



**PSGR**  
**Krishnammal College for Women**



Affiliated to Bharathiar University | Autonomous | College of Excellence | Accredited with A++ Grade | Ranked 9<sup>th</sup> in NIRF

## **DEPARTMENT OF COSTUME AND APPAREL DESIGN**

### **CHOICE BASED CREDIT SYSTEM (CBCS) & LEARNING OUTCOMES - BASED CURRICULUM FRAMEWORK (LOCF)**

**B.Sc. COSTUME DESIGN AND FASHION**  
**2023 – 2026 BATCH**  
**I to VI SEMESTER**



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## **PROGRAMME LEARNING OUTCOMES (PLO's)**

**PLO 1:** To attain knowledge on fashion concepts and theories.

**PLO 2:** To gain hands on training on manual and digital fashion illustration

**PLO 3:** To gain skill on both manual and computerized pattern making.

**PLO 4:** To achieve skill on construction of children's men's and women's wear.

**PLO 5:** To gain knowledge on entrepreneurial skills for creating value-added garments.

**PLO 6:** To compile innovative garment collection as fashion portfolio and design ramp walk garment.

**PLO 7:** To gain knowledge on process sequence of textile and garment manufacturing.

## **PROGRAMME SPECIFIC OUTCOME (PSO's)**

The student graduates

**PSO1:** Work as a fashion designer, stylist, and accessory designer in the film industry and for celebrities

**PSO2:** Able to enhance skills as a graphic designer in the fashion industry

**PSO3:** Work as merchandiser, pattern maker, Fashion buyer, CAD designer in apparel industries

**PSO4:** Employed as assistant fashion designer, fashion designers with the added NSDC certification (level - 4 and 5 certifications)

**PSO5:** Capable of working independently, leveraging innovative and creative skills to excel as entrepreneurs and fashion consultants

**PSO6:** Equipped to organize and manage fashion shows effectively

**BACHELOR OF COSTUME DESIGN AND FASHION**  
**CHOICE BASED CREDIT SYSTEM (CBCS) &**  
**LEARNING OUTCOMES - BASED CURRICULUM FRAMEWORK (LOCF)**  
**SCHEME & SYLLABUS OF EXAMINATION**

[illegible]

[illegible]

Semester	Part	Course Code	Title of the Course	Course Type	Instruction hours	Contact hours	Tutorial hours	Duration of	Examination marks			Credits
									CA	ESE	Total	
III	I	TAM2303A/ HIN2303A / FRE2303A	Language III – Tamil Paper III / Hindi Paper III / French Paper III	L	4	58	2	3	25	75	100	3
	II	ENG2303A	English Paper III	E	4	58	2	3	25	75	100	3
	III	CF23C03	Pattern Making and Grading	CC	4	58	2	3	25	75	100	3
		CF23P03	Apparel Design and Development Lab I	CC	7	105	-	4	25	75	100	5
		CF23AP3	Draping Lab	GE	6	90	-	3	25	75	100	4
III / IV	III	CF23SCE1/ CS23SBGP	<b>Skill Based Course</b> Coursera - Fashion Reality / GEN - AI	SEC	3	45 /44	- / 1		100	-	100	3
III	IV	NM23DTG	Design Thinking	AEC	2	30	-		100	-	100	2
	IV	NM22UHR	Universal Human Values and Human Right #	AECC	-	-	-		100	-	100	Gr
I – V	VI	16BONL1 16BONL2	Online Course 1 Online Course 2	ACC	-	-	-	-	-	-	-	-

L – Language

E – English

CC – Core Courses

GE – Generic Elective

AEC – Ability Enhancement Course

ACC – Additional Credit Course

AECC - Ability Enhancement Compulsory Course

# Self study

CA – Continuous Assessment

ESE - End Semester Examination

SEC – Skill Enhancement Course

Gr - Grade

Semester	Part	Course Code	Title of the Course	Course Type	Instruction hours /week	Contact hours	Tutorial hours	Duration of Examinations	Examination marks			Credits
									CA	ESE	Total	
IV	I	TAM2304A/ HIN2304A / FRE2304A	Tamil Paper IV / Hindi Paper IV / French Paper IV	L	4	58	2	3	25	75	100	3
	II	ENG2304A	English Paper IV	E	4	58	2	3	25	75	100	3
	III	CF23C04	Textile Science	CC	4	58	2	3	25	75	100	4
		CF23P04	Apparel Design and Development Lab II	CC	7	105	-	4	25	75	100	4
		CF23AP4	Computer Aided Apparel Designing Lab	GE	6	90	-	3	25	75	100	4
III / IV	III	CF23SCE1/ CS23SBGP	<b>Skill Based Courses</b> Fashion Reality / GEN – AI	SEC	3	45	-		100	-	100	3
IV	IV	CF22INST2	Internship – Industry / Design	DSE	60 Hours / 15 Days					100	100	2
		NM23EII	Entrepreneurship and Innovation (Ignite X)	AE CC	2	30	-		100	-	100	2
		NM23EVS	Environmental Studies	AE CC	SS	-	-	-	100	-	100	Gr
	V	COCOACT	Co-Curricular Activities	GC	-	-	-	-	100	-	100	1
I – IV	VI	COMI5SER	Community service - 30 hours	GC	-	-	-	-	-	-	-	-
I – V	VI	16BONL1 16BONL2	Online Course 1 Online Course 2	ACC	-	-	-	-	-	-	-	-

L – Language, E – English

CC – Core Course

GE – Generic Elective

GC – General Course

GC – General Course

AEC – Ability

Enhancement Course

AECC – Ability Enhancement Compulsory Course

ACC – Additional Credit Course

DSE – Discipline Specific Elective

SS – Self Study

Semester	Part	Course Code	Title of the Course	Course Type	Instruction hours /week	Contact hours	Tutorial hours	Duration of Examinations	Examination marks			Credits
									CA	ESE	Total	
V	III	CF23C05	Textile Processing	CC	4	58	2	3	25	75	100	4
		CF23P05	Sustainable Textile Processing and Printing Lab	CC	6	90	-	3	25	75	100	4
		CF23P06	Computer Aided Designing Lab	CC	6	90	-	3	25	75	100	5
		CF23P07	Design Research lab	CC	6	90	-	3	25	75	100	5
		CF23E01/ CF23E02	Fabric Formation Techniques/ Technical Textiles	DSE	3	43	2	3	25	75	100	3
		CF22AC1	Visual Merchandising	ACC	SS	-	-	3	25	75	100	5 <sup>\$</sup>
	III	CF23SB01	Apparel Quality Control	SEC	3	43	2	3	100	-	100	3
	IV	NM21CS1	Cyber Security I	AECC	2	30	-	-	100	-	100	Gr
	VI	CF23COM	Comprehensive Examination	GC	-	-	-	-	100	-	100	Gr
I-IV	VI	COM15SER	Community Services 30 Hours	GC	-	-	-	-	-	-	-	-
I - V	VI	16BONL1 16BONL2	Online Course Online Course	ACC	-	-	-	-	-	-	-	-

