
	CO3 Differentiate the fibres and fabrics that are suitable for Heat and flame								K4				
	protection and Survival textiles								K4				
	CO4 Compare the Conventional and Non-conventional fibres used in technical												
	~~~	textiles.											
	CO5	CO5 Compare the performance of various waterproof breathable fabrics like densely woven fabrics, membranes and coatings											
Units	Course												
Cints	Course	Conte	11.5										
Unit I	Technic	al Tex	tiles										
	Intro	ductio	on, definition, Applications a	nd scope of Technical Textile	es.								
			of Technical textiles.	-									
			2 2	n-modulus fibers, chemical fi									
		_	, , ,	rmance fibers, Ultra-fine and	l novelt	У							
	fibers-Us	ses. Di	fference between organic and	d inorganic man-made fiber.									
Timia II	Madie	Tro=-4*1	log and A and T49			+							
Unit-II			les and Agro Textiles  Textiles: Introduction, Fib.	are used Proportion Classif	ication								
				ers used, Properties, Classif Ith care /Hygiene Produc									
				e health monitoring. Recent to									
	Medical			e nearth mointoring. Recent t	i Ciids II	1							
				in agro textiles, Types, funct	ions an	d							
	_			s, Applications in agro Textil									
Unit-III			d Geo Textiles										
				ers used, functions and pr	_								
				ecture and in building cons	struction	n.							
	Recent a		ement in build tech.	1.1	•	1							
	mmo == = -4.*			rs used in geo textiles, funct	ions an	d							
	properties of ego textiles. Recent developments in Geo Textiles.												

#### Unit-IV **Protective Textiles. InduTech and Home Textiles** Protective Textiles: Introduction, fibres used, functions and properties, textiles for protection- Fire Protective clothing, Heat resistant garments, Water proof materials, Ballistic resistant garments, Biological and chemical protection vests, Military protective clothing. Recent developments in protective textiles. InduTech - Introduction, fibers used - functions and properties. Applications and latest trends in its field. Home Textiles - Introduction, fibers used, functions and applications of home textiles. Unit-V Sports Textiles, Smart and Intelligent Textiles Sports Textiles: Introduction, fibers used, functions, applications of Sports tech. Latest trends in Sports Tech. Smart and Intelligent Textiles – Classification - Active smart, passive smart, ultrasmart textiles and their applications- Phase change materials, shape memory polymers and its applications. Latest trends in smart and intelligent textiles. Textbook 1. Hand book of Technical textiles, A. R. Horrocks and S. C. Anand, Wood head publishing ltd, England, 2000 2. Technical Textiles and its Application, Dr.S.Grace Annapoorani, LASER Park Publishing House, India, 2017 Reference 1. Textiles for Industrial Applications, R Senthil Kumar, CRC Press, 2013 Book 2. Textile Fibers: Developments and Innovations, Kothari, V., New Delhi: IAFL Publications, 2000. 3. Handbook of Industrial Textiles, Sabit Adanur, Wellington Sears CRC Press ,1995 4. Agro Textiles and its Application, Dr.S.Grace Annapoorani, Wood head publishing ltd, India . 2018 Mapping CO/ PO₁ PO4 PO7 PSO₁ PO₂ PO3 PO₅ PO₆ PSO₂ PSO3 PSO4 PSO₅ of Cos PO with POS S CO₁ S S S S S S S S S S M & PSOs S S S S S S S S S S S CO₂ M S S S S S S CO₃ S S S S S S S S S S S CO4 S S S S S S S S S S S S S S

S

Strongly Correlating (S) -3 Marks Moderately Correlating (M) - 2 marks Weakly Correlating (W) - 1 Mark No Correlation (N) - 0 mark

S

S

S

CO₅

Subject Code	P23TCP11	SEMESTER I	T	P	Hrs							
CORE-III		ADVANCED PAT	TERN MAKING	its 4	-		6	6				
PRACTIC	AL- I	PRAC'										
Cognitive level	K3 - Appl	ly; K4 – Analyze; K6	– Create;									
Learning		objectives of this cours										
<b>Objectives</b>		study about pattern m	<u> </u>	~,,,,								
		understand about the learn about the pattern	-	-								
		study the flat pattern t	-	ques								
		develop pattern for cr	•									
Course	On succes	On successful completion of the course, the students will be a										
Learning Outcomes	S. No	Outco	mes				Doma	1				
Outcomes						_	Lear					
	GO1	A 1 (1 ( )	1.			Cogn K3						
	CO1	Apply the concepts of	<u> </u>			L						
	CO2	Analyze pattern makin	<u> </u>			L	K4 K3					
	CO3	Application of pattern				L						
	CO4	Relate the process flat modification	pattern techniques fo	r patte	ern		K4					
	CO5	Modify and develop p	atterns for creative de	signs			K6					
		Cour Conte										
	Develon	creative patterns using										
I		making techniques ar				İ						
	Sketch th	ne basic/original design	and modified /creati	ve								
		or pattern development				İ						
	1	garment, list the measu	•	-		İ						
	_	instructions and draft t				İ						
		rafting principles on or tern for new/creative d		uic								
	-	he original pattern and	_	ittern								
		r respective designs.										
		e original pattern and	modified /creative pat	tern								
	for same	measurements.				L						

	Construct one garment using any one of the basic and creative pattern.	
	1. Draft a basic pattern (any garment components /garments) and apply dart manipulation technique to shift darts from one location to another location to create designs.  2. Draft a basic pattern (any children garments) and apply Flat pattern techniques to add fullness at top and bottom edges of the garment to create designs.  3. Draft a basic pattern (any women's garment) and apply Flat pattern techniques to convert darts into seams of the garment.  4. Draft a basic pattern (any women's /Men's garment) and apply Flat pattern techniques to convert darts into seams forming yokes of the garment.  5. Draft a basic pattern (any garment components /garments) and apply pattern alternations methods to increase and decrease the fullness from the original size of basic pattern.	
Text Book	<ol> <li>Suzanne G. Marshall, HazelO. Jackson M. Sue Stanley, Mary Kefgen, Individuality in clothing Selection and Personal Appearance, Phullis Touchie Specnt, 2000.</li> <li>Harriet T, Mc Jimsey, "Art and fashion in clothing selection",</li> </ol>	
	The Lowa State University Press, Ames, Lowa, 2016.  3. Zarapkar K. R, System of Cutting, Navneet Publications, India, 2005.	
