

DEPARTMENT OF COSTUME DESIGN & FASHION

VISION

- To transform the rural based students through career focused creative design education.

MISSION

- To impart professional education covering the whole spectrum of activities in the realm of Fashion & Textile Design and Management.
- To nurture an inspiring and student-centered learning.
- To provide holistic knowledge through industrial linkages with social responsibility.
- To empower learners through training and skill development.
- To create employable, productive and profit-making professionals.

PROGRAMME OUTCOMES

After the completion of the programme the student will be able to

- PO1** adopting fashion and fabric design process knowledge.
- PO2** assess, propose and apply designing and constructing techniques to develop product prototype.
- PO3** relate the design process with Industrial and processing knowledge.
- PO4** promote the design ideas into commercials by articulating the ideas and by applying traditional practices and methods to add value to a product.
- PO5** locate, analyze and synthesize market research and apply the data to delineate the needs of specific market.
- PO6** develop strong multifunctional teamwork and communication skill using visual and verbal presentation.
- PO7** engage in life-long learning, understanding of contemporary and emerging issues relevant to their domain.

PROGRAMME EDUCATIONAL OBJECTIVES

The objectives of this programme are to equip/prepare the student to become

- PEO1** a confident young Entrepreneur or Designer with his or her own designs and garment Industry professional who will excel in the job responsibility entrusted on him or her.
- PEO2** a confident and comprehensive academician having completed postgraduate program with strong portfolio and freelance Consultant who helps the core and allied industry or designer in a specific design domain with their expertise.
- PEO3** an educator or Trainer in fashion schools or organizations imparting and sharing the knowledge acquired by them and dynamic and confident individuals who excel in any profession they have undertaken due to their strong foundation.

PROGRAMME SPECIFIC OUTCOMES

- PSO1** The students will have strong foundation in designing and have the ability to visually represent it by illustrations, photographs, graphics and visual display of merchandise.
- PSO2** The students will be able to convert their design into a product or a garment using appropriate construction techniques.
- PSO3** The students will be able to understand and analyze the market trends and design market friendly, sustainable, ethically viable and client friendly designs and products and they will be able to work as a team in any organization and become accomplished successful Designers, Entrepreneurs or Industry ready professionals.

GRADUATE ATTRIBUTES

- 1) **Fashion and Textile Knowledge:**
Clear understanding of Fashion and Textile designing.
- 2) **Designing and Developing Skill:**
Creative and prototype product development skills.
- 3) **Industrial exposure:**
Practical insights of processes involved in Textile and Apparel industries.
- 4) **Value Addition Skill:**
Working skill on conventional and digital media tools and techniques.
- 5) **Designing with social awareness:**
Knowledge and critical understanding of the emerging principles and ethical issues of the fashion and textile disciplines.
- 6) **Communication Skills:**
Effective verbal communication and visual presentation skills.
- 7) **Life Long Learning:**
Entrepreneurial and Managerial skills.

PROGRAMME STRUCTURE FOR COSTUME DESIGN AND FASHION

(For those admitted from the Academic year 2023-2024 and onwards)

Category	Course Type	Course Code	Course Title	Contact Hours	Exam Hours	Marks			Credits
						CIA	ESE	Total Marks	
Semester-1									
PART-I	Language	U23TA1L1	Tamil– I	6	3	25	75	100	3
PART-II	English	U23EN1L1	English – I	6	3	25	75	100	3
PART-III	Core-1	U23CF101	Fashion Designing Concepts	5	3	25	75	100	5
	Core-2 (Core Lab 1)	U23CF1P1	Fashion Illustration	3	3	40	60	100	3
	Elective Generic-1 (Allied)	U23CF1A1	Fundamentals of Apparel Designing	6	3	25	75	100	4
PART-IV	Skill Enhancement Course SEC1(NME-1)	U23CF1S1	Surface Embellishment-I	2	-	50	-	50	2
	Foundation Course	U23FC101	Fundamentals of Apparel Construction	2	-	50	-	50	2
TOTAL				30				600	22
Semester-II									
PART-I	Language	U23TA2L2	Tamil– II	6	3	25	75	100	3
PART-II	English	U23EN2L2	English – II	6	3	25	75	100	3
PART-III	Core-3	U23CF202	Pattern Making and Grading	5	3	25	75	100	5
	Core-4 (Core Lab 2)	U23CF2P2	Construction of Children’s Wear	3	3	40	60	100	3
	Elective Generic -2 (Allied)	U23CF2A2	Fibre to Fabric	6	3	25	75	100	4
	Comprehension - 1(Self Study Course-Online Exam)	U23CF2C1	Comprehension in Costume Design and Fashion– I	-	1	-	50	50	1

PART-IV	Skill Enhancement Course SEC2(NME – 2)	U23CF2S2	Surface Embellishment- II	2	-	50	-	50	2
	Skill Enhancement Course SEC3(DSC)	U23CF2SP	Fibre to Fabric Analysis(P)	2	2	-	50	50	2
TOTAL				30				650	23
Semester-III									
PART-I	Language	U23TA3L3	Tamil– III	6	3	25	75	100	3
PART-II	English	U23EN3L3	English - III	6	3	25	75	100	3
PART-III	Core-05	U23CF303	Technology of Apparel Manufacturing	5	3	25	75	100	5
	Core-06 (Core Lab 3)	U23CF3P3	Construction Women's Wear	3	3	40	60	100	3
	Elective Generic -3 (Allied)	U23CF3A3	Care and maintenance of textile	4	3	25	75	100	3
	Elective Generic Lab-1	U23CF3AP	Clothing care-Lab	2	3	40	60	100	1
PART-IV	Skill Enhancement Course SEC4 (DSC)	U23CF3SP	Entrepreneurial Based-Household Apparels	2	-	50	-	50	2
	Ability Enhancement compulsory Course –1	U23AE301	Environmental Studies	2	-	50	-	50	2
TOTAL				30				700	22
Semester-IV									
PART-I	Language	U23TA4L4	Tamil– IV	6	3	25	75	100	3
PART-II	English	U23EN4L4	English– IV	6	3	25	75	100	3
PART-III	Core-07	U23CF404	Computer Application in Apparel Industry	3	3	25	75	100	3
	Core-08 (Core Lab – 4)	U23CF4P4	Computer Application in Designing	3	3	40	60	100	3
	Elective Generic - 4(Allied)	U23CF4A4	Historic Costume and Textiles	4	3	25	75	100	3