CC – Core Courses

GC – General Course

SEC – Skill Enhancement Course

DSE – Discipline Specific Elective

ACC – Additional Credit Course

AECC – Ability Enhancement Compulsory Course

CA – Continuous Assessment

ESE - End Semester Examination

SS - Self study

Gr – Grade

<sup>\$</sup> Credits applicable to candidates who take up Advance Level Course examination

Semester	Part	Course Code	Title of the Course	Course Type	Instruction hours /week	Contact hours	Tutorial hours	Duration of Examinations	Examination marks			Credits
									CA	ESE	TOTAL	
VI	III	CF23C06	Textile Testing	CC	4	58	2	3	25	75	100	4
		CF23P08	Textile Testing Lab	CC	8	120	-	4	25	75	100	5
		CF23E03 / CF23E04	Organization of Garment Unit / Home Furnishing	DSE	3	43	2	3	25	75	100	4
		CF23AC2	Traditional Costumes and Textiles of India	ACC	SS	-	-	3	25	75	100	5 <sup>\$</sup>
		CF23SB02	Boutique Management	SEC	3	43	2	-	100	-	100	3
		CF23PROJ	Fashion Portfolio	DSE	12	180	-	4	25	75	100	7
		CF23INST3	Internship III	ACC	21 Days				100	-	100*	2*
I – VI			Total								3900	140

CC – Core Courses

SEC – Skill Enhancement Course

DSE – Discipline Specific Elective

SS - Self study

CA – Continuous Assessment

ESE - End Semester Examination

ACC – Additional Credit Course

<sup>\$</sup> Credits applicable to candidates who take up Advance Level Course examination

Fashion Portfolio – Viva voce / presentation will be conducted by a panel comprising of HOD and External examiner.

\* Additional Credit

The Internship can be pursued in industrial or design domains.



Coursera Course: Fashion Reality / CF23SCE1

<b>S.No</b>	<b>Topics of the course</b>	<b>Link of the course</b>	<b>Duration of hours</b>
1	Fashion as Design	<a href="https://www.coursera.org/learn/fashion-design">https://www.coursera.org/learn/fashion-design</a>	<b>20</b>
2	The Language of Design: Form and Meaning	<a href="https://www.coursera.org/learn/design-language">https://www.coursera.org/learn/design-language</a>	<b>8</b>
3	Modern Art and Ideas	<a href="https://www.coursera.org/learn/modern-art-ideas">https://www.coursera.org/learn/modern-art-ideas</a>	<b>13</b>
4	Sustainable Fashion	<a href="https://www.coursera.org/learn/sustainable-fashion">https://www.coursera.org/learn/sustainable-fashion</a>	<b>4</b>

## **QUESTION PAPER PATTERNS**

Question Paper Pattern and distribution of marks UG Language and English  
Language and English

Section A 6 x 2 (No choice) : 12 Marks

Section B 4 x 6 (4 out of 6) : 24 Marks (250 words)

Section C 2 x 12 (2 out of 3) :24 Marks (500 words)

Total : 60 Marks

UG- Core and Allied- (First 3 Units)

CA Question from each unit comprising of

One question with a weightage of 2Marks :  $2 \times 3 = 6$

One question with a weightage of 5 Marks (Internal Choice at the same CLO level):  $5 \times 3 = 15$

One question with a weightage of 8Marks (Internal Choice at the same CLO level) :  $8 \times 3 = 24$

Total: 45Marks

UG-Core and Allied courses:

ESE Question Paper Pattern:  $5 \times 15 = 75$  Marks

Question from each unit comprising of

One question with a weightage of 2 Marks :  $2 \times 5 = 10$

One question with a weightage of 5 Marks (Internal Choice at the same CLO level):  $5 \times 5 = 25$

One question with a weightage of 8 Marks (Internal Choice at the same CLO level) :  $8 \times 5 = 40$

Total: 75Marks

ESE Practical Pattern

The End Semester Examination will be conducted for a maximum of 75 marks respectively with a maximum 15 marks for the record and other submissions if any.

Skill Based Theory courses

Test I : 30 Marks (Conducted for 50 marks and converted to 30 Marks)

Test II : 50 Marks

Assignment : 10 Marks

Seminar : 10 Marks

Total : 100 Marks

Field Work / Institutional Training

Attendance : 10 Marks

Work diary : 15 Marks

Report : 50 Marks

Viva Voce : 25 Marks

**Total : 100 Marks**

#### Evaluation Pattern for Fashion Portfolio

Continuous Internal Assessment (CA)	: 25 Marks
End Semester Examination	: 75 Marks
Total	: 100 Marks
Continuous Internal Assessment (CA)	
Review I - Selection of the field of study, Topic and literature collection	: 5 Marks
Review II - Research Design and Data Collection	: 10 Marks
Review III – Analysis and Conclusion, Preparation of rough draft	: 10 Marks
Total	: 25 Marks
End Semester Examination	
Evaluation of the project report	: 25 Marks
Viva Voce	: 75 Marks
Total	: 100 Marks

#### Part IV

##### Environmental Studies / Design Thinking

Quiz : 50marks

Assignment : 25marks

Project / Case study :25marks

Total : 100 Marks

##### Evaluation pattern for Gen-AI

Quiz : 50 Marks (5 quizzes with each 10 marks)

Case study : 25 Marks

Online Exam : 25 Marks (Departments to plan and conduct the exam)

Total : 100 Marks

<b>Course No CF23C01</b>	<b>SEMESTER-I CONCEPTS OF FASHION AND DESIGN</b>	Category	L	T	P	Credit
		Theory	43	2	-	3

### Preamble

To understand the effect of various social and psychological factors on clothing. To study the psychological effect of clothing on the individual in social situations. To impart knowledge on fashion, fashion designers and world fashion centers.

### Course Learning Outcomes

On the successful completion of the course, students will be able to

<b>CLO Number</b>	<b>CLO Statement</b>	<b>Knowledge Level</b>
<b>CLO1</b>	Define fashion, fashion terms and concepts.	K1
<b>CLO2</b>	Describe Fashion Cycle.	K2
<b>CLO3</b>	Construct Fashion Trends with Designers Idea	K3
<b>CLO4</b>	Analyse Fashion Forecasting	K4

### Mapping with Programme Learning Outcomes

<b>CLOs</b>	<b>PLO1</b>	<b>PLO2</b>	<b>PLO3</b>	<b>PLO4</b>	<b>PLO5</b>	<b>PLO6</b>	<b>PLO7</b>
<b>CLO1</b>	S	S	S	S	S	M	M
<b>CLO2</b>	S	S	S	S	M	S	M
<b>CLO3</b>	S	S	S	S	M	M	S
<b>CLO4</b>	S	S	M	S	S	S	M

S- Strong; M-Medium; L-Low

### Syllabus

#### UNIT-I

**9 hrs**

Definition of fashion concepts. Terms related to the fashion clothing - fashion, style, fad, classic, and collection, chic, custom made, mannequin-types of mannequin, vintage, capsule wardrobe, boho, elegant, vogue, brand, ready-to-wear, silhouette, designerable, mass fashion, knock off/high street, avantgrade, fashion show, trend, forecasting, high fashion, fashion cycle, haute couture. Consumer groups in fashion cycles – fashion leaders, fashion innovators, fashion motivation, fashion victim, fashion followers

#### UNIT II

**9 hrs**

Design – definition, Design types- natural, stylized, geometric, historic and abstract, garment design- structural, decorative and functional. Elements and principles of design. Color – Definition, Dimensions of colour- Hue, Value and Intensity, Colour categories And psychology - Warm and Cool colours, advancing and receding colours, Colour theories – Prang colour system and Munsell colour system - colour harmonies.