Reference Book	<ol> <li>Hilary Campbell, "Designing Patterns", Om Book Services, New Delhi, 2003.</li> <li>Helen Joseph, Pattern Making for Fashion Design, Armstrong Pearson Education, Delhi.2000.</li> <li>Kitty G. Dickerson, Inside the Fashion Business, Pearson Publications, New Jersey, Sixth Edition, 2002.</li> <li>MaryMathews, Practical Clothing Construction, Designing, Drafting and tailoring, Bhattarams Reprographics (P) Ltd., Chennai, Part II, 1991.</li> </ol>	

Mapping of Cos	CO/ PO	PO1	PO 2	PO3	PO 4	PO 5	PO 6	PO 7	PS O1	PS O2	PS O3	PS O4	PS O5	
with POS	CO1	S	S	S	S	S	S	S	S	S	S	S	S	
& PSOs	CO2	S	S	S	S	S	S	S	S	S	S	M	S	
	CO3	S	S	S	S	S	S	S	S	S	S	S	S	
	CO4	S	S	S	S	S	S	S	S	S	S	S	S	
	CO5	S	S	S	S	S	S	M	S	S	S	M	S	
	Strong	ly Corre	elating	g (S)			-	-		3 M	arks			
	Modera	ately Co	orrelat	ing (M)	)		-			2 m	arks			
	Weakly Correlating (W)						- 1 Mark							
	No Co		_	, ,			-			0 m	ark			

Course	P23TCE1	A SEMESTER I	YEAR-I	Credit	$\mathbf{L}$	Т	IHrs						
Code	<b>T</b>	CLIDE LOE ODN		2			145						
ELECTIVE- Discipline Ce			,	3	-	-	<b>\$</b> 5						
_		PRAC'z y; K4 - Analyze; K5 - Ev											
Cognitive level	K3 - Appr	y, K4 - Allalyze, K5 - Ev	aluate, Ko – Create										
Learning	The main	objectives of this course a	are to:										
Objectives				1: 4		- <b>.</b>							
		1. To acquaint students with the knowledge on application of embellishments on fabric surface.											
	2. To enrich garments using dyeing												
	3. To impart the knowledge and skills required to design fabrics and												
	garments using printing and painting												
	4. To design garments through proper selection of embroidery stitches												
	5. To identify the usage of garment accessory for enrichment of garments.												
Course	On successful completion of the course, the students will be able to												
Learning Outcomes	S.				lom	ains	of						
Outcomes	No No	Outcomes			ams [.] ning								
				nitive	!								
	CO1 I	Designing garments with	surface decoration		K5								
	CO2	Application of dyeing tech	nniques on garments		K3								
		Garment designing usin		ing	K6								
		Evaluate samples produce				K4							
	CO5	Create designs using garm				K6							
Units		Course	e Contents										
I	Develop d	esigns on garments for	surface enrichment	of necl	line	/wais	t						
		s/bottom hem line/colla	•		or	butto	or						
	hole/arm li	ne/pockets using the below	w embellishment techr	niques.									
II		two children, Women's ar		table fo	r								
		and application of orname	<del>-</del>										
		Oyeing - Tie and dye/ Bati											
		Printing – Block/Screen/St	tenc11										
	<ul><li>3. Painting</li><li>4. Embroidery -Hand/Machine</li></ul>												
	5. Smocking												
	6. Lace												
	7. Applique												
		tuds/Beads/sequins/mirro											
	9. Accessories-Buttons/elastic/cords/tapes/buckles												

Torrthooler	1 I wai	ndo Cor	adamta.	n Donor	hr. W.	- A T	ha I II4	imata 1	Dools o	f Ouil	tina C	#000 C	titah
Textbook:	1. Lucii				•				BOOK C	or Quii	ung C	ross 5	nicn,
	Needle	craft, A	nnes I	Publishi	ng Lto	I., Lon	don, 2	005.					
Reference	1. Mu	nni Sriv	atsava	and Ba	ats for,	Embr	oidery	Techr	niques	from I	East &	West,	
Book:	Lon	don, 20	005.				· ·		-				
		2. Nancy Ziemon, Machine Embroidery with confidence – A beginner's guide											
	Kra	Krause Publications, West Indies, 2005.											
	3. 4. N	3 A Margo Singer Teytile Surface Decoration, Silk and Velvet Teytile											
<b>N</b>		handbook, A&C Black Publishers, Great Britain, 2007.											
Mapping of		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PS	PS	PS	PS	PS
Cos with	PO		102	100	10.	1 00	100	10,	O1	O2	O3	O4	O5
POS &	CO1	S	S	S	S	S	S	S	S	S	S	M	5
PSOs	CO2	S	C	S	S	S	C	S	S	S	С	Ν./	
	CO2	3	S	3	3	3	S	3	3	3	S	M	ŗ
	CO3	S	S	S	S	S	S	S	S	S	S	M	2
	CO4	S	S	S	S	S	S	S	S	S	S	M	2
	CO5	S	S	S	S	S	S	S	S	S	S	S	7
	Strongl	y Corre	lating	(S)			-			3 Mar	ks		
	Modera	Moderately Correlating (M) - 2 marks											
	Weakly Correlating (W) - 1 Mark												
	No Cor	relation	(N)				-			0 marl	ζ.		

Course	P23TC	C1 D	SEMESTER I	YEAR-I	Credit	T	T	P	Hr			
Code	12310	EID	SENIESTERT	I LAN-I	S		1	I	2111			
ELECTIVI	<u> </u> E- <b>T</b>		APPAREL MACHIN	ERY OPERATIONS	3	_	_	5	5			
Discipline (				TENANCE								
Cognitive		ecall:	K2 – Understand; K3 –		K5 – E	val	uat	e:				
level		, , , , ,		<b>FF</b> - <b>J</b> , <b>J</b> ,				-,				
Learning	The main	objec	ctives of this course are to	D:								
<b>Objectives</b>	1. To e	nable	students to learn about e	volution and types of sev	wing ma	achi	iner	ies				
			lifferent types of basic se									
		_	the students to understar	nd the concepts of garme	nt quali	ty i	n st	itcl	hing			
	-	ations										
			nt students about the imp		tion							
C		5. To understand care and maintenance of sewing machines n successful completion of the course, the students will be able to										
Course	On succe	sstul (	completion of the course,	the students will be able	e to							
Learning Outcomes	S.				Doma	ins	of		$\exists$			
Outcomes	No		Outcomes	Learr								
				Cogni								
	CO1		ution and types of sewin		K1 K2							
	CO2		es of basic sewing machi									
	CO3		lyzation of garment quali	K4								
			ations	W2				_				
	CO4		lication of inspection tec	hniques for In-line	K3							
	COF		ations	C		V.			_			
	CO5	Evai	uation of maintenance of			K5						
Units			Course Con	tents								
Unit I	Introduc	tion t	o Sewing Machines									
			Evolution of the sewin									
			chanical, Electrical and (									
			sewing machine - Do	omestic and Industrial	sewing							
			racteristics and features.									
Unit-II	Sewing N			1 ' 1' '								
			of sewing machines-General characterist	_	_	1						
			d on technical characterismachines, sewing autom	•								
			otic sewing machines.									
			echanism, bed type- Char									
			autions. Advanced sewin									
	machine			.g	30 1112							
Unit-III			ity in Stitching Operati	ons								
		_	ty -factors contributing		materia							
			ories, cutting quality, I									
	departme	nt, ma	chine and sewing quality	, Washing and finishing	quality.							

	Functions of quality assurance in sewing department - Role as responsibility of Quality assurance manager. Standard quality lever Fault free fabric, Good stitching and seam formation, Mach conditions, needle size, and thread, trims and fasteners -Job comeaning - Importance of job card or work ticket- job card specification-garment components, stitch specification.													
Unit-IV	In-line check by buy – Defe notice:	h-line Inspection h-line inspection — Meaning - Format of inline checking - checking at heck points, Roving quality checking, Traffic light System, inspection y buyer. Types of in-line inspection -Purpose- In-line Inspection report  Defect list- Defect classification zones - Most noticeable, Average oticeable, least noticeable. Specifications of quality department - watch cards, specification sheet, trim cards.												