	Elective Generic Lab-2	U23CF4AP	Surface Embellishments	2	3	40	60	100	1
	Comprehension – 2 (Self Study Course-Online Exam)	U23CF4C2	Comprehension in Costume Design and Fashion – II	-	1	-	50	50	1
PART-IV	Skill Enhancement Course SEC5 (DSC)	U23CF4S3	Textile Wet Processing	2	2	-	50	50	2
	Skill Enhancement Course SEC6 (DSC)	U23CF4SP	Textile Wet Processing-Lab	2	2	-	50	50	2
	Ability Enhancement compulsory Course –2	U23AE402	Yoga and Value Education	2	-	50	-	50	2
	Internship/Industrial Visit /Field visit (carried out during II-year summer vacation -2 weeks duration)	U23CF5IT	Summer Internship/ Internship/Industrial Training/Mini Project	-	Completion			-	-
TOTAL				30				800	23
Semester-V									
PART-III	Core-09	U23CF505	Quality Control in Apparel Production	5	3	25	75	100	4
	Core-10	U23CF506	Knitting Technology	5	3	25	75	100	4
	Core-11 (Core Lab 5)	U23CF5P5	Construction of Men's Wear	5	3	40	60	100	4
	Core Elective-1	U23CF5E1A	Technical Textiles	4	3	25	75	100	3
		U23CF5E1B	Apparel brand management						
		U23CF5E1C	Fashion and apparel marketing						
	Core Elective-2	U23CF5E2A	Home Textiles	4	3	25	75	100	3
		U23CF5E2B	Fashion accessories						

		U23CF5E2C	Art portfolio						
	Core-12 Major Project	U23CF5MP	Major Group Project with Viva Voce	5	3	40	60	100	5
PART-IV	Skill Enhancement Courses SEC7 (DSC)	U23CF5SP	Principles of interior decoration	2	2	-	50	50	2
	Proficiency Enhancement Course (Self- Study Course)	U23GS5SS	General Studies	-	-	Completion			2
	Internship/Int uition training/ Mini project	U23CF5IT	Internship//Intui tion Training/Mini Project	-	-	40	60	100	2
	MOOC/Spoken Tutorial (Self Study Course - online)			-	Completion			-	2
	TOTAL			30				750	31
Semester-VI									
PART-III	Core-13	U23CF607	Apparel Export Trade Documentation	5	3	25	75	100	4
	Core-14	U23CF608	Fashion Retail Business	5	3	25	75	100	4
	Core - 15	U23CF609	Wardrobe Planning	6	3	25	75	100	5
	Core – 16 (Core Lab 6)	U23CF6P6	Fashion Draping	4	3	40	60	100	3
	Core Elective-3	U23CF6E3A	Apparel Merchandising and Costing	4	3	25	75	100	3
		U23CF6E3B	Fashion apparel merchandising						
		U23CF6E3C	Apparel production management						
	Core Elective-4	U23CF6E4A	Surface Ornamentation and Portfolio	4	3	25	75	100	3
		U23CF6E4B	Beauty care and therapies						

		U23CF6E4C	Embroidery and surface enrichment						
	Comprehension – III (Self Study Course-Online Exam)	U23CF6C3	Comprehension in Costume Design and Fashion – III	-	1	-	50	50	1
PART-IV	Professional Competence Skill Enhancement Course (SEC-8)	U23CFPC1	MS-Office	2	2	-	50	50	2
	Extra Department Course Open Elective – (Self Study Course)	To be selected from the courses offered by other departments		1	0	0	100	100	3
PART-V	Extension Activities – NSS, NCC, YRC, Physical Education			-	Completion			-	1
	NCC *			-	-	-	-	-	-
TOTAL				30				800	29
Grand Total				180					150

*As per the UGC norms those students who opt NCC under extension activities will be studying the presented syllabi of the UGC which will include theory, practical and camp components such students who quality the prescribed requirements will earn in additional 24 credits.

**Part-III B.Sc. Costume Design & Fashion / Semester – III / Core-5:
TECHNOLOGY OF APPAREL MANUFACTURING – (U23CF303)**

Lecture Hours	: 70	Tutorial Hours	: 5
Practical Hours	: -	No. of Credits	: 4
Contact Hours per Semester	: 75		
Contact Hours per Week	: 5		
Internal Marks	: 25		
External Marks	: 75		
Total Marks	: 100		

Objectives of the Course

- To familiarize students with various processes involved in apparel manufacturing.
- To gain knowledge about machines and standards used in apparel industry.

Course Learning Outcomes (for Mapping with POs and PSOs)

On completion of the course the students will be able to

CO1 identify the sequence of process and machineries involved in apparel manufacturing.

CO2 explain the working of various equipment and machineries used in apparel manufacturing.

CO3 apply the working of machineries, sewing and stitches as per British Standards in Apparel Industries.

CO4 classify the types and equipment used for various processes in apparel manufacturing technology.

CO5 evaluate the technology used in apparel manufacturing nowadays with the conventional one.

CO-PO-PSO Mapping (Course Articulation Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
CO1	3	3	3	2	1	3	2	3	3	3
CO2	3	3	3	2	1	3	2	3	3	3
CO3	3	2	2	1	3	2	3	3	3	3
CO4	2	3	3	2	1	3	2	3	3	3
CO5	2	3	3	3	3	3	3	3	3	3
Total contribution to CO to PO	13/15	14/15	14/15	10/15	9/15	14/15	12/15	13/15	8/15	14/15
Weighted Percentage of course Contribution to POs	86.6	93.3	93.3	66.6	60	93.3	80	100	100	100
0-No Correlation	1-Weak			2-Moderate			3-Strong			

Course Content

Unit I Spreading and Marking

(L-14hrs ; T-1hr)

Introduction to apparel manufacture- Brief study of sequence of process. Spreading – Spreading methods and tools used for spreading, types of spreading. Marking methods – positioning marking, types of markers, efficiency of a marker plan and requirements of marker planning.