#### UNIT - III

**9 hrs**

Principles of fashion movement, fashion evolution, fashion cycle – length of fashion cycle, Adoption of fashion – trickle down, trickle up and trickle across theory, Reverse adoption. Factors influencing fashion changes – psychological needs of fashion, social psychology of fashion, technological, economical, political, legal and seasonal influence. Role of costume as a status symbol, personality and dress, clothes as sex appeal, cultural value fashion cycles, repetition of fashion. Fashion services, video services, news

letter services, web sites, directories and references.

#### **UNIT -IV**

**8 hrs**

Understanding fashion designer - Indian and global fashion designers. Haute couture - Indian fashion designers – sabyasachimukherjee, rohithal, manishmalhotra, taruntahiliani, masaba Gupta, abujani and Sandeepkhosla, neetalulla, ritukumar, rituberi, anitadongre . World fashion centers –France, Italy, America, Britain. Fareast- Contributions of well-known designers from France-Agnes, Sophie Albou Italy- Pierre Cardin, Roberto Cavalli America - Adams Adrian, Joseph Abboud. Britain -Basso & Brooke and Fareast Countries - Sandy Powell, Valentino Garavani.

#### **UNIT -V**

**8 hrs**

Fashion Forecasting – role of forecasting agencies, techniques and presentation of forecast. Design process – Innovation of practice, analyzing the brief, Research inspiration – Research direction, prototyping, planning a collection, designer boards, ethnographic research, trend forecasting and portfolio presentation. Organizing fashion show.

#### **Pedagogy:**

Lecture by chalk and talk, power point presentation, e-content, group discussion, assignment, quiz, peer learning, seminar, demonstration.

#### **Reference Books**

No.	Author	Title of the Book	Publishers	Year of publication
1.	London College of Fashion	Fashion:Cultural History Psychology	London College of Fashion,UAL	16th May 2016
2	Kim.P.Johnson, Nancy Ann Rudd,SharronJ. Lennon	Social Psychology of dress	Bloomsbury	2017
2	Margaux Baum,Margaret Scott	Fashionand clothing(Life in the middle age)	Rosen central	1st Jan 2017
3	Carolyn mair	The Psychology of Fashion	Routledge London	March 2018 1 st edition
4	Mary Ellen Snodgrass	World Clothing and Fashion	routledge	28th march 2019

**Online reference link:**

s://textilelearner.net/stages-of-fashion-cycle/

s://www.slideshare.net/Tamilselvan245/fashion-cycle-adaption-of-fashion

s://pahaldesign.com/10-best-fashion-designer-of-world/

s://www.cosmopolitan.com/style-beauty/fashion/g34647685/indian-fashion-designers/

s://shilpaahuja.com/20-top-fashion-designers-india/

s://pahaldesign.com/10-best-fashion-designer-of-world/

**Course Designer:**

Dr.R.Radhika

<b>Course No</b> <b>CF23P01</b>	<b>SEMESTER-I</b> <b>SURFACE ORNAMENTATION</b> <b>LAB PRACTICAL-I</b>	Category	L	T	P	Credit
		Practical	-	-	75	5

### Preamble

To familiarize the students with various embroidery stitches and surface ornamentation techniques.

### Course Outcome

On the successful completion of the course, students will be able to

<b>CLOs Number</b>	<b>CLO Statement</b>	<b>Knowledge Level</b>
CLO1	Explain suitable stitches for embroidery designs.	K2
CLO2	Apply different Hand and Machine Embroidery techniques on fabrics.	K3
CLO3	Develop samples by using Mirror, sequence work and Flower making.	K3
CLO4	Distinguish between manual work and machine for embellishments.	K4
CLO5	Design Development and Product development for any one Experiment	K4

### Mapping with Programme Outcomes

<b>CLOs</b>	<b>PLO1</b>	<b>PLO2</b>	<b>PL03</b>	<b>PL04</b>	<b>PL05</b>	<b>PL06</b>	<b>PL07</b>
CLO1	S	S	L	S	S	S	S
CLO2	S	S	L	S	S	S	M
CLO3	S	S	M	S	S	S	M
CLO4	S	S	S	S	M	S	M
CLO5	S	S	S	S	S	S	S

S- Strong; M-Medium; L-Low

### Syllabus

1. Hand embroidery - 15 stitches and fancy embroideries – 5 (5samples with 20 stitches) **8 hrs**
2. Machine Embroidery- 9 stitches - 3 samples. **6 hrs**
3. Applique- 3 types– hand, machine and iron applique **6hrs**
4. Smocking -3types **6 hrs**
5. Tatting and crochet **8 hrs**
6. Bead Work, Sequins work and Aari work –each one sample **6hrs**
7. Zardosi work -1 sample **5hrs**

8. Patch work and Quilting 6 hrs
9. Traditional embroideries of India – Pulkari, Kasuti, kashida, chickenkari, kanta and kutch – each one sample. 12hrs
- 10. Design Development(any one Experiment)** 6hrs
- Research
  - Finalization of Theme
  - Sourcing
  - Finalization of Designs
  - Colour board
  - Moodboard
  - Measurements
- 11. Product Development** 6hrs
- Motif Development
  - Construction of product
  - Photo shoot
  - Compose the above details as portfolio sheets

### Pedagogy:

Lecture by chalk and talk, power point presentation, demonstration.

### Reference Books

S.N o.	Author	Title of the Book	Publishers	Year of publication
1	Shailaja D. Naik	Traditional Embroideries of India	APH Publishing	1996
2	Rozella Florence Linden	Easy tatting	Courier corporation	2013
3	Anon	Tatting- a fascinating book of delicate lace designs	Read Books limited	2016
4	Lauren Espy	Crochet cafe Recipes for Amigurumi crochet pattern	Blue star press	2020

### Online link

<https://youtu.be/ck2SJvspBh4>  
<https://youtu.be/u8dr2bjUKxo>  
<https://youtu.be/BlpnAN6x394>  
<https://youtu.be/6jOuF65d3zw>  
[https://youtu.be/TOTHI\\_3NtRk](https://youtu.be/TOTHI_3NtRk)  
<https://youtu.be/R8dTNfAOctI>  
<https://youtu.be/Uo1ueLkl1vA>

### Course Designers:

Dr.R.Radhika



<b>Course No</b> <b>CF23AP1</b>	<b>SEMESTER-I</b> <b>ALLIED PRACTICAL - I</b> <b>FASHION ILLUSTRATIONS LAB-I</b>	Category	L	T	P	Credit
		Practical	-	-	75	5

### Preamble

To give training on illustrating fashion concept and theories.