	Cleani machi handli Clear Protec Essent	leaning and Maintenance of tools - Cleaning and oiling of sewing achines- Handling of sewing machines -Safe and correct procedure of andling equipment and machinery - Clothing and Personal Protection, lear demarcations and sign boards, Compliance towards — Noise rotection, Cleanliness and maintenance, Reporting an Accident, seential facilities required at the workplace- Potential hazards risks and reats based on nature of operations.												
Textbook:	Book 3 2. Du	Servico Ideja, V	e, New V.D., F	Delhi Profess	i, 2010 ional l	).				Clothing		Cacturing	g, Om	
Reference Book:	1. Ger Ltd., C 2. Be Limite 3. Kar CRC I	Publication, New Delhi, 2005.  I. Gerry Cooklin, Garment Technology for Fashion Designers, Black Well Science Ltd., Oxford, 2005.  Betsy hose good, The Complete Book of Sewing, Dorling Kindersley Limited, London, 2006  Karthik T., Ganesan P., Gopalakrishnan, D, Apparel Manufacturing Technology, CRC Press, U.S., 2016.  Debbie Colgrove, Sewing, Wiley Publishing, Inc., Hoboken, New Jersey, 2006.												
Mapping of Cos	CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6		PSO 1	PSO 2	PSO 3	PSO 4	PSC 5	
with POS & PSOs	СО	S	S	S	S	S	M	S	S	S	M	S	S	
~ 100s	CO	S	S	S	S	S	M	S	S	M	M	S	S	
	CO	S	S	S	S	M	S	S	S	S	M	M	S	
	CO	S	S	S M	S	S	M S	S	S	S	M M	M M	S	
		3	3	1 <b>V1</b>	3	3	3	٥	3	3	IVI	1 <b>V1</b>	3	

Course Code	P23TCE1	C SEMESTER I	YEAR-I	Credits	L	Γ	P	Hrs					
ELECTIVE 1		FASHION I	NDUSTRY AND	3	5 -		_	5					
Discipline Cen			INABILITY										
Cognitive level	K2 - Und	erstand; K3 - Apply; K	4 – Analyze; K6 - Cr	eate									
Learning	The main o	objectives of this course a	are:										
Objectives	1. To	Understand the concept	of fashion industry and	l its susta	inal	bil	ity						
		learn about the concept				y							
		3. To learn about relations of Fashion industry and Environment											
		4. To Understand the idea of green consumerism											
		5. To understand about Sustainable Business Strategies											
Course	On successful completion of the course, the students will be able to												
Learning Outcomes	C			D	•	- C	•	٦					
Outcomes	S. No												
	110	Outcomes		Cogi				-					
	CO1	Fashion industry and its	sustainability	Cogi	K2			-					
		Sustainability in clothing			K2			-					
		Analysing Fashion indus			K4								
	CO4	Becoming green consum	ner		K3		-						
		Development of Sustain			K6			1					
		Strategies.											
Units		Course	Contents										
Unit I	Fashion su	ıstainability											
		oduction- Fashion, Susta	<u> </u>		•								
		e fashion- Meaning-Imp											
		onmental concerns related											
		fashion-Sustainable cle	_	-									
	and challer	or enhanced product life.	Sustamability mrasmo	ni-benei	ItS								
Unit-II		ility in Clothing Industi	rv										
		cycling and upcycling-	•	ts- Carb	on								
		vater footprint and energy	*										
		ity in Clothing Industry											
		othes repair and re-use. V											
	_	ncept of Zero waste fashi	•	•									
	(PSS) for sustainable fashion- PSS design thinking and PSS consumer adoption - Multi-life Garments through Modular Structures and												
	-												
	Supplement innovation.		er engagement and	l busine	SS								
		e fashion designers, susta	ninable fashion brands	Eco-									
	Sustamadic	rasmon designers, susta	inable rasinon brands,	<u> </u>									

	friendly fashion labels	
Unit-III	Fashion Industry and Environment  Fashion and Environment —Fashions environmental impact — Water pollution, water consumption, Micro fiber pollution, Waste and disposal, chemical usage, carbon emissions, soil degradation. Reducing environmental impact in fashion industry-buy less, buy clothes from sustainable brands, buy better quality, think before disposal, buy second hand, swap and rent clothing, cloth washing practice.	
Unit-IV	Green Consumerism  Green consumerism -Meaning-Importance- green consumerism and waste reduction- Green consumer – Possible ways to become green consumer- Green Marketing Strategies. 3Rs – Reduce, Reuse and Recycle. Ways to increase the sustainability of fashion -Raise awareness, Radical Rethinking, Increase corporate and consumer responsibility, Push for alternatives, Introducing effective policy.	
Unit-V	Sustainable Business Strategies  Sustainable Business Strategies - Environmentally Friendly Operation Strategies - Design for environment, environmental management systems, product stewardship programs, supply chain management, total quality management and Just-in-time. Marketing Mix for Green Products-Product, place, promotion, price. Product Life Cycle in Fashion Industry- Materials, Production, Distribution and Transportation, Product Use, End of Use. Textile recycling- Available recycle options - convenience of recycle options- Re-design solution package. Consumer behaviors and attitudes- Media and information reliability, Green clothes and information credibility.	
Textbook	1. Fletcher K, Sustainable Fashion and Textiles- A Design Journey, Law King Publishing, 2008.	rence
Reference Book	<ol> <li>Yamase K, Cut up Couture- Edgy Upcycled Garments to Sew, Interw 2012.</li> <li>Phillips J, Create, Sustainable Luxe- A Guide to Feel Good Fashion, Publishing, 2013.</li> </ol>	
E- Reference	1. https://www.coursera.org/learn/sustainable-fashion 2.https://www.edx.org/course/circular-fashion-in-a-sustainable- clothing industry 3. https://www.my-mooc.com/en/mooc/sustainable-fashion/ 4. https://www.sustainablefashionmatterz.com/what-is-sustainable-fashion/	<u>on</u>

Mapping of Cos with POS	CO/ PO	PO1	PO 2	PO3	PO 4	PO 5	PO 6	PO 7	PS O1	PS O2	PS O3	PS O4	PS O5
& PSOs	CO1	S	S	S	S	S	S	S	S	S	S	M	S
	CO2	S	S	S	S	S	S	S	S	S	S	M	S
	CO3	S	S	S	S	S	S	S	S	S	S	M	S
	CO4	S	S	S	S	S	S	S	S	S	S	M	S
	CO5	S	S	S	S	S	S	S	S	S	S	S	S
	N V	/lodera	tely Corre	elating orrelating lating ( n (N)	ng (M	)			- - -		2	Mark mark Mark mark	S

<b>Subject Code</b>	P23TC	T23	SEM	ESTER II		YE	AR-I	Credit		T	<b>P</b>	Hrs
CO	RE-IV		ECO T	<b>TEXTILES</b>	SA	ND SUSTA	INABILITY	5	6	-	-	6
Cognitive level	K2 – Und	lerstan	d; K3 -	Apply; K4	<b>1</b> - A	Analyze ;						
Learning Objectives	1. Ur 2. Le 3. Ga 4. Le	nderstar earn abo ain kno earn abo	nd about out the e wledge a out Ethic	co-friendly about natur cal manufac	es a pro pro pral f	and sustainab ocessing of to libers, dyes a ling	nd finishes.					