Unit II Cutting

(L-14hrs ; T-1hr)

Cutting technology – definition and objectives. Cutting equipment –hand shears, Straight knife cutting machines, Round knife cutting machines, Band knife cutting machine, notches, computer controlled cutting knives, die cutting, laser cutting, plasma cutting, water jet cutting, ultrasonic cutting.

Unit III Sewing

(L-14hrs ; T-1hr)

Sewing machine – types. Industrial - Single needle Lock Stitch, Double Needle Lock Stitch, Overlock, Flat Lock, Bar tacking, Button hole making machine, Button fixing, blind stitch machines.

Unit IV Principles of Sewing

(L-14hrs ; T-1hr)

Embroidery machine- Free-Motion Machine Embroidery, Computerized Machine Embroidery. Seams and Stitches– Seams – eight classes Stitches – six stitch classes. Fusing – Purpose of interlining – Requirements of fusing –Fusing process. Fusing machinery and equipment's, Methods of fusing.

Unit V Pressing and Packaging

(L-14hrs ; T-1hr)

Pressing – Introduction, Classifications of pressing, Types of machinery and equipment – hand irons, under pressing and top pressing. Garment Packaging- Functional Requirements, Sales Requirements, Types of Garment Packing in Finishing Section.

Recommended Texts:

1. Mary Mathews Practical Clothing Construction – Part I and II Cosmic press, Chennai.
2. Harold Carr and Barbara Latham, The Technology of clothing Manufacture, Blackwell Science, second edition, 1994.

Reference Books:

1. Gerry Cooklin, Introduction to clothing Manufacture, Blackwell Science, 1996
2. Gerry Cooklin, Garment Technology for fashion designers, Blackwell Science Ltd 1996.

Website and E-learning sources

1. <https://textilelearner.net/process-sequence-of-garment-manufacturing/>
2. <https://www.onlineclothingstudy.com/2017/07/garment-manufacturing-process-fabric-to-fashion.html>

Part-III B.Sc. Costume Design & Fashion / Semester – III / Core –6

CORE LAB 6: CONSTRUCTION OF WOMEN’S WEAR- (U23CF3P3)

Lecture Hours	: -	Tutorial Hours	: -
Practical Hours	: 45	No. of Credits	: 3
Contact Hours per Semester	: 45		
Contact Hours per Week	: 3		
Internal Marks	: 40		
External Marks	: 60		
Total Marks	: 100		

Objectives of the Course

- To make designs and patterns for various styles of women’s wear.
- To estimate the fabric requirement for garment based on its style and suitable layout methods for the effective utilization of fabric and to apply various sewing techniques for achieving the finest garment finishing.

Course Learning Outcomes (for Mapping with POs and PSOs)

On completion of the course the students will be able to

CO1 identify and understand selection of suitable fabric for garment construction.

CO2 apply the measurements to draft a basic block pattern for women’s wear.

CO3 analyze the drafting procedure for different styles.

CO4 evaluate the fabric requirement and cost calculation based on the garment style.

CO5 create and construct different style variations from the basic block pattern.

CO-PO-PSO Mapping (Course Articulation Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
CO1	2	3	2	2	2	3	2	3	3	3
CO2	3	3	3	3	2	3	3	3	3	3
CO3	2	2	2	3	2	2	3	3	3	3
CO4	2	3	2	3	3	3	3	3	3	3
CO5	3	3	3	3	3	3	3	3	3	3
Total contribution to CO to PO	12/15	14/15	12/15	14/15	12/15	14/15	14/15	15/15	15/15	15/15
Weighted Percentage of course Contribution to POs	80	93.3	80	93.3	80	93.3	93.3	100	100	100

0-No Correlation

1-Weak

2-Moderate

3-Strong

Course Content

- Designing, drafting and constructing the following garments with the features prescribed.
- List the required measurement, Suitable material for the garment.
- Required material for the garment- layout method and direct measurement method.
- Cost calculation for the garment.

- | | |
|---|------------|
| 1. Saree Petticoat- Six Panel, Decorated bottom. | (P – 6hrs) |
| 2. Skirts – Circular/ panel/ pleated with style variations. | (P – 7hrs) |
| 3. Salwar / Churidhar/ Parallels. | (P – 6hrs) |
| 4. Kameez – with /without slit, style variation in neck and sleeves. | (P – 7hrs) |
| 5. Blouse- front open, style variation in neck, Waist band at front, with sleeve. | (P – 7hrs) |
| 6. Ladies pant- waist band, tight fitting / parallel pants, with or without zip | (P – 6hrs) |
| 7. Gown- With or without yoke, style variation in neck, A-line/panel/circular, decorated bottom and sleeve. | (P – 6hrs) |

Recommended Texts:

1. Dr.Ambedkar Road Dadar. Easy cutting –Juvekar commercial Tailors Corporation pvt 1666
2. Dr. Ambedkar Road Dadar Commercial system of cutting - Juvekar commercial Tailors Corporation pvt.1666
3. K.R Zarapker -Zarapker system of cutting, Navneet publication ltd.

Reference Books:

1. Cooklin and Gerry-Pattern Cutting Form Women’s Outerwear,USA: Black Well Science, 1996
2. Practical Clothing Constructions (designing Drafting and Tailoring), Mathews, Mary, Karaikudi,Sree Meenakshi Publications, 1985.
3. Sodhia, Manmeet Garment Construction- -Delhi: Kalyani Publishers, 2003

Website and E-learning sources

1. <https://www.fibre2fashion.com/industry-article/3730/fashion-designing-the-then-and-now>

**Part-III B.Sc. Costume Design & Fashion / Semester – III / Elective Generic - 3:
CARE AND MAINTENANCE OF TEXTILE – (U23CF3A3)**

Lecture Hours	: 55	Tutorial Hours : 5
Practical Hours	: -	No. of Credits : 3
Contact Hours per Semester	: 60	
Contact Hours per Week	: 4	
Internal Marks	: 25	
External Marks	: 75	
Total Marks	: 100	

Objectives of the Course

- To enlighten the students on pre-processing, processing and post-processing of fabric finishing treatments.
- To impart fundamental knowledge of clothing care label.

Course Learning Outcomes (for Mapping with POs and PSOs)

On completion of the course the students will be able to

CO1 identify the requirements, equipment and methods of clothing care.