### Course Learning Outcomes

On the successful completion of the course, students will be able to

<b>CLOs Number</b>	<b>CLO Statement</b>	<b>Knowldge Level</b>
<b>CLO1</b>	Illustrate the motif of the embellishment.	K2
<b>CLO2</b>	Illustrate elements and principles of design, colour theories and harmonies.	K3
<b>CLO3</b>	Develop the garment components and accessories.	K3
<b>CLO4</b>	Determine the details of fullness	K4

### Mapping with Programme Learning Outcomes

<b>CLOs</b>	<b>PLO1</b>	<b>PLO2</b>	<b>PLO3</b>	<b>PLO4</b>	<b>PLO5</b>	<b>PL06</b>	<b>PLO7</b>
CLO1	M	S	S	M	L	M	M
CLO2	S	S	S	M	L	S	S
CLO3	S	S	S	M	L	S	S
CLO4	S	S	L	M	M	S	S

S- Strong; M-Medium; L-Low

### Syllabus

- 1.Elements of Lines (Straight, Wavy, Radiating related to Textile stripes), dots, checks, curves and Points, Form, Shape, Size, Texture. Dawing Techniques- Shading, Smudging,hatching techniques(Cross hatching, Scribbling, Doodling) **8 hrs**
- 2.Fabric Rendering – learning to simulate textures of various fabrics – **8 hrs**  
Velvet, Silk, Fur, Denim,Printed cotton, Lace, Net, Embroidery, Leather,Satin, Sequins.(Each-1) Design a dress using any one Fabric Rendering.
- 3.Types of Motifs (any-1) -(Natural/ Geometric/Abstract/Stylized/Conventional motifs)Enlarging and Reducing Motifs- Grid techniques of drawing **8 hrs**
- 4.Application of Elements of Design in Garments-line, Colour, Texture,Shape and Size. **7 hrs**
- 5.Application of Principles of Design in Garments- Harmony,Rhythm, Proportion, Balance (Symmetrical and Asymmetrical balance) and Emphasis **7 hrs**
- 6.Preparation of colour charts –Prang Color Chart, Value chart and Intensity charts. **7 hrs**
- 7.Application of Colour Harmony in garment design – Monochromatic **7 hrs**  
colour Harmony, Analogous colour harmony, Complementary colour harmony, Double Complementary colour harmony, Split complementary Colourharmony,Triad and Tetradiccolour harmony
- 8.Illustrating details of Fullness-pleats, ruffles, shirring and smocking.(Each 2) **8 hrs**
- 9.Illustrating Features and Garments -pockets, Collars, sleeves, yokes, skirts, **7 hrs**  
trousers, tops.(Each 2)

10.Illustrating Ornaments and Accessories – Necklace, Bracelet, Earring ,  
Rings, Head Piece,hat, handbags, Shoes, gloves, coolers and masks.Anklet.(Each 5)

**8 hrs**

**Pedagogy:**

Lecture by chalk and talk, power point presentation, demonstration.

**Reference link**

Ex no :1 <https://youtu.be/UwbjsrY2ps8>

Ex no:2 <https://youtu.be/phO4E2A4KKg>

Ex no:3 <https://youtu.be/Q0W39iKaEmQ>

Ex no: 5 <https://youtu.be/bDDyDvUYJoI>

Ex no:8 <https://youtu.be/fGVdntklOMg>

**Course Designer:**

Dr.R.Radhika

<b>Course No</b> CF23C02	<b>SEMESTER-II</b> <b>APPAREL COMPONENT</b> <b>DEVELOPMENT</b>	Category	L	T	P	Credit
		Theory	58	2	-	4

### Preamble

To impart knowledge through, the parts and function of the sewing machine and the basic garment parts construction techniques.

### Course Learning Outcomes

On the successful completion of the course, students will be able to

CLOs Number	CLO Statement	Knowledge Level
<b>CLO1</b>	Understand the body measurements and the tools used.	K1
<b>CLO2</b>	Describe darts, neck finishes, plackets, fasteners	K2
<b>CLO3</b>	Analyse the construction of sleeves, collars, yokes, mask	K3
<b>CLO4</b>	Application of trims and decoration in apparel.	K4

### Mapping with Programme Learning Outcomes

CLOS	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6
<b>CLO1</b>	S	S	S	S	S	S
<b>CLO2</b>	S	S	S	S	S	S
<b>CLO3</b>	S	S	S	S	S	S
<b>CLO4</b>	S	S	S	S	S	S

S- Strong; M-Medium; L-Low

### Syllabus

#### Unit I

**11 hrs**

Introduction to body measurement. Tools for measuring, marking, cutting and pressing. Selection of thread and needle for various types of fabric. Seams, seam finishes and hems. Sewing techniques- Basic hand stitches- basting, running, tacking, hand overcast. Hemming stitches- plain and blind hemming, slip stitch, tailors tack. Domestic and industrial sewing machines, special attachments.

#### Unit II

**12 hrs**

Fullness - definition, Types of fullness – Darts, Tucks, Pleats, flares, godets, gathers, shires and frills. Calculating the amount of materials for these type, fullness and hemming. Neck Finishes -Definition, Bias- definition, joining bias and uses. Bias facing and bias binding.

#### Unit III

**12 hrs**

Plackets- Definition, characteristics of a good placket, classification – continuous bound, bound and

faced, fly opening, zipper, tailored and centre front / shirt placket. Fasteners and button hole - Buttons and steps in attaching buttons, other types of fasteners. Button and button hole position and length of the button hole, types of button hole-Button loops-thread loops, fabric loop, corded loop, corded frogs buttons and its types.

#### **Unit IV**

**12 hrs**

Sleeves- Classification of sleeves, types of sleeves and drafting - plain, puff at top, bottom, bell, bishop, circular, leg-o-mutton, sleeveless styles, kimono and raglan. Collars – definition, parts of collar, factors to be considered in designing collar, classification and drafting of collar - peter pan, cape, scallop, puritan, sailors, Chinese collar and shirt collar. Face masks – types of masks, fabric used, finishes applied, applications in various field and cost calculation.