Course Learning Outcomes	On succes S. No	ssful co		n of the cou	urse	e, the students	s will be able	to	Dor Lea Psy	rniı		
	CO1	Conce	ept of ec	inable develo	pment			K2				
	CO2	Eco-f	riendly p	processing								
	CO3			f natural dy								
	CO4					environmenta						
	CO5	To ex	plore th	e need for r	recy	cling/upcycl	ing of textiles			I	K4	
Units				Cou	ırse	Contents						
Unit I	An overview of Eco and Sustainable Development Introduction and needs for eco-textiles, importance of eco-textiles. Ecology - Production ecology, Human ecology and Disposal ecology. Structure and stability of the ecosystem. Introduction, Definition, concepts of Sustainable Development, SDG Goals, Principles of sustainability. Green manufacturing- introduction and importance. Waste management for sustainable textiles and clothing.											
Unit-II	Organic and Sustainable Textiles Organic fiber production and Processes; Organic cotton, wool, silk, bamboo, Regenerated fibers- Lyocell, PLA (Polylactic Acid) fibers, Recycled fibers- PET. Nano technology applications in textile industry. Sustainable fibers- Introduction, importance and applications. Zero liquid discharge in textile industry. Reduction of carbon footprints in textile processing and finishing;											

	Eco-friendly Processing of Textiles
Unit-III	Modern approaches to eco- friendly wet processing of woven and knitted clothing. Red listed textile chemicals, effects of red listed chemicals on health and environment. Eco friendly fibers, Eco-friendly dyes and their method of dyeing; Energy efficient production methods and processing techniques. Enzymes, and natural dyes, Natural mordants for natural colour dye fixation.
Unit-IV	Recycling, Up cycling of Textiles and Circular Economy Recycling- Definition, recycling process, importance of recycling. Upcycling- Definition, importance of upcycling, upcycling of textiles and clothing, sustainability through innovative designs and accessories. Circular economy- Definition, importance, benefits of circular economy.
Unit-V	Ethical Manufacturing and Corporate Social Responsibility  Ethical Manufacturing — Meaning, importance of ethical manufacturing in textile Industry- ethical issues relating to textile and fashion industry. Ethical practices for sourcing of sustainable fashion clothing and accessory.  Corporate Social responsibility — need and importance of CSR in fashion and apparel industry.
Text Book	<ol> <li>M W King, B S Gupta, R Guidoin, Bio-Textiles as Medical Implants, Woodhead Publishing, 2013.</li> <li>Christier.M., Environmental Aspects of Textile Dyeing, Woodhead Pub. Ltd, Cambridge, 2007.</li> </ol>
Reference Book	<ol> <li>K. Sangeetha, Eco Textiles and Sustainability, Laser Park Publishing House, 2017.</li> <li>Richard Blackburn, Sustainable Textiles: Life Cycle and Environmental Impact, Wood head Pub.Ltd., 2009.</li> <li>Miraftab M. and Horrocks R., Eco Textiles, Wood head Pub. Ltd, Cambridge, 2007.</li> <li>Black S, Sustainable Fashion Handbook, Thames and Hudson, 2013.</li> <li>Rajesh D., Textiles for Sustainable Development, Anandjiwala Nova Publishers, 2007.</li> <li>Miraftab, M Horrocks, A. Richard, Eco textiles: The Way Forward for Sustainable Development in Textiles, Wood head Publishing, Elsevier, 2007.</li> <li>Richard S. Blackburn, Sustainable Textiles: Life Cycle and Environmental Impact, Woodhead Publishing; 2009.</li> <li>Marion I Tobler-Rohr, Hand book of Sustainable Textile Production, Woodhead Publishing, Elsevier, 2011.</li> <li>Charis M. Galanakis, Biobased Products and Industries, Elsevier, 2020.</li> <li>Shahid UI-Islam, The Impact and Prospects of Green Chemistry For Textile, Bhupendra Singh Butola, Elsevier, 2018.</li> <li>P. Vinayagamurthi, S. Kavitha, D. Gopalakrishnan, Textiles finishing –Basic concepts and application, Astral Publications International Pvt. Ltd, New Delhi, 2018.</li> </ol>

Mapping of Cos with	CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5	
POS &	CO1	S	S	S	S	S	S	S	S	S	S	M	S	
<b>PSOs</b>	CO2	S	S	S	S	S	S	S	S	S	S	M	S	
	CO3	S	S	S	S	S	S	S	S	S	S	M	S	
	CO4	S	S	S	S	S	S	S	S	S	S	M	S	
	CO5	S	S	S	S	S	S	S	S	S	S	M	S	
	Strongl	y Corre	lating (	(S)	•		-		3 N	<b>I</b> arks				
	Modera	tely Co	rrelatir	ig (M)			-		2 m	narks				
	Weakly	Correla	ating (V	W)			-		1 N	<b>I</b> ark				
	No Cor	relation	(N)				-		0 m	nark				

COURSE	P23T0	CT24	SEMI	ESTER II	YEAR-I	Credit	sL	T	P	Hrs		
CODE												
CORE V				TEXTILE	TESTING	5	6	-	-	6		
Cognitive level	<b>K2</b> – U	ndersta	nd; K3 – A	Apply; K4 - A	nalyze;				,			
ic v ci												
_				course are to:								
Objectives			_		ile testing and its role			rol.				
				-	l instruments for testin	-						
					ational standards for t	extile testin	ıg.					
		•			naterials by testing.	ulta						
Course					erials based on test res ne students will be abl							
Learning	On succe	2881U1 CC	ompletion c	or the course, the	ie students will be abl	e 10						
Outcomes							mains of					
Outcomes	S. No						earning					
	CO1	Underst			Cog K2	nitive						
				•	and standards of textile d instruments to determine							
	CO2	length,	fibre finenes	ss and fibre strei	ngth			K3				
	CO3	Execute uneveni		testing method	ls for count, twist,	strength a	nd		K4			
	CO4				hods for fabric weight, c strength, drape and pilli		ess,		K2			
	CO5				ous Color fastness tests	ing			K3			
					perties such as air perme	ability, wate	er					
	CO6			sion and heat tra		•			K2			
Units				Course Con	itents							
Unit I	An over	view of	textile test	ing and humi	dity							
		_	•		ction to standards – Ir	-						
	types, In BIS.	ternatio	nal Quality	parameters a	nd standards - AATC	C, ASTM,						
	Moisture	e and F	- Humidity	its importan	ce and relationship t	o textiles,						
	Standard	latmosj	pheric cond	ditions, Measu	rement of humidity -	- Wet and						
	Dry, Me	asureme	ent of moist	ture regain and	content by Condition	ing oven						
	and Shir	ley mois	sture meter									
Unit-II	_		properties									
					tance; Methods of me							
			,		TIRA fibre fineness	,						
			_		nt of strength using Pr	•	1					
	_	-	dex; Analy	sis of trash an	d lint content in cotto	on by Shirle	y					
	trash ana	ılyzer.										

Unit-III	III De	termin	ation (	of yarn	prop	erties							
										by Quad			
	balance	e. Twis	st and i	its sign	ificanc	ce – Es	stimatio	on of ty	wist-by-	twist te	ster;		
										ciples, St			
	of inst	rument	s - Sin	gle thre	ead stre	ength to	ester ar	nd Lea	strength	tester; Y	Yarn		
	evenne	ess - R	andom	and p	eriodic	variat	ions, Y	Yarn ap	pearanc	e board	and		
	ASTM	standa	ards, U	ster Ev	enness	tester.							