CO2 understand the steps, equipment and methods used in clothing care.

CO3 apply the methods with the help of equipment are there in care of the clothing.

CO4 analyze the ways of caring of clothing in different approaches.

CO5 evaluate the procedures and methods used in clothing care.

CO-PO-PSO Mapping (Course Articulation Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
CO1	3	3	3	3	3	3	3	3	3	3
CO2	2	2	3	2	2	2	2	3	2	2
CO3	2	3	3	3	2	3	2	3	3	3
CO4	3	2	3	2	3	2	3	3	2	2
CO5	2	3	2	3	2	3	3	3	3	2
Total contribution to CO to PO	12/15	13/15	14/15	13/15	12/15	13/15	13/15	15/15	13/15	12/15
Weighted Percentage of course Contribution to POs	80	86.6	93.3	86.6	80	86.6	86.6	100	86.6	80

0-No Correlation

1-Weak

2-Moderate

3-Strong

Course Content

Unit I Clothing Care Essentials

(L-11hrs ; T-1hr)

Water- hard and soft water, Determination of water hardness methods of softening water. Zeolite or Base exchange method. Laundry Cl soaps – Manufacture of soap and methods, composition of soap, types of Soap, soap less detergents, chemical action, detergent manufacture, advantages of detergents. Difference between soap and detergents.

Unit II Laundry And Drying Equipment

(L-11hrs ; T-1hr)

Laundry equipment and reagents: Study of laundry equipment and laundry reagents - soaps - detergents - cleaning action of soaps, indigenous cleaning agents - rita nut - shikakai - green gram - bran solution – study of modern and industrial cleaning agents.

Unit III Finishes And Stiffening Agents

(L-11hrs ; T-1hr)

Stiffening Agents: Study of stiffening agents –purpose of stiffening-classification of stiffening Agents preparation and uses of stiffeners – natural and commercial starches – Preparation of starch for use – bleaching agents - bluing and tinting agents and their application–optical whiteners.

Unit IV Principles Of Washing And Care Labels

(L-11hrs ; T-1hr)

Washing Machine and Care Labels: Study of different types of house hold/industrial washing machine- rotary - swirling - pressure - tumble wash etc; the various systems of care labeling -washing instruction. Bleaching instruction – drying instruction-ironing instruction-dry cleaning instruction. Placement of labels on garments.

Unit V Special Types Of Stain Removal

(L-11hrs ; T-1hr)

Stain Removal: Principles of laundering – stain removal – various solvents for stain removing blood, tea, rust; oil/grease etc. – different methods of washing - application of friction by hand rubbing - scribing - tumble wash. General rules and ways of stain removal.

Recommended Texts

1. Noemia. D’Souza, Fabric Care-New age International (P) ltd., Publishers, Chennai 1998.
2. Gupta etal, Text Book of Clothing, Textiles and Laundry, 5th edition, Kalyani publishers, New Delhi, 2006.

Reference Books

1. Wingate I B, -Textiles fabrics and their Selection –Allied publishers Ltd, Chennai.
2. Sushela Dantyagi-Fundamentals of textiles and their care by (5th edition), , Orient Long man ltd, New Delhi.
3. John Wiley & Sons I n c,-Illinois.Family Clothing – Tate of Glession,
4. Durga Duelkar, Amla ram & Sons Household Textiles and Laundry Work

Website and E-learning sources

1. <https://www.fibre2fashion.com/industry-article/6939/care-labeling-in-apparels-and-textiles>.

**Part-III B.Sc. Costume Design & Fashion / Semester – III / Elective Generic Lab 3:
CLOTHING CARE – (U23CF3AP)**

Lecture Hours	: -	Tutorial Hours	: -
Practical Hours	: 30	No. of Credit	: 1
Contact Hours per semester	: 30		
Contact Hours per week	: 2		
Internal Marks	: 50		
External Marks	: -		
Total Marks	: 50		

Objectives of the Course

1. To describe the soaps and detergents.
2. To describe the procedure of removing different stains from different fabrics.

Course Learning Outcomes (for Mapping with POs and PSOs)

On completion of the course the students will be able to

CO1 identify the requirements, equipment and methods of clothing care.

CO2 understand the steps, equipment and methods used in clothing care.

CO3 apply the methods with the help of equipment are there in care of the clothing.

CO4 analyze the ways of caring of clothing in different approaches.

CO5 evaluate the procedures and methods used in clothing care.

CO-PO-PSO Mapping (Course Articulation Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
CO1	3	3	3	2	3	3	3	3	3	3
CO2	2	2	3	2	2	2	2	3	2	2
CO3	2	3	3	2	2	2	2	3	3	3
CO4	3	2	3	2	3	3	3	3	2	2
CO5	2	2	2	2	2	2	3	3	3	2
Total contribution to CO to PO	12/15	12/15	14/15	10/15	12/15	12/15	13/15	15/15	13/15	12/15
Weighted Percentage of course Contribution to POs	80	80	93.3	66.7	80	80	86.6	100	86.6	80

0-No Correlation

1-Weak

2-Moderate

3-Strong

Course Content

- | | |
|---|----------|
| 1. Preparation of soap (hot and cold) | (P-3hrs) |
| 2. Preparation of blues | (P-2hrs) |
| 3. Preparation of starch (hot and cold) | (P-3hrs) |
| 4. Stain removal | |
| ○ Food stain | (P-2hrs) |
| ○ Fruit stain | (P-2hrs) |
| ○ Vegetable stain | (P-2hrs) |
| ○ Milk stain | (P-2hrs) |
| ○ Oil stain | (P-2hrs) |
| ○ Chocolate stain | (P-2hrs) |
| ○ Iron stain | (P-2hrs) |
| ○ Henna stain | (P-2hrs) |
| ○ Lipstick stain | (P-2hrs) |
| ○ Black lead & ball point pen stain | (P-2hrs) |
| ○ Nail polish stain | (P-2hrs) |

Recommended Texts

1. Noemia. D'Souza, Fabric care, New age International (P) Ltd., Publishers, Chennai 1998.
2. Gupta et al, Text Book of Clothing, Textiles and Laundry, 5th edition Kalyani publishers, New Delhi, 2006.