#### **Unit V**

**11 hrs**

Pockets- Definition, classification, selection of pocket and creating variety in pockets. Yokes - Definition, selection of yoke design, creating variety in yoke. Drafting patterns for yoke without fullness yoke with fullness within the yoke and yoke supporting or releasing fullness. Trimmings and Decoration - Definition, types -Bias trimming, Ricrac, ruffles, embroidery, smocking, faggoting, Applique, lace, lace motifs, Scalloped edging, decorative fastening – belts and bows.

#### **Pedagogy:**

Lecture by chalk and talk, power point presentation, e-content, group discussion, assignment, quiz, peer learning, seminar, demonstration.

#### **Reference Books**

S.No.	Author	Title of the Book	Publishers	Year of publication
1	Mary Mathews	Practical Clothing Construction Part-II. Designing	Drafting and tailoring Bhattarams Reprographics (P) Ltd	1991
2	Zarapkar K.R	System of Cutting	Navneet Publications India	2005
3	Hilary Campbell	Designing Patterns	Om Book Services, New Delhi	2003
4	Helen Joseph	Pattern Making for Fashion Design	Armstrong Pearson Education, Delhi	2000

#### **Course Designer**

Dr.R.Radhika

<b>Course No CF23P02</b>	<b>SEMESTER-II APPAREL COMPONENT DEVELOPMENT LAB - (PRACTICAL - II)</b>	Category	L	T	P	Credit
		Practical	-	-	120	4

### Preamble

To impart skills on basic garment parts construction techniques.

### Course Learning Outcomes

CLOs Number	CLO Statement	Knowledge Level
CLO1	Select and maintain the sewing machines.	K2
CLO2	Develop the samples with seams and fullness.	K3
CLO3	Produce the suitable Facing and Binding samples.	K3
CLO4	Prepare the miniature samples - plackets, sleeves, yokes, collars, pockets and mask. Application of fasteners	K3

On the successful completion of the course, students will be able to

### Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5	PL06
CLO1	S	S	S	S	S	S
CLO2	S	S	S	S	S	S
CLO3	S	S	M	S	S	S
CLO4	S	S	S	M	S	S

S- Strong; M-Medium; L-Low

### Syllabus

- 1.Preparation of samples for seam – plain, top stitched, flat fell, piped, mantua maker seam. **11 hrs**
- 2.Preparation of samples for seam finishes- Edge stitched, double stitch, overcast, bound, hem and darning methods. **11 hrs**
- 3.Preparation of samples for fullness-Darts, tucks- pin tucks, cross tucks, Group tucking with scalloped effect. Pleats- knife pleat, box pleat, kick pleat, fan pleat. **12 hrs**
4. Preparation of samples for fullness-Gathering – Gathering by hand, machine, elastic. Ruffle- single, double, circular. Godets. **13 hrs**
- 5.Preparation of samples for facing and binding- bias facing, shaped facing and binding. **12 hrs**

6.Preparation of samples for Plackets- continuous bound, Two-piece placket, zipper and tailored placket.	<b>11 hrs</b>
7.Preparation of samples for fasteners - button and buttonhole, hook and eye and Press button.	<b>8 hrs</b>
8.Preparation of samples for sleeves- plain sleeve, puff sleeve, Raglan sleeve and cap sleeve.	<b>10 hrs</b>
9.Preparation of samples with yoke- partial yoke, simple yoke and yoke supporting fullness.	<b>10 hrs</b>
10.Preparation of samples for collar and Pocket- Peter Pan collar, shirt collar and shawl collar. Pocket - patch pocket, bound pocket and side pocket.	<b>12 hrs</b>
11.Preparation of sample for mask – pleated mask and padded mask.	<b>10 hrs</b>

#### **Pedagogy:**

Lecture by chalk and talk, power point presentation, demonstration.

#### **Reference link:**

<https://youtu.be/j434tTfoYME>

#### **Course Designer:**

Dr.R.Radhika

<b>Course No</b> <b>CF23AP2</b>	<b>SEMESTER-II</b> <b>ALLIED PRACTICAL –II</b> <b>FASHION ILLUSTRATION LAB-II</b>	<b>Category</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
		-	-	-	12 0	4

### Preamble

To give a thorough knowledge on illustrating the boy, girl, women and men figures with three views, accessories, head theories, fashion figures. Designing boy, girl, women and men garments with seasons.

### Course Learning Outcomes

On the successful completion of the course, students will be able to

<b>CLOs Number</b>	<b>CLO Statement</b>	<b>Knowledge Level</b>
CLO1	Illustrate –front, back and side view and poses of boy, girl, women and men.	K2
CLO2.	Illustrate features of human body and Develop designs for different wears.	K3
CLO3	Illustrate garments for men, women and children with different seasons. Illustrate the photographic poses to fashion stylized figures.	K3
CLO4	Design development and product development for a Portfolio design	K4

### Mapping with Programme Learning Outcomes

<b>CLOs</b>	<b>PLO1</b>	<b>PLO2</b>	<b>PLO3</b>	<b>PLO4</b>	<b>PLO5</b>	<b>PL06</b>
CLO1	S	S	S	S	S	S
CLO2	S	S	S	S	S	S
CLO3	S	S	S	S	S	S
CLO4	S	S	S	S	S	S

S- Strong; M-Medium; L-Low

### Syllabus

1. Illustrating human figure in proportion using 8, 9 to 12 head theory –Stick figure, block figure and fleshy figure in standing poses and body figure, features and hair styling basics. **10 hrs**
2. Illustrating detail -Eyes, Ears, Nose, Lips, Fingers, Feet, Hand and Legs . **10 hrs**
3. Illustrating fashion figure – Front View, Back View, Side View. **10 hrs**
4. Different postures of fashion figure- S, X , T pose. **12 hrs**

5. Create Flat Sketches for Children - Casual Wears, Night Wear and Picnic Wear with Back Ground. **10 hrs**
6. Designing Flat Sketches for women - party wear and lingerie with back ground. **10 hrs**
7. Designing Flat Sketches for Men - office wear and sportswear with back ground. **10 hrs**
8. Design and illustrate traditional costume of any two states of India. **12 hrs**
9. Create Fashion Illustration from Magazines/photography. **12 hrs**
10. Designing garment with croquis from selected theme/inspiration. **8 hrs**
11. Design Development (Children's / Women's /Men's) **16 hrs**
  - Research
  - Finalization of Theme
  - Sourcing
  - Fabric Board
  - Colour board
  - Finalization of Designs
  - Product Development
  - Flat sketch to Final Sketch based on theme
  - Preparation of Mood board
  - Photo shoot
  - Compose the above details as portfolio sheets

#### **Pedagogy:**

Lecture by chalk and talk, power point presentation, demonstration.

#### **Reference book:**

S.No.	Author	Title of the Book	Publishers	Year of publication
1	Parragon	Fashion Handbook: Everything You Need to Know About Style	Parragon Inc	( 1 February 2008)
2	Lisa Steinberg	Beginner's Guide to Sketching the Fashion Figure: Croquis to Design	Fairchild Books	(2 April 2020)
3	<u>Lisa Steinberg</u>	Beginner's Guide to Sketching the Fashion Figure	Bloomsbury Publishing	Feb 20 2020

#### **Course Designer:**

Dr.R.Radhika



Course Code	Course Name	Category	L	T	P	Credit
CF23C03	PATTERN MAKING AND GRADING	Theory	58	2	-	3

### Preamble

To impart knowledge on methods of pattern making, grading, pattern alteration and pattern layout.