<b>Unit-IV</b>	Deterr	ninatio	on of fa	abric a	nd gai	rment	propei	rties					
	Fabric	testing	g – De	etermin	ation	of fabi	ric wei	ight; C	ount de	terminat	tion;		
	Import	ance o	of cove	er fact	or –	Shirley	crim	p teste	r; Meas	suremen	t of		
	thickne	ess by S	Shirley	thickn	ess gai	uge; Fa	bric st	iffness	tester, N	<b>l</b> easurer	nent		
	of crea	se reco	overy –	Shirle	y crea	se reco	very to	ester; A	brasion	resistan	ice -		
	Martin	dale ab	rasion	tester;	Fabric	streng	th – Te	nsile, T	Tearing a	and Burs	ting		
	strengt	h teste	rs, Pill	ing test	ter, Me	easurer	nent of	f fabric	drape,	Introduc	tion		
	to fabr	ic hand	lle –Fal	bric To	uch Te	ester (F	TT).						
	Garme	nt testi	ng - Se	am test	ting- se	eam str	ength,	seam s	lippage.	Accesso	ories		
	testing	- zippe	r, butto	ns, sev	ving th	read.							
Unit-V	Testin	g of fa	bric co	mfort	and co	olour f	astnes	S					
	Clothi	ng con	nfort –	Introd	duction	n, Thei	mal c	omfort-	water	and vap	oour		
	permea	ability,	theri	mal c	onduc	tivity,	thern	nal re	esistance	e and	air		
	permea	ability.	Colou	r Fastr	ness- 1	[mporta	ance ai	nd fact	ors affe	cting co	lour		
	-	•				-				perspirat			
	grey so	cales ar	ıd ratin	gs.		_	_			_			
Textbook:	1	. A Pra	actical	Guide	to Tex	tile Te	sting, A	Amutha	.K, CRO	C Press,	2016		
										ation,200			
Reference											RC Pres	s, 2017.	
Book:				_					_	Ltd., 200			
	3.		-		e Testi:	ng, J.E	.Booth	, 3rd E	dition19	986, CBS	S Publish	ners &	
			outors,										
	4.			_			_			th revise	d edition	n, SSMI'	ГТ
	_							layam.					
	5.												mby, 1st
										shed by	Mohind	er Singh	Sejwal
	_	•	•					i, India				~ .	
	6.							n fibers	s, yarns a	and fabri	ics, V.S.	Sundara	m and
			.Iyenga	,		,							
				- •						ublishin	_		
	8.	•		_	extiles	by B.I	P.Savil	le, Wo	odhead p	publishir	ng series	in textil	les,
		Elsevi	er,1999	9		1	1	T		Т	1	1	
Mapping	CO/	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5
of Cos	PO		- 32			2 00	2 0 0			1202	1200	- 201	
with POS	CO1	S	S	S	S	S	S	M	S	S	S	M	S
& PSOs		1	I.			l	l	1		l			

	CO2	S	S	S	S	S	S	S	M	S	S	M	M
	CO3	S	S	S	S	S	S	S	S	S	S	M	S
	CO4	S	S	S	S	S	M	M	S	S	S	M	M
	CO5	S	S	S	S	S	S	S	S	S	S	M	S
S	Strongl	y Corr	elating	(S)	L		-		3	Marks			l
N	Modera	ately C	orrelat	ing (M	)		-		2	marks			
1	Weakly	/ Corre	elating	(W)			-		1	Mark			
	No Cor		_				-		0	mark			
T.	NO COI	1614110	II (IN)				-		U	mark			

COURSE	P23TCP2	22 SEMESTER II	YEAR-I	Credits	L	T	P	Hrs
CODE				Creares				
CORE VI		TEXTILE AND A	PPAREL TESTING	4	-	-	6	6
PRACTICA	L-II	PRAC	CTICAL					
Cognitive	K4 - Ana	alyze; K5 - Evaluate;			•			•
level								_
Learning		objectives of this course are						
Objectives		the quality parameters of the						
		ate the quality of yarn and g						
C		yze the colour fastness prope						
Course	On succes	sful completion of the course	e, the students will be able t	.0				
Learning Outcomes					Doma	•	e	
Outcomes	S. No	Outcomes			Doma Lear	-		
	5.110	Outcomes			ogniti			
	CO1 Po	erform yarn tests for crimp	percentage, evenness and sin		K			
		arn strength	percentage, eveniness and sin	igic	11	J		
		nalyze fabric test such as weigh	nt, count, thickness, crease		K	4		
		covery, abrasion, stiffness, bur	sting strength, tearing strength	ı,				
		rape and pilling						
	CO ₃ A	ssess various color fastness test	ts		K	5		
		Course C	ontents					
Ī	Observe th	ne latest textile testing instru	ments in textile and garmen	ıt				
	industries.	_	C					
**	·	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
II	Experimen	nt, test and evaluate different	types of fibres, yarns and f	abrics.				
III	Prepare re	port of your observations.						
	1. Yarn Co	ount, lea strength						
	2. Single Y	Yarn Strength						
	Twist of y							
		ameters- EPI, PPI, Thickness	s, GSM					
	Stiffness of							
		Resistance of fabric						
		covery of fabric						
	Drape of f							
	Pilling of 1							
		e Strength of fabric						
		trength of fabric Strength of fabric						
		astness to Washing						
	. Coloui I	astress to washing			L			

	. Colou . Shrin 16. Sea	ır Fastn kage ım testi	ng: se	ing (dry Perspir am stre ting: Zi	ration ength,	seam	slippa		hread.							