Reference Books

1. Wingate I B-Textiles fabrics and their Selection –, Allied publishers Ltd, Chennai.
2. Sushela Dantyagi,-Fundamentals of textiles and their care by (5th edition), Orient Long man ltd, New Delhi.
3. John Wiley-Family Clothing – Tate of Glession, & Sons I n c, Illinois.
4. Durga Duelkar-Household Textiles and Laundry Work –, Amla ram & Sons

Website and E-learning sources

1. <https://www.fibre2fashion.com/industry-article/6939/care-labeling-in-apparels-and-textiles>

Part-IV B.Sc. Costume Design & Fashion / Semester – III /Skill Enhancement
Course – SEC4 (DSC) Practical:
Entrepreneurial Based-HOUSEHOLD APPARELS – (U23CF3SP)

Lecture Hours	: -	Tutorial Hours	: -
Practical Hours	: 30	No. of Credits	: 2
Contact Hours per Semester	: 30		
Contact Hours per Week	: 2		
Internal Marks	: 50		
External Marks	: -		
Total Marks	: 50		

Objectives of the Course

- To understand about textile application in home.
- To learn about various categories of home textiles and their selection.

Course Learning Outcomes (for Mapping with POs and PSOs)

On completion of the course the students will be able to

CO1 remember and Understand about various applications of home textiles for home interiors

CO2 apply to the curtain and draperies suitable for various types of doors and windows.

CO3 analyze the various types of soft furnishings for kitchen and dining room recent trends in home textiles.

CO4 evaluate the suitable furnishings that can be used for wall and floor covering

CO5 create new design for furnishing and decorations used for living room and bed room.

CO-PO-PSO Mapping (Course Articulation Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
CO1	2	2	2	2	2	2	3	3	3	3
CO2	2	2	2	3	2	2	2	3	2	3
CO3	2	2	2	2	2	1	2	3	3	3
CO4	3	3	2	2	3	2	3	3	2	3
CO5	3	2	2	2	2	1	2	3	3	3
Total contribution to CO to PO	12/15	11/15	10/15	11/15	11/15	8/15	12/15	15/15	14/15	15/15
Weighted Percentage of course Contribution to POs	80	73.3	66.6	73.3	73.3	53.3	80	100	93.3	100

0-No Correlation

1-Weak

2-Moderate

3-Strong

Course Content

I. Living Room Furnishing

(P-13hrs)

- Sofa cover
- Table linen
- Cushion & cushion cover
- Wall hanging
- Curtains
- Floor mat

II. Bedroom Furnishing

(P-9hrs)

- Bed Spread
- Bed Cover
- Pillow & Pillow Cover

III. Kitchen Furnishing

(P-8hrs)

- Mitten
- Fridge cover
- Mixer cover
- Apron

Recommended Texts:

1. Cheryl Mendelson, Home Comforts-the arts and science of keeping home, published by Scriber, New York, 2005.
2. Hamlyn octopus, Cushions and Pillows- professional skills –made easy, Octopus publishing group, New York, 2001.
3. Magi Mc McCormick Gordon, the ultimate sewing Book 200 sewing ideas for you and your home, Collins and Brown, London,2002.

Reference Books:

1. Anne van Wagner Childs Leisure Arts- Inc., Sew no more Home Décor, Arkansas, U.S.A,1993.
2. Mary Mulasi, Garments with style, Chiton Book Company, Pennsylvania, 1995.
3. Rhoda J.Murphy, House Beautiful-A seasonal guide to decorating with fabric, Quadrille publishing Ltd, New York, 1997.

Website and E-learning sources

1. <https://in.docworkspace.com/d/sAJ86RUOY6cRoltzSnKmnFA>
2. <https://www.fibre2fashion.com/industry-article/1769/home-textiles-a-review>
3. <https://textilevaluechain.in/news-insights/sustainable-fibres-for-home-furnishings/>
4. <https://luxiders.com/sustainable-textiles/>

Part-III B.Sc. Costume Design & Fashion / Semester – IV /Core 7:

COMPUTER APPLICATION IN APPAREL INDUSTRY- (U23CF404)

Lecture Hours	: 40	Tutorial Hours : 5
Practical Hours	: -	No. of Credits : 3
Contact Hours per Semester	: 45	
Contact Hours per Week	: 3	
Internal Marks	: 25	
External Marks	: 75	
Total Marks	: 100	

Objectives of the Course

- To facilitates an understanding about the role of computer in garment industry and orients the learners in the field of design.
- The learners are expected to know the application of computer in pattern making and grading in textile industry.

Course Learning Outcomes (for Mapping with POs and PSOs)

On completion of the course the students will be able to

CO1 identify the role and areas of application of computer in apparel industry.

CO2 summarize the use of computers in apparel industry.

CO3 apply computer in various stages such as designing, pattern making and grading et

CO4 analyse the role of computers in various processes in apparel production.

CO5 evaluate the accuracy, speed, time of work done with the help of computers in apparel industry.

CO-PO-PSO Mapping (Course Articulation Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
CO1	2	3	2	3	2	2	2	3	3	3
CO2	2	2	3	2	2	2	2	3	2	3
CO3	3	3	2	2	2	2	2	3	3	3
CO4	2	3	2	1	2	1	2	2	2	3
CO5	2	2	3	3	2	1	2	3	2	3
Total contribution to CO to PO	11/15	13/15	12/15	11/15	10/15	8/15	10/15	14/15	13/15	15/15
Weighted Percentage of course Contribution to POs	73.3	86.6	80	73.3	66.6	53.3	66.6	93.3	86.6	100

0-No Correlation

1-Weak

2-Moderate

3-Strong

Course Content

Unit I Classification of Computers

(L-8hrs ; T-1hr)

Basic of computers, computer generations, computer specification, organization of computer sections. Types of storage devices (Primary and Secondary), input devices, output devices.

Unit II Role of Computers

(L-8hrs ; T-1hr)

Role of computers in fashion industry-Information flow – CAD, CAM, CIM, CAA,PPC – Definition and Functions. Computers in production planning and production scheduling, computerized colour matching system.

Unit III Cad in Designing

(L-8hrs ; T-1hr)

Textile designing – Weaving, knitting and printing, Creating embroidery designs. Garment designing -2D and 3D forms.