### Course Learning Outcomes

On the successful completion of the course, students will be able to

CLOs Number	CLO Statement	Knowledge Level
CLO1	Identify body measurement	K1
CLO2	Differentiate between drafting and draping methods	K2
CLO3	Apply concepts of style variations from basic pattern	K3
CLO4	Provide solutions for pattern alterations and pattern layout	K4

### Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5
CLO1	S	S	S	S	M
CLO2	S	S	S	S	M
CLO3	S	S	S	S	M
CLO4	S	S	S	S	S

S- Strong; M-Medium

### Syllabus

#### UNIT I 12hrs

Body measurement – importance, preparing for measuring, ladies measurements, boys and men's measurements. Standardizing body measurements – importance, techniques used. Relative length and girth measures in ladies and gentlemen.

#### UNIT II 12hrs

Pattern making – method of pattern making – drafting and draping, merits and demerits. Types of paper patterns, patterns for personal measurements and commercial patterns. Principles of pattern drafting. Pattern details, steps in drafting basic bodice front, back and sleeve.

#### UNIT III 11hrs

Styles created by shifting of blouse darts, adding fullness to the bodice, converting darts to seam, partial yokes - incorporating darts in to seams forming yokes. Fitting - standards of a good fit, steps in preparing a blouse for fitting, checking the fit of a blouse, solving fitting problems in a blouse, fitting techniques.

#### UNIT IV 11hrs

Pattern alteration - importance of altering patterns, general principles for pattern alteration, common pattern alteration in a blouse. Pattern grading - definition, types, manual - master grades, basic front, basic back, basic sleeve, basic collar and basic grading.

#### UNIT V 12 hrs

Pattern layout- definition, purpose, rules in layout, principles of pattern layout, types of layouts for length wise striped designs, fabric with bold design, asymmetric designs and one-way designs. Remedies for insufficient cloth, fabric cutting, transferring pattern marking, stay stitching, ease stitching. Preparation of fabric for cutting

- importance of grain in cutting and construction, steps in preparing the fabric for cutting.

### **Pedagogy**

Lecture by chalk and talk, power point presentation, e-content, group discussion, assignment, quiz, peer learning, seminar.

### **TextBooks**

S.No.	Author	Title of the Book	Publishers	Year and edition
1	Mary Mathews	Practical Clothing Construction	Cosmic press Chennai	1986
2	Gerry cooklin	Pattern Grading for Women's Clothing	Blackwell Science Ltd	1990
3	Zarapker	Zarapker System of cutting	Navneet publications Ltd	2006
4	Conne Amaden	Crawford, "Fashion Sewing: Advanced Techniques"	Bloomsbury Publishing Plc., UK	2020 1 <sup>st</sup> Edition
5	Helen Joseph	Pattern Making for Fashion Design	Peason Educations, New Delhi	2013 5 <sup>th</sup> Edition
6	Kathy K. Mullet	Concepts of Pattern Grading Techniques for Manual and Computer Grading	Bloomsbury Publishing	2015 3 <sup>rd</sup> Edition
7	Sterlacci , Francesca	Pattern Making: Techniques for Beginners	Laurence King	2019
8	Nakamichi , Tomoko	Pattern Magic 3 English Edition.	Laurence King	2016

### **Reference Link**

<https://techpacker.com/blog/design/pattern-grading-in-the-fashion-garment-industry/>

<https://patternlab.london/home/what-is-pattern-grading-basic-pattern-making/>

<https://ebooks.inflibnet.ac.in/hsp07/chapter/basics-of-pattern-making-flat-pattern-method/>

<https://sewport.com/learn/pattern-making>

### **CourseDesigner:**

Dr.R.Radhika

Course Code	Course Name	Category	L	T	P	Credit
CF23P03	APPAREL DESIGN AND DEVELOPMENT LAB I	Practical	-	-	105	5

### Preamble

To train the students with designing, drafting and construction of children's garments.

### Course Learning Outcomes

On the successful completion of the course, students will be able to

CLOs Number	CLO Statement	Knowledge Level
CLO1	Enumerate the design and pattern development for children's garment.	K2
CLO2	Apply pattern layout skills to optimize fabric usage and construction of children garment	K3
CLO3	Calculate the cost estimation for constructed garment.	K4
CLO4	Determine design and product development for a particular garment	K4

### Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5
CLO1	S	S	S	S	S
CLO2	S	S	S	S	S
CLO3	S	S	S	S	S
CLO4	S	S	S	S	S

S- Strong

### Syllabus

- Designing and pattern development - baby set (jabla, panty, bib, bonnet) **10hrs**
- Garment development and cost estimation - baby set (jabla, panty, bib, bonnet) **15 hrs**
- Designing and pattern development - romper / baba suit **7 hrs**
- Garment development and cost estimation - romper / baba suit **10 hrs**
- Designing and pattern development - summer frock with embroidery **5 hrs**
- Garment development and cost estimation - summer frock with embroidery **8 hrs**
- Designing and pattern development - kurta and pyjama **5 hrs**
- Garment development and cost estimation - kurta and pyjama **10 hrs**
- Designing and pattern development - jumpsuit / shorts **5 hrs**
- Garment development and cost estimation - jumpsuit / shorts **10 hrs**
- Design Development (any one Garment) **10 hrs**
  - Research and theme
  - Design finalization and material sourcing
  - Measurements and specification sheets
- Product Development **10 hrs**
  - Pattern development and layout
  - Garment construction and image capture
  - Convert to design sheets

**Pedagogy**

Lecture by chalk and talk, power point presentation, demonstration, video.

**Text Books:**

S.No.	Author	Title of the Book	Publishers	Year and edition
1	Emma Hardy	Making Children's Clothes	Cico	2009
2	Laura strutt	Sewing for Babies and Children	Freelance	2017
3	Rene Bergh	Kids Clothes Sew Easy	Struik publisher	2003
4	Yoshiko Tsukiori	Girls Style Book	Tuttle publishing	2012

**Reference Link:**

<https://www.youtube.com/watch?v=yfg9XBGPovc>

<https://www.youtube.com/watch?v=0PJS8uCR988>

<https://www.youtube.com/watch?v=PNM7wJiVSUc>

**Course Designer:**

Dr.R.Radhika

Course Code	Course Name	Category	L	T	P	Credit
CF23AP3	DRAPING LAB	Practical	-	-	90	4

### Preamble

To teach the basic principles of draping and enable the students to create their own designs on a dress form using draping method.