Textbook	1. A P	ractica	l Guid	e to Te	xtile 7	Testing	g, Ami	utha.K	C, CRC	Press, 2	2016					
Reference Book	2. Ac 3. Fa 4. Pri	extile Testing, Raul Jewel, APH Publishing Corporation,2005 dvanced Textile Testing Techniques, Sheraz Ahmad et al., CRC Press, 2017. dbric Testing, Ed. Jinlian Hu, Woodhead Publishing Ltd., 2008. inciples of Textile Testing: An Introduction to Physical Methods of Testing Textile bers, Yarns and Fabrics, J.E.Books, Butterworths,1986														
Mapping of Cos with	CO/ PO	PO1	31         2         PO3         4         5         6         7         1         2         3         4         5													
POS & PSOs	CO1	S	S	S	S	S	S	S	S	S	S	M	S			
	CO2	S	S	S	S	S	S	S	S	S	S	M	S			
	CO3	S	S	S	S	S	S	S	S	S	S	M	S			
	CO4	S	S	S	S	S	S	S	S	S	S	M	S			
	CO5	O5 S S S S S S S S S M S														
	Modera Weakl	rongly Correlating (S) - 3 Marks oderately Correlating (M) - 2 marks eakly Correlating (W) - 1 Mark o Correlation (N) - 0 mark														

Subject code	P23TCE2	2A SEMESTER II	YEAR-I	Credits	T	L	P	Hrs	
ELECTIVE II Discipline Cent		FABRIC DRAPING AND PRACT		3	_	-	4	4	
Cognitive level	K3 - App	ly; K4 - Analyze; K5 - Evalua	te; K6 - Create						
Learning Objectives	1. To 2. To 3. To 4. To	objectives of this course are to study about the theme formula design garments and develop per develop the knowledge of selection apply construction skill for gard learn the cost calculation for first	patterns using draping techniques to comment suitable fabrics rment development and en	hniques	t				
Course	On							_	
Learning Out comes	S. No	Outcomes	Dom Lear Cogn	nin	g				
Out comes	CO1	Developing theme and garmer	nt design	Cogi	K				
	CO2	Application of draping technic	ques for pattern making		K	3			
	CO3	Analyzation and collection of garment design	suitable materials for		K4				
	CO4	Application of Garment const techniques	ruction and enrichment		K	3			
	CO5	Evaluation of cost of finished	garment		K	5			
	successful Course C	completion of the course, the sontents	students will be able to	1					
I	Ch Ta de fab Dr eff Inc alt Cc Fire	<ul> <li>Develop a theme, design garment sketch and present flat sketches f Children/ Women's / Men's/special garments (any three)</li> <li>Take measurements and select suitable fabric for draping the developed garment design (muslin weight is closer to the choice of fabric)</li> <li>Drape the fabric on dress form and make loose stitches for floating effect or develop sloper pattern</li> <li>Include sewing allowance to the pattern and make necessary patternations</li> <li>Construction of garments</li> <li>Finish the garments with accessories / embellishments.</li> <li>Calculate the cost of the garment.</li> </ul>							

Text Books	1. Za	arapkar S	System	of cuttin	ıg, Zara	pkar T	ailoring	g Colle	ge, Nav	neet, 2	2010.		
References	<ol> <li>A1</li> <li>20</li> <li>Pe an</li> <li>M</li> </ol>	eader's I nita Tya 112. eg Couc Id Fashi arie Cla Brown,	ngi, Ha h, Garn on, Fon nyton, 1	ndbook ment Co x Chape make yo	of fasi onstructed Publication	hion To etion: A ishing.	echnol A Com USA,	logy, S plete c 2011.	onali I course	Publica on mal	ations, king cl	New I	Delhi, for fit
E-References	<ol> <li>Draping for Fashion Design, Jaffe, Jaffe Hilde, Pearson Education India, 2009</li> <li>Draping: The Complete Course, Karolyn Kiisel, Laurence King Publishing, 2013</li> <li>Draping for Apparel Design, Helen Joseph-Armstrong, Bloomsbury Academic, 2013</li> <li>Cutting and Draping Party and Eveningwear: Dressmaking and pattern cutting for special occasion clothes Dawn Cloake Pavilion Books, 01-Oct-2016</li> <li>The Art of Fashion draping-Connie Amaden -Crawford.</li> <li>Comdex fashion design- Dr.Navneet Kaur.</li> <li>Fashion Draping- Helen Joseph Armstrong.</li> <li>Basics of fashion design, Knitwear design by Alexander McQueen, A/W09.</li> <li>Fashion Design: The Complete Guide, by JOHN HOPKIN.</li> <li>https://iifd.in/importance-draping-fashion-designing/</li> <li>https://www.fibre2fashion.com/industry-article/7463/art-of-fashion-draping,by</li> </ol>											, 2013 mic, sing for	
Mapping of Cos with POS	fashion CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
& PSOs	CO1	S	S	S	S	S	S	S	S	S	S	S	S
	CO2	S	S	S	S	S	S	S	S	S	S	S	S
	CO3	S	S	S	S	S	S	S	S	S	S	S	S
	CO4	S	S	S	S	S	S	S	S	S	S	S	S
	CO5	S	S	S	S	S	S	S	S	S	S	S	S
		- 3 Marks - 2 marks - 1 Mark - 0 mark											

Course code	P23TCE2B	SEMESTER II	Credits	L	T	P	Hrs				
ELECTIVE II Discipline Cen		FASHION F	RETAILING	3	4	-	-	4			
Cognitive level	K2 – Unde	rstand; K3 - Apply; K4 -	Analyze; K6 – Create								
Learning	The main ob	jectives of this course are:									
Objectives		earn about retail merchand									
		Inderstand about retail loc									
		mpart students the knowled	_	rivate lab	els						
		nalyze the financial aspect lan Store Layout and Merc									
Course		al completion of the course		to							
Learning		1	,								
Outcomes	S. No	Outcomes			Le	nain arni gnit					
	CO1	Understand the concepts o	f retail merchandising		Cu	_	(2				
	CO2	Apply the concept in plant	ning the retail locations			k	3				
	CO3	Analyze brands and privat	e labels			k	(4				
	CO4	Analyze the online retail b	ousiness			k	(4				
		Development of store layo presentation	out and merchandise			k	6				
Units		Course Co	ontents	•							
Unit I	Retai structures, re specialty stor	Retail Merchandising Retail Merchandising -The Marketing Channel, Retail organization actures, retail merchandising, Retailing Formats- Department stores scialty stores, hard – to – classify stores, Depth and breadth, discounting ther Retailing Formats – non store retailers.									
Unit-II	Retail Locations  Retail Locations -Unplanned shopping districts, planned shopping centres, and the mix of stores in a shopping center. Retail growth and expansion – Retail ownership. International Retailing, Retailing Advertising.										

Unit-III	Brand	s and j	private	labels	5								
				-					ndising, l		_		
									dise Re		_		
	Manufa	acturer	s, Mero	chant V	Vholes	aler – I	Distrib	utors. '	Γrade Sh	lows.			
Unit-IV	Online	Retai	l Busir	iess									
									ergence o				
	retailin	_											
	Opport								n E-Reta Ecom				
	Introdi	uction											
		Store Layout and Merchandise Presentation Store Planning and Store design - elements- Store layout,											
Unit-V	Store I												
	cianage			_			_		op, free	•			
									l Mercha				
	Fixture												
Textbook:	<b>1.</b> John 1996.	Donn	ellan, N	Mercha	ndise I	Buying	and M	lanagei	ment, Fa	irchild I	Publicati	ons, Nev	w York
Reference		n Diam	ond, F	ashion	Retail	ing: A	Multi-	Channe	el Appro	ach, Pre	ntice Ha	ıll, 2nd I	Edition,
Book:	2005.												