Unit IV Cad in Pattern Making and Grading

(L-8hrs ; T-1hr)

CAD in Pattern making and grading – system description – information flow – process involved pattern making, process involved in pattern grading.

Unit V Computer Application

(L-8hrs ; T-1hr)

Computer application in fabric defect checking, laying / spreading, cutting marker planning, labelling –parts and functions, Computerized sewing machines, digital marketing in apparel industry.

Recommended Texts

1. Haan – Gruilen Clothing Technology, Hannelore Eberle et al, Verlaag Europa – Lehrmittel, Vollmer GmbH & Co 4287,.
2. P K Sinha Computer Fundamentals –, BPB Publications, Delhi 1992.

Reference Books

1. Harold Carr and Barbara Latham- the technology of clothing manufacture –, Blackwell Ltd 1994.
2. Gerry Cooklin Pattern Grading for Women's Cloths the Technology of sizing - Blackwell Science Ltd 1990.

Website and E-learning sources

1. <https://www.fibre2fashion.com/industry-article/5313/importance-of-computers-in-fashion-design>
2. https://en.wikipedia.org/wiki/Digital_marketing
3. <https://www.digitalvidya.com/blog/digital-marketing-for-fashion-industry-a-complete-guide/>

**Part-III B.Sc. Costume Design & Fashion / Semester – IV / Core-8: Core Lab 4:
COMPUTER APPLICATION IN DESIGNING- (U23CF4P4)**

Lecture Hours	: -	Tutorial Hours : -
Practical Hours	: 45	No. of Credits : 3
Contact Hours per Semester	: 45	
Contact Hours per Week	: 3	
Internal Marks	: 40	
External Marks	: 60	
Total Marks	: 100	

Objectives of the Course

- To practice the method of garment designing using CAD software.
- To create the motifs and garment design in computer with own ideas.

Course Learning Outcomes (for Mapping with POs and PSOs)

On completion of the course the students will be able to

CO1 explain the tools available in CAD software

CO2 apply the various tools and commands in CAD.

CO3 categorize the different garment styles can be done in the CAD software

CO4 determine the use of various flyouts used to draw garment designs.

CO5 create the different styles of garment designs.

CO-PO-PSO Mapping (Course Articulation Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
CO1	3	3	2	3	3	2	2	3	3	3
CO2	1	3	2	3	2	1	2	3	2	3
CO3	2	1	2	2	2	2	2	3	3	3
CO4	1	2	3	2	2	2	2	3	2	2
CO5	2	3	3	2	3	1	2	3	2	3
Total contribution to CO to PO	9/15	12/15	12/15	12/15	12/15	8/15	10/15	15/15	13/15	14/15
Weighted Percentage of course Contribution to POs	60	80	80	80	80	53.3	66.6	100	86.6	93.3

0-No Correlation

1-Weak

2-Moderate

3-Strong

Course Content

Create the following designs

1. Motifs / small designs. (P – 5hrs)
 - Embroidery design for kerchiefs
 - Embroidery design for Neckline
2. Two styles of Children's Garments (P – 5hrs)
 - Frocks
 - Middi and Tops
3. Three styles Women's Garments (P–5hrs)
 - Salwar and Kameez
 - Maxi
 - Princess line Dress
4. Three Styles of Men's Wear (P–5hrs)
 - T- Shirt
 - Shirt
 - Kurta and pyjamas
5. Create logos for branded Companies. (P–4hrs)
6. Create brand and Wash Care label for garments. (P–5hrs)
7. Prepare pattern, Grading and Marker Planning for T-shirt. (P–8hrs)
8. Prepare pattern, Grading and Marker Planning for Knitted Pant. (P–8hrs)

Recommended Texts:

1. M. Geetha -Corel Draw Training Guide Paperback – June 18, 2018
2. Ellen Lupton and Jennifer Cole Graphic Design: The New Basics: Second Edition Phillips Jul 14, 2015.

Reference Book:

1. Aldrich, Winifred, Cad in Clothing and Textiles, United Kingdom: B Blackwell Science, 1992

Website and E-learning sources

1. <https://www.coreldraw.com/en/learn/tutorials/design-with-coreldraw-app/>
2. <https://www.coreldraw.com/en/learn/tutorials/creating-t-shirt-design-and-mockup/>

**Part-III B.Sc. Costume Design & Fashion / Semester – IV / Elective Generic 4:
HISTORIC COSTUME AND TEXTILES – (U23CF4A4)**

Lecture Hours	: 55	Tutorial Hours	: 5
Practical Hours	: -	No. of Credits	: 3
Contact Hours per Semester	: 60		
Contact Hours per Week	: 4		
Internal Marks	: 25		
External Marks	: 75		
Total Marks	: 100		

Objectives of the Course

- To identify the different costumes of different states of India and relate the cultural heritage of India with the traditional costumes.
- To relate the Indian jewellerys with the historic period and learn the traditional embroideries of India.

Course Learning Outcomes (for Mapping with POs and PSOs)

On completion of the course the students will be able to

CO1 recognize the dyed and printed textiles of India and discover the beginning and origin of costumes.

CO2 apply the traditional embroideries of India.

CO3 compare and contrast the various costumes of India

CO4 appraise the jewelries of India

CO5 create the traditional saree in India

CO-PO-PSO Mapping (Course Articulation Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
CO1	1	1	3	1	2	1	2	3	3	3
CO2	2	3	2	3	2	3	2	3	3	3
CO3	3	3	3	3	2	2	3	3	3	3
CO4	2	3	3	3	3	2	3	3	3	2
CO5	2	3	3	3	3	3	3	3	3	3
Total contribution to CO to PO	10/15	13/15	14/15	13/15	12/15	11/15	13/15	15/15	15/15	14/15
Weighted Percentage of course Contribution to POs	66.6	86.6	93.3	86.6	80	73.3	86.6	100	100	93.3

0-No Correlation

1-Weak

2-Moderate

3-Strong

Course Content

Unit I Fashion Evolution

(L-10hrs)

Beginning of Costume- Growth of Dress out of painting, cutting, scaring and marking. Ancient Greek- costumes and accessories. Ancient Roman- costumes and accessories Ancient Egyptian – costumes and accessories.