### Course Learning Outcomes

On the successful completion of the course, students will be able to

CLOs	CLO Statement	Knowledge Level
<b>CLO1</b>	recognise fabric for draping basic pattern	K2
<b>CLO2</b>	translate the draped fabric as paper pattern	K2
<b>CLO3</b>	apply draping concepts for men's wear	K3
<b>CLO4</b>	experiment draping skills through women's wear	K4

### Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PL03	PL04	PL05
CLO1	S	M	L	S	S
CLO2	S	S	L	S	S
CLO3	S	M	L	S	S
CLO4	S	S	S	S	S

S- Strong; M-Medium; L-Low

### Syllabus

1. Preparation of dummies and fabric for draping	<b>5 hrs</b>
2. Draping front bodice	<b>6 hrs</b>
3. Draping back bodice	<b>6 hrs</b>
4. Draping basic sleeve	<b>6 hrs</b>
5. Draping raglan sleeve and cowl sleeve	<b>12 hrs</b>
6. Draping- peter pan, mandarin and shawl collar	<b>12 hrs</b>
7. Draping yokes –yoke with fullness (any three style) and midriff yoke.	<b>12 hrs</b>
8. Draping – T-shirt and trouser	<b>10 hrs</b>
9. Draping –skirt and full dress (gown / maxi)	<b>9 hrs</b>
10. Draping – innovative garment (male / female)	<b>12 hrs</b>

### Pedagogy

Lecture by chalk and talk, power point presentation, demonstration, video

### Reference Link:

<https://youtu.be/BhG9Sp3UutI>  
<https://youtu.be/SXNgrRp2EU4>  
[https://youtu.be/jJ\\_RnpbGzbc](https://youtu.be/jJ_RnpbGzbc)

**Course Designer:**

Dr.R.Radhika

Course Number	Course Name	Category	L	T	P	Credit
CS23SBGP	SBS I - Gen-AI	Practical	-	1	44	3

### Preamble

The objective of this course is to understand the breadth and depth of Generative Artificial Intelligence (Gen AI) and to impart knowledge on its ethical implications, practical applications, and emerging trends.

### Course Learning Outcomes

On the successful completion of the course, students will be able to

CLO Number	CLO Statement	Knowledge Level
CLO1	Understand the fundamental concepts and ethical considerations of generative AI.	K2
CLO2	Apply AI principles in practical settings using basic AI tools and platforms	K3
CLO3	Develop advanced skills in specialized AI applications such as text analysis, natural language processing, and image recognition.	K3
CLO4	Explore emerging trends in AI, integrating advanced AI tools into diverse professional practices.	K4

### Mapping with Programme Outcomes

CLOs	PO1	PO2	PO3	PO4	PO5
CLO1	S	S	S	S	M
CLO2	S	S	S	S	S
CLO3	S	S	M	S	S
CLO4	S	M	S	M	S

S- Strong; M-Medium;

### SBS I: Gen-AI - CS23SBGP

(44 Hrs)

#### Unit 1: Introduction to Gen AI

(9 hours)

Understanding Gen AI: Definition and scope of Gen AI - Overview of its applications in various fields - Introduction to essential skills needed for Gen AI. Ethical Considerations: Discussion on ethical guidelines and responsible use of AI - Understanding the impact of AI on society and individuals.

#### Hands-on Activity: Exploring AI Tools

- Working with appropriate content creation Gen-AI tools to engage with ChatGPT to explore various subjects, simulate interviews, or create imaginative written content.
- Working with appropriate writing and rephrasing Gen-AI tools to drafting essays on designated topics and refining the content with improved clarity, coherence, and correctness.

#### Unit 2: Basic AI Concepts

(8 hours)

Introduction to AI: Basic concepts and terminology of artificial intelligence - Examples of AI in everyday life - Real-world examples of AI applications in different domains. Machine Learning Basics: Understanding the principles of machine learning - Overview of supervised and unsupervised learning.

**Hands-on Activity: Simple AI Projects**

- Working with appropriate educational content creation Gen-AI tools to generate quizzes and flashcards based on classroom material.
- Working with appropriate language learning Gen-AI tools to practice and enhance language skills through interactive exercises and games across multiple languages.

**Unit 3: AI in Practice****(9 hours)**

Text Analysis and Natural Language Processing (NLP): Introduction to NLP concepts and techniques - Hands-on exercises analyzing text data and extracting insights. Image Recognition and Processing: Basics of image recognition algorithms and techniques - AI Tools for Text and Image Processing

**Hands-on Activity: Text and Image Projects**

- Working with appropriate image processing Gen-AI tools to experiment with AI-generated images.
- Working with appropriate object recognition Gen-AI tools to identify various objects such as text, images, products, plants, animals, artworks, barcodes, and QR codes.

**Unit 4: AI for Productivity and Creativity****(9 hours)**

AI-enhanced Productivity and creativity Tools: Overview of productivity and creativity tools enhanced with AI capabilities - Tips for integrating AI into daily tasks and workflows. AI and Jobs: Exploring how AI impacts jobs and industries - Discussion on opportunities and challenges - Exploration of AI-powered creative tools and applications.

**Hands-on Activity: Productivity and Creativity**

- Working with appropriate content creation Gen-AI tools to generate interactive videos / blog posts / art / drawing / music and storytelling experience.
- Working with appropriate resume generation Gen-AI tools to create professional resumes efficiently.

**Unit 5: Future of Gen AI and Final Project****(9 hours)**

Emerging Trends in Gen AI - Applications of Generative AI - Ethical and Societal Impact of Gen AI - Future Directions and Challenges - Case Studies in Generative AI.

**Hands-on Activity: Trends in Gen AI**

- Working with appropriate speech generation Gen-AI tools to customize synthetic speech for virtual assistance across different applications.
- Working with appropriate data analysis Gen-AI tools to perform data analysis, visualization, and predictive modeling tasks.
- Working with appropriate Gen-AI design tools to simplify the creation of visually appealing presentations.
- Working with appropriate website builder Gen-AI tools to develop professional websites with AI assistance.

**Pedagogy**

Demonstration of AI Tools, Lectures and Case studies.

**Course Designer:**

Mrs. S. Ponmalar



Course Code	Course Name	Category	L	T	P	Credit
CF23C04	TEXTILE SCIENCE	Theory	58	2	-	4

### Preamble

To impart knowledge on the process sequence involved in fibre to fabric development.

### Course Learning Outcomes

On the successful completion of the course, students will be able to

CLOs Number	CLO Statement	Knowledge Level
CLO1	Identify the textile fibres	K1
CLO2	Associate the classification and properties of different fibres	K2
CLO3	Discover the process involved in fabric manufacturing	K3
CLO4	Analyze the procedure involved in other fabrication methods	K4

### Mapping with Programme Learning Outcomes

CLOs	PL01	PL02	PL03	PL04	PL05
CLO1	M	M	M	M	S
CLO2	M	M	M	M	S
CLO3	M	M	M	M	S
CLO4	M	M	M	L	S

S- Strong; M-Medium; L-Low

### Syllabus

#### Unit-I

11 hrs

Classification of textile fibres. Properties and manufacturing process of natural fibres- cotton, linen, jute, bamboo, silk, wool hair fibres.