Mapping of Cos with POS	CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5
& PSOs	CO1	S	S	S	S	S	S	S	M	S	S	M	S
	CO2	S	S	S	S	S	S	S	S	S	S	M	S
	CO3	S	S	S	S	S	S	S	S	S	S	S	S
	CO4	S	S	S	S	S	S	S	M	S	S	S	S
	CO5	S	S	S	S	S	S	S	M	S	S	M	S
		<b>.</b>	y Corre	_	. ,			_			Marks		
			tely Co			)		-			marks		
			Correl		W)			-			Mark		
		no Cor	relatior	1 (IN)				-		0 1	Mark		
	<u> </u>												

Course code	P23TCE2C	SEMESTER II	Credits	L	T	P	Hrs					
ELECTIVI	E-III	COMMUNICATION FO	R FASHION BUSINESS	3	4	-	-	4				
Discipline												
Cognitive level	K2 – Under	stand; K3 - Apply; K4: Analyz	ze, K6 - Create									
Learning		ectives of this course are:										
Objectives		dy about communication proces										
	<ul> <li>2. To understand about the importance of listening</li> <li>3. To learn about the business correspondence and presentation skills</li> <li>4. To study the business communication techniques</li> <li>On successful completion of the course, the students will be able to</li> </ul>											
Course												
Learning												
Outcomes	S. No	Outcomes		Don Les Cos	arn	ing						
	CO1 E	Business communication and its	process		]	K2						
	CO2 S	ignificance of active and poor l	istening									
	CO3	application of Presentation skill	S									
	CO4 A	analyze the principles of Busine	ess correspondence									
	l l	application of business commurorrespondence	nication skills for letter									
Units	Course Conto	<u> </u>		1								
	Communication Communication- meaning, Importance and purpose, role of communication in business, main forms of communication business. Types of Communication-Forms of CommunicationVerbal and non- verbal communications - Technology and Business Communication, Communication in Management, effective communication at											
	Workplace – Barriers. Corporate communication  Listening Listening-Definition-Listening Process-Types-Superficial, Appreciative, Focused, Attentive Evaluative, Empathetic-Barriers- Traits of a good Listener, factors contributing to poor listening, Active listening. Technical Writing-Importance, Characteristics. Report writing- objectives and types. Business proposals-definition, types. Note making and writing technique.											

Unit-III	Meeting commun Presenta compon audienc languag	Meetings, Presentation skills  Meetings – Types, Characteristics, Conducting Meetings, Effective meeting, communicating through Visuals.  Tresentation skills- Definition, Importance, features of a good presentation, components of presentation skills-Planning effective presentation- Analyze the udience, Structure, verbal delivery, Body language and movement, form of anguage, equipment's and facilities, verbal and nonverbal, Interacting with udience and managing questions, Rehearsal - Network Etiquette  Susiness Correspondence												
Unit-IV	Busines Busines skills -	siness Correspondence siness Correspondence -Meaning and significance-Principles-Essentials of siness lettersintroduction, format and layout -E-mail- report writing,-writing lls - Elements of business letter- Formats - Types of business letter-Internal, ternal, Routine, Sales, Personalized, Circulars.												
Unit-V	Letter C definition	Letter Correspondence Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence- Letter Correspondence-												
Textbook:	1. R.C.	Bhatia, l	Busines	s comm	unicati	on, An	e's boo	ks Pvt.	Ltd., Ne	ew Delhi	, 2009.			
Reference Book:	publicat  2. Mar	ina Moh ion, Che y Ellen g tion for	ennai, 2 guffey, 1	016. Essentia	ds of co	ommun	ication,				• •		hmi	
		Khanna	a, Busir	ess Cor	nmunic	ations,	Vikas	Publish	ing Hou	ise Pvt.L	td., Noi	da,2015.		
Mapping of Cos	CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5	
with POS	CO1	S	S	S	S	S	S	M	M	S	S	S	S	
& PSOs	CO2	M	S	S	S	S	S	M	S	M	S	S	S	
	CO3	S	S	S	S	S	S	S	S	S	S	S	S	
	CO4	S	S	S	S	S	S	S	S	S	S	S	S	
	CO5	S	S	S	S	S	S	M	S	S	S	S	S	
	Strongly Correlating (S)  Moderately Correlating (M)  Weakly Correlating (W)  No Correlation (N)  - 3 Marks  2 marks  1 Mark  0 mark													

Course	P23TCS1	SEMESTER II	YEAR-I	Credits	L	T	P	Hrs					
code NME		STIDE A CE ODNA MI	ENTATION PRACTICAL	2			4	4					
NME Skill Enha	ncement	SURFACE ORNAMI	ENTATION PRACTICAL	2	-	-	4	4					
Course (SI													
Cognitive	•	y; K4 - Analyze; K5 - Evaluate	; K6 – Create										
level													
Learning	The main of	bjectives of this course are to:											
Objectives	1. To a	equaint students with the know	wledge on application of e	mbellis	hm	ent	s o	n					
		ic surface.											
		nrich garments using dyeing											
		printing and painting  To design garments through proper selection of embroidery stitches											
		lentify the usage of garment acce											
Course		ul completion of the course, the s											
Learning								_					
Outcomes	S. No			Domains of									
		Outcomes		Lear									
				Cogi	nitiv	ve							
	CO1	Designing garments with surface	decoration		K5								
	CO2	Application of dyeing techniques	on garments		K3								
	CO3	Garment designing using print	ting and painting		K6								
	CO4	Evaluate samples produced using	embroidery		K4								
	CO5	Create designs using garment acc	eessories		K6								
	Course Cor	itents											
I	Develop d	esigns on garments for su	rface enrichment of neck	kline/wais	3								
	line/sleeves/	bottom hem line/collars/plackets.	around buttons or button hole	/arm									
	line/pockets using the below embellishment techniques.												
	1. D	1. Dyeing - Tie and dye/ Batik											
	2. Pr	inting – Block/Screen/Stencil											
	3. Pa	inting											

		4 Eml	haoidaa	w. Hon	d/Maa	hina						1			
				ry -Han	iu/iviac	mne									
		5. Smo	ocking												
		6. Lac	e												
		7. App	olique												
		8. Stud	ds/Bea	ds/sequ	ins/mi	rror/sto	one								
				-			rds/tap	es/hucl	kles						
<b>T</b>	1.35						•				0. ***	- 1	2007		
Text Books	1. Mun	unni Srivatsava and Bats for, Embroidery Techniques from East & West, London, 2005.													
	1. Luci	Lucinda Ganderton, Dorothy Wood, The Ultimate Book of Quilting Cross Stitch, Needle craft nnes Publishing Ltd., London, 2005.  Nancy Ziemon, Machine Embroidery with confidence – A beginner's guide, Krause Publications fest Indies, 2005.													
Books															
		,			c ·	Б		•11	1 7 7 1 .	m	1 11	1 400	3 D1 1		
	3. Marg Publish					Decora	ition- S	ilk and	l Velvet,	Textile	handbo	ok, A&C	Black		
Mapping of Cos	CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5		
with POS	CO1	S	S	S	S	S	S	S	S	S	S	M	S		
& PSOs	CO2	S	S	S	S	S	S	S	S	S	S	M	S		
	CO3	S	S	S	S	S	S	S	S	S	S	M	S		
	CO4	S	S	S	S	S	S	S	S	S	S	M	S		
	CO5	S	S	S	S	S	S	S	S	S	S	S	S		
	Strong Modera				)	l	<b>-</b>		_	Marks marks	I	l			
	Weakly	-		_	,		-			marks Mark					
	No Co		_				-		0	mark					

Course	P23TCS1B	SEMESTER II	YEAR-I	Credits	L	T	P	Hrs			
code		ODIVINE AND A G						4			
NME-			CESSORY DESIGNING	2	-	-	4	4			
Skill Enha Course (SI		PRAC	TICAL								
Cognitive		; K5 - Evaluate; K6 – Create									
level	K3 - Apply	, K3 - Evaluate, K0 – Cleate									
Learning	The main ob	jectives of this course are to:									
	1. To create a	and develop ornaments and jewe	ellery.								
	2. To design	ornaments and jewellery for va	rious occasion.								
Course	On successful										
Learning	Ţ.										