Unit II Dyed and Printed Textiles of India

(L-10hrs; T-2hrs)

Study of dyed and printed textiles of India –Bhandhani, Patola ,ikkat, kalamkari- in all the above types and techniques used. Study of woven textiles of India – Dacca Muslin, Banarasi/ Chanderi brocades, Baluchar, Himrus and Amrus, Kashmir shawls, Pochampalli, silk sarees of Kanchipuram.

Unit III Traditional Costumes of Different States of India

(L-10hrs; T-1hr)

Traditional Costumes of Different States of India -Tamil Nadu, Kerala, Andhra Pradesh, Karnataka, Assam, Orissa, Bihar, Karnataka, West Bengal, Maharashtra, Rajasthan, Haryana, Uttar Pradesh, Jammu and Kashmir, Gujarat, Madhya Pradesh.

Unit IV Indian Jewellery

(L-10hrs;T-1hr)

Jewellery – jewellerys used in the period of Indus valley civilization, Mauryan period, Gupta Period, the Pallava and Chola Period, Symbolic Jewellery of South India, Mughal period. Temple Jewellery of South India, Tribal jewellery

Unit V Traditional Embroideries of India

(L-10hrs; T-1hr)

Traditional embroideries of India – Origin, Embroidery stitches used, embroidery of Kashmir, Phulkari of Punjab, Gujarat – Kutch and Kathiawar, embroidery of Rajasthan, Kasuti of Karnataka, Chicken work of Lucknow, Kantha of Bengal - types and colours of fabric /thread.

Recommended Texts

1. M.L Nigam -Indian Jewellery , Lustre Press Pvt Ltd, India1999.
2. Ghosrye G.H Indian- Costume,Popular books Pvt Ltd

Reference Books

1. Jamila Brij Bhushan-The costumes and textiles and India –D B Taraporevala Sons & Co, Bombay 1958.
2. DorrisFlynn-Costumes of India- Oxford &IBH Publishing Co, Delhi 1971.
3. Das S.N-Costumes of India and Pakistan, DB Taraporevala Sons and co, Bombay 1956.

Website and E-learning sources

1. <https://www.fibre2fashion.com/industry-article/427/indian-traditional-dressing>

Part-III B.Sc. Costume Design & Fashion / Semester – IV / Elective

Generic Lab 4: SURFACE EMBELLISHMENT – (U23CF4AP)

Lecture Hours	: -	Tutorial Hours	: -
Practical Hours	: 30	No. of Credit	: 1
Contact Hours per Semester	: 30		
Contact hours per Week	: 2		
Internal Marks	: 40		
External Marks	: 60		
Total Marks	: 100		

Objectives of the Course

- To inherit embroidery skills by hand and machine
- To appreciate the beauty and intricacies of the traditional embroideries of India
- To enhance creativity with the application of smocking.

Course Learning Outcomes (for Mapping with POs and PSOs)

On completion of the course the students will be able to

CO1 create hand embroidery samples

CO2 create machine embroidered samples.

CO3 apply the techniques used in the Indian traditional embroideries

CO4 design and develop samples for drawn thread embroidery

CO5 create added structural effects using smocking

CO-PO-PSO Mapping (Course Articulation Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
CO1	1	1	3	1	2	1	2	3	3	3
CO2	2	3	2	3	2	3	2	3	3	3
CO3	3	3	3	3	2	2	3	3	3	3
CO4	2	3	3	3	3	2	3	3	3	2
CO5	2	3	3	3	3	3	3	3	3	3
Total contribution to CO to PO	10/15	13/15	14/15	13/15	12/15	11/15	13/15	15/15	15/15	14/15
Weighted Percentage of course Contribution to POs	66.6	86.6	93.3	86.6	80	73.3	86.6	100	100	93.3

0-No Correlation

1-Weak

2-Moderate

3-Strong

Course Content

1. Create Hand Embroidery Samples (7 samples) (L-14hrs)

1. Running stitch
2. Stem stitch
3. Back stitch
4. Chain stitch
5. Blanket
6. Satin stitch
7. Lazy daisy
8. French knot
9. Bullion knot
10. Fish bone

2. Create Embroidery Samples using machines (7 samples) (L-4hrs)

1. Running stitch
2. Long & short
3. Granite
4. Corded stitch

3. Create Embroidery Samples using Indian Traditional (7 samples) (L-6hrs)

1. Kashidha of Kashmir
2. Chickankari of Uttar Pradesh
3. Kasuthi of Karnataka
4. Phulkari of Punjab
5. Kantha of Bengal

4. Create the following Samples (L-6hrs)

1. Smocking
2. Patch work
3. Quilt

Recommended Text:

1. Shailaja D Naik, Traditional Embroideries of India, APH Publishing, 1996

Reference Book:

1. Libby Moore, Thread Folk: A Modern Makers Book of Embroidery Projects and Artist Collaborations, Paige Tate & Co, 2019

Website and E-learning sources

1. <https://sewguide.csom/smocking/>

**Part-IV B.Sc. Costume Design & Fashion / Semester – IV /Skill Enhancement
Course SEC-5 (DSC): TEXTILE WET PROCESSING – (U23CF4S3)**

Lecture Hours	: 30	Tutorial Hours : 0
Practical Hours	: -	No. of Credits : 2
Contact Hours per Semester	: 30	
Contact Hours per Week	: 2	
Internal Marks	: -	
External Marks	: 50	
Total Marks	: 50	

Objectives of the Course

- This course facilitates an understanding of dyeing and printing techniques and orients the learners in the field of wet processing.
- The learners are expected to know the dyeing machine, styles of printing and printing methods in textile industry.

Course Learning Outcomes (for Mapping with POs and PSOs)

On completion of the course the students will be able to

CO1 identify the principles and mechanisms of sequence of process in textile wet processing

CO2 explain the various process in textile industry.

CO3 apply the dyeing, printing and finishing techniques in textile industry.

CO4 analyze the materials and equipment used in textile processing.

CO5 determine the various textile wet processing involves in textile industry.