Outcomes	S. No	Ou	tcomes				is of	f			
					Lea						
	1	D 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			Cog						
		Designing garments with Fabric		1	K6						
		Application of various ornamer garment styles	its suitable various occasions a	and							
		Ornament designing sui personalities	table to different hur	nan	K6						
		Evaluate over all appearance or	applying ornaments and		K5						
		accessories									
	Course Cont	ents									
I	Create the fo	llowing (Any three)									
	1 Fabrio	accessories - Bag/Stole/Hat/si	hawl/scarf /mask/oloves/any o	thers							
		er accessories - Belt/Shoe/Slipp									
		and Stone accessories - One set	· · ·								
		accessories - Ear ring/ Neckla	ace/ Ring/Bangle/Anklet/Brace	elet							
	/any o	thers f natural waste materials and otl	11 1 1 .	C 1:							
	5. Use of access	g fashion									
		•									
II	Create the fo	llowing ornaments (Any five)									
	1. Oı	naments for Hair									
		naments for Ear									
		naments for Neck									
	4. O ₁										

				C 11:											
	5.			for Hip											
	6.			for Fing	er										
	7.	Orna	iments	for legs											
Ш	Create	set of or	rnamer	its to su	it a dro	ess (An	y one)								
	1.	Set of Br	idal orna	aments											
	2.	Set of orr	naments	for any	special g	garment	s (like fa	ashion si	how, dan	ce costui	me etc)				
Textbook:	1. Jewe	llery Ma	king, A	Compl	ete Cou	ırse for	Beginn	ners, Jir	nks McG	brath, Ap	ple Pres	ss, 2007			
Reference		The Workbench Guide to Jewellery Techniques, Anastasia Young, Thames and Hudson,     2010													
Book:		2. Phyllis G. Tortora, Bina Abling,(2003) The Fairchild Encyclopedia of Fashion													
		<ol> <li>Phyllis G. Tortora, Bina Abling, (2003) The Fairchild Encyclopedia of Fashion Accessories, Fair child Publications</li> <li>Elizabeth Galton, (2012) Jewelry Design: From Fashion to Fine Jewelry, AVA Publishing, Singapore.</li> </ol>													
	4.	3. Rober	t Leach	, (2012)	, The F	Fashion	Resour	rce Boo	k: Resea	arch for	Design,	Thames	&		
		Hudson.			(2002)			~	~						
			-	Frings,	(2002)	Fashio	n from	Conce	ot to Coi	nsumer,	Prentice	Hall Inc	c.,		
		New Jer	•	)003) Т	ha wor	ld of fa	chion n	archar	dicina '	The God	odheart-v	vilcov			
		z. iviai y Compan			ne wor	iu oi ia	SIIIOII II	ilereniai	iuising,	THE GOO	Juneart-V	VIICOX			
		-	•		2012) F	Fashion	. The U	[]timate	Book o	f Costur	ne and S	style.			
		Publishe										<i>J</i> • <i>y</i>			
Monning	CO/	l													
Mapping of Cos	PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5		
with POS	CO1	S	S	S	S	S	S	S	S	S	S	M	S		
& PSOs	CO2	S	S	S	S	S	S	S	S	S	S	M	S		
	CO3	S	S	S	S	S	S	S	S	S	S	M	S		
	CO4	S	S	S	S	S	S	S	S	S	S	M	S		
	CO5	S	S	S	S	S	S	S	S	S	S	S	S		
	]	Strongly Correlating (S)  - 3 Marks  Moderately Correlating (M) - 2 marks  Weakly Correlating (W) - 1 Mark													
		No Correlation (N) - 0 mark													

Course	P23TCS10	SEMESTER II	YEAR-I	Credits	L	T	P	Hrs			
code											
NME- Skill		HAND EMI	BROIDERY	2	4	-	-	4			
Enhanceme	ent Course										
(SEC-1)											
Cognitive level	K2- Under	rstand; K3 - Apply; K6 - Creat	e								
	The main o	bjectives of this course are to:									
<b>Objectives</b>		dy about the Fundamentals of Em	phroidery								
Objectives		•	•								
	2.To und	lerstand the origin of Indian Emb	roidery								
	3. To lear	n about hand and machine embro	oidery stitch types								
	4. To und	lerstand traditional Indian embroi	ideries								
Course	On successfu	al completion of the course, the s	tudents will be able to								
Learning				1				_			
Outcomes	S. No			Doma							
		Outcomes		Lear		$\overline{}$					
				Cognitive							
		Learn about basic hand and mach	<u>_</u>	K2							
		Understand about different Indian	n embroideries and its		K2						
		nistoric importance									
		Γake care and maintain embroide			K3						
		Creation of design for applying e	mbroidery stitches on fabrics		K6						
Units	Course Con	tents									
Unit I	Fundament	als of Embroidery									
		ls of Embroidery, Selection of r									
		gn, Hand embroidery Stitches -									
		ning, Herringbone, Fish bone, F									
		, Fly, Stain, Long and Short, Fi	rench knot, Bullion knot, Dou	ıble knot	,						
	Lettering – A	Alphabets and Monogram work.									
Unit-II N	Machine Er	nbroidery stitches									
l I	Machine Em	abroidery stitches - Running, core	ding, Satin, Long and Short, G	ranite,							
		elet, Cutwork, Letters Monograms, appliqué on net.									
	Гесhnical W	riting-Importance, Characteristic	es Report writing- objectives	and							
	ypes.	amportance, enalacteristic	is risport writing sojectives t								
		posals-definition, types. Note ma	aking and writing technique.								

Unit-III	Special Special Cut Wo fabric a	stitches rk – Be ppliqués	- Coun ad Wor and pla	k – Miracing it	ror Wo	ork – Se	equins	Work.	Designii						
Unit-IV	Origin of Beng Embroid	of Indian gal, Phu dery of	Embro ılkari o Kutch	oidery. E of Punja and Kat	Embroid ab, Kas thiawar	suti of , Zari e	Karnat	aka, C	hikanka	ri of L	uck nov	N			
Unit-V	Care an	re and Maintenance of Embroidery re and Maintenance of Embroidery Articles – Pressing Articles – Frames - Glass Wooden. Estimating, Costing & Marketing of Finished Embroidery Goods.													
Textbook:	1. Mary	. Mary Mathews, Practical clothing construction -Part I, II, 1986, Cosmic Press, Chennai													
Reference Book:	2. 1 3. 1 4. 1	Bombay.  2. DorrisFlyn, Costumes of India, 1971, xford&IBH Publishing Co ,Delhi  3. Das S.N , Costumes of India and Pakistan, 1956, DB Taraporevala Sons and co, Bombay  4. Encyclopedia of Embroidery Stitches Including Crewel, 1974, Dover Publications													
Mapping of Cos	CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5		
with POS	CO1	S	S	S	S	S	S	S	S	S	S	M	S		
& PSOs	CO2	S	S	S	S	S	S	S	S	S	S	M	S		
	CO3	S	S	S	S	S	S	S	S	S	S	M	S		
	CO4	S	S	S	S	S	S	S	S	S	S	M	S		
	CO5	S	S	S	S	S	S	S	S	S	S	S	S		
	Strongly Correlating (S)  Moderately Correlating (M)  Weakly Correlating (W)  No Correlation (N)  - 3 Marks  2 marks  1 Mark  0 mark														