CO-PO-PSO Mapping (Course Articulation Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
CO1	3	1	3	1	1	1	3	3	3	3
CO2	3	2	3	2	2	2	2	3	2	3
CO3	3	3	3	3	3	3	3	3	3	3
CO4	2	2	2	2	2	2	2	3	2	3
CO5	3	2	2	2	2	2	3	3	3	3
Total contribution to CO to PO	14/15	10/15	13/15	10/15	10/15	10/15	14/15	15/15	14/15	15/15
Weighted Percentage of course Contribution to POs	93.3	66.6	86.6	66.6	66.6	66.6	93.3	100	93.3	100

0-No Correlation

1-Weak

2-Moderate

3-Strong

Course Content

Unit I Preparatory Process

(L-5hrs)

Preparatory processes - typical sequence of wet processing. Singeing – objects and types of Machines. Desizing – objects, types. Scouring - objects and processes carried out during scouring. Wet processing equipment – Kier, J – Box, Stenter. Bleaching – Definition and objectives, Bleaching methods using Hypo chlorites, hydrogen peroxide. Mercerization- Theory process, Methods – Chain and Chainless process.

Unit II Dyeing & Its Machineries

(L-5hrs)

Dyeing– Definition, Theory of dyeing, Properties required for dye stuff, classification of colorants. Dyeing procedure using various dye stuffs – Direct dyes, Reactive dyes, Acid dyes, basic dyes, Azo dyes, Disperse dyes. Yarn dyeing, Package dyeing, Fabric dyeing and garment dyeing.

Unit III Printing & Its Methods

(L-5hrs)

Printing – definition differentiate dyeing and printing. Essential ingredients used in printing paste. Basic styles of printing – direct, Discharge, Resist style. Printing of Cotton Fabric, Printing of Polyester and Nylon. Printing methods – Stencil, Batik, Block, tie and Dye. Printing techniques in Industries – Screen printing, Flat Screen, Rotary Screen, Transfer Printing.

Unit IV Basics Of Finishing

(L-5hrs)

Introduction to finishing – Definition, Importance, Classification. **Mechanical Finishing** – Sanforising – calendaring – Brushing – Decating – Milling. **Chemical finishing** – wash and wear finishing, durable finish, Stiff Finish, Denim Finish, Application of silicones in finishing processes.

Unit V Functional Finishing

(L-5hrs)

Functional finishes –water proof finishes, water repellent finish, flame retardant finish, soil release finish, antimicrobial finish. Micro encapsulation and Nano Technology in Textile finishing.

Recommended Texts

1. A.Shenai. Sevak-Technology of textile processing (Vol1-2), Publications,1975
2. Mohammad Shahid, Guoqiang Chen-Handbook of Textile Coloration and Finishing, , Published by Studium press llc, 2018

Reference Books

1. Chakravarthy RR and Trivedi S.S-Technology of Bleaching and Dyeing of Textile Fibres Vol.1, Part–I, Mahajan Book Publishers, 1979.
2. Shenai V.A. “ Technology of Finishing” Sevek Publications, Mumbai 1996.
3. Manivasaga. N.-Treatment of Textile Processing Effluents”, Sakti Publications.

Website and E-learning sources

1. <https://www.sciencedirect.com/topics/engineering/textile-wet-processing>
2. <https://textilelearner.blogspot.com/2011/08/flow-chart-of-wet-processing-process.html>
3. <https://textechdip.wordpress.com/contents/wet-processing/>

Part-IV B.Sc. Costume Design & Fashion / Semester – IV /Skill Enhancement
Course–SEC6 (DSC) Practical:
TEXTILE WET PROCESSING – (U23CF4SP)

Lecture Hours	: -	Tutorial Hours	: -
Practical Hours	: 30	No. of Credits	: 2
Contact Hours per Semester	: 30		
Contact Hours per Week	: 2		
Internal Marks	: -		
External Marks	: 50		
Total Marks	: 50		

Objectives of the Course

- To familiarize the students with different textile pre-treatment process.
- To prepare processed and dyed sample.

Course Learning Outcomes (for Mapping with POs and PSOs)

On completion of the course the students will be able to

CO1 identify and describe the entire Chemical processing of textile materials.

CO2 apply the dyeing, printing and finishing process in textile industry.

CO3 analyze the coloration techniques in all types of Fabrics with suitable dyes.

CO4 evaluate the advanced textile techniques in textile wet processing.

CO5 create the new design for textile materials.

CO-PO-PSO Mapping (Course Articulation Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
CO1	3	2	3	3	3	2	2	3	3	3
CO2	3	2	2	2	2	1	1	3	2	3
CO3	2	2	2	2	2	2	1	3	3	3
CO4	3	2	2	2	1	1	2	3	2	3
CO5	3	3	3	3	1	2	1	3	3	3
Total contribution to CO to PO	14/15	11/15	12/15	12/15	9/15	8/15	7/15	15/15	14/15	15/15
Weighted Percentage of course Contribution to POs	93.3	73.3	80	80	60	53.3	46.6	100	93.3	100

0-No Correlation

1-Weak

2-Moderate

3-Strong

Course Content

I Pre-treatment process

(P-6hrs)

1. Desizing
2. Scouring
3. Bleaching

II Dyeing

(P-12hrs)

1. Natural dye
2. Reactive dyes. {Hot, Cold}
3. Acid dyes
4. Basic dyes
5. Disperse dye

III Printing

(P-12hrs)

1. Tie & Dye
2. Batik printing
3. Wooden block
4. Screen printing
5. Stencil printing

Recommended Texts

1. V.A.Shenai -Technology of textile processing (Vol1-2). Sevak Publications,1975.
2. Datye K.V and Vaidhay-Chemical Processing of Synthetic Fibres and Blends, A.A. Published by John Wiley & Sons, New York, 1982

Reference Books

1. Chakravarthy RR And Trivedi S.S-Technology of Bleaching and Dyeing of Textile Fibres Vol.1, Part-I, Mahajan Book Publishers, 1979.
2. Prayag R.S-The Bleaching and Dyeing of Cotton Material, Published by Weaver's Service Cent,1983.
3. Moscow-Processing of Manmade Fibres. Usenko V, MIR Publishers, ,1975

Website and E-learning sources

1. <https://textechdip.wordpress.com/contents/wet-processing/>
2. <https://textilelearner.blogspot.com/2011/08/flow-chart-of-wet-processing-process.html>
3. <https://www.sciencedirect.com/topics/engineering/textile-wet-processing>