#### Unit-II

10 hrs

Properties and manufacturing process of manmade fibres – viscose, rayon, polyester, nylon, acrylic, polypropylene and new manmade fibres – aramid and carbon, recycled fibres (RPET).

#### Unit-III

13 hrs

Yarn: Definition, classification– simple and fancy yarns. Sequential process of yarn development - blending, opening, cleaning, carding, combing, drawing, roving, spinning and winding. Types of spinning – OE, Vortex, ring and air-jet spinning. Sewing thread and its properties.

#### Unit-IV

12 hrs

Parts of hand loom and its functions. Types of looms – handloom, semiautomatic (Chittaranjan loom) and power loom. Shuttle and shuttleless looms - pit loom, stand loom, frame loom, rapier, air-jet,

projectile/missile, multiphase and water jet loom – Sequential process in weaving - warping, sizing, beaming and weaving.

## Unit-V

12 hrs

Knitting - definition – classification and types of knitting. weft knitting- single jersey, rib, interlock and jacquard, warp knitting – tricot and rachel. Circular knitting machine – parts and functions. Non-woven - definition, types of non-woven, manufacturing process and properties of felting, fusing, bonding, and lamination.

### Pedagogy:

Lecture by chalk and talk, power point presentation, e-content, group discussion, assignment, quiz, peer learning, seminar.

### Text Books

S.No.	Author	Title of the Book	Publishers	Year and edition
1	GOHL	Textile Science	CBS	January 2005 – 2 <sup>nd</sup> Edition
2	Rastogi Deepali, Chopra Sheetal	Textiles Science	Orient Blackswan Private Limited	April 2017 – 1 <sup>st</sup> Edition
3	S.P. Mishra	A Textbook Of Fibre Science And Technology	New Age Publishers	January 2000 – 1 <sup>st</sup> Edition

### Reference Books

S.No.	Author	Title of the Book	Publishers	Year and edition
1	MATHER R.R.	The Chemistry of Textile Fibres	RSC Publishing	January 2015 Edition
2	Bernard P. Corbman	Textiles: Fiber to Fabric	McGraw Hill Education	November 1985 – 6 <sup>th</sup> Edition

### Reference link:

<https://tinyurl.com/3e8xt6ha>  
<https://tinyurl.com/y3syeytb>  
<https://tinyurl.com/bdfrn4zs>

### Course Designer:

- Dr.P.Anathi
- R.SaranyaDevi

Course Code	Course Name	Category	L	T	P	Credit
CF23P04	APPAREL DESIGN AND DEVELOPMENT LAB II	Practical	-	-	105	4

### Preamble

To train the students with designing, drafting and constructing women's and men's garments.

### Course Outcomes

On the successful completion of the course, students will be able to

CLOs Number	CLO Statement	Knowledge Level
CLO1	Illustrate the design and pattern	K2
CLO2	Apply pattern layout skills to optimize fabric usage and construct garment	K2
CLO3	Calculate the cost estimation for constructed garment	K3
CLO4	Determine design and product development for particular garment	K4

### Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PL03	PL04	PL05
CLO1	S	S	M	S	S
CLO2	S	S	S	S	S
CLO3	S	M	S	S	S
CLO4	S	S	S	M	M

S- Strong; M-Medium

### Syllabus

1. Designing and pattern development Skirt- plain / circular / panel **7 hrs**
  2. Garment development and cost estimation Skirt- plain / circular / panel **10 hrs**
  3. Designing and pattern development Salwar and kameez **7 hrs**
  4. Garment development and cost estimation Salwar and kameez **13 hrs**
  5. Designing and pattern development Saree Blouse with sleeves **7 hrs**
  6. Garment development and cost estimation Saree Blouse with sleeves **12 hrs**
  7. Designing and pattern development Formal shirt **10 hrs**
  8. Garment development and cost estimation - Formal shirt **13 hrs**
  9. Designing and pattern development Formal trousers **8 hrs**
  10. Garment development and cost estimation - Formal trousers **12 hrs**
  11. Design Development (any one Garment) **6 hrs**
    - Research and theme
    - Design finalization and material sourcing
    - Measurements and specification sheets
- Product Development
- Pattern development and layout
  - Garment construction and image capture
  - Convert to design sheets

**Pedagogy:**

Lecture by chalk and talk, power point presentation, demonstration.

**Text Book:**

S.No.	Author	Title of the Book	Publishers	Year and Edition
1	David Page Coffin	Sewing shirt with a perfect fit	Creative Publishing International	2018 December – 1 <sup>st</sup> Edition-
2	Claire Wagnier	Men's garments become a pattern drafter	Esmod Editions	November 2012

**Reference link :**

Ex No: 2 -<https://www.stylecraze.com/articles/types-of-skirts/>

Ex No: 4 -[https://www.youtube.com/watch?v=103QGBR\\_pAY](https://www.youtube.com/watch?v=103QGBR_pAY)

**Course Designers:**

- Dr.R.Tryphena
- P.Praveena

Course Code	Course Name	Category	L	T	P	Credit
CF23AP4	COMPUTER AIDED APPAREL DESIGNING LAB	Practical	-	-	90	4

### Preamble

To gain skill in pattern making, grading and marker planning with CAD software.

### Course Outcomes

On the successful completion of the course, students will be able to

CLOs Number	CLO Statement	Knowledge Level
CLO1	Identify key tools and basic commands on CAD software	K2
CLO2	Illustrate pattern for designed garment	K2
CLO3	Apply grading in pattern using CAD technique	K3
CLO4	Generate marker planning for graded pattern	K4

### Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5
CLO1	S	S	S	S	S
CLO2	S	S	S	S	M
CLO3	S	S	S	S	M
CLO4	S	S	S	S	S

S- Strong; M-Medium

### Syllabus

- |     |  |        |
|-----|--|--------|
| 1.  | Software basics – tool kit, features and techniques  | 5 hrs  |
| 2.  | Create/compile a portfolio with the following details – theme board, mood board, colour board and swatch board   | 6 hrs  |
|     | <ul style="list-style-type: none"> <li>• Surface Ornamentation samples</li> <li>• Mens /Womens /Childrens Garment</li> <li>• Fashion Illustration</li> </ul> |        |
| 3.  | Design and pattern development for T shirt   | 12 hrs |
| 4.  | Grading and marker efficiency for T shirt  | 8 hrs  |
| 5.  | Design and pattern development for kurta   | 13 hrs |
| 6.  | Grading and marker efficiency for kurta  | 8 hrs  |
| 7.  | Design and pattern development for full sleeve shirt   | 12 hrs |
| 8.  | Grading and marker efficiency for full sleeve shirt  | 8 hrs  |
| 9.  | Design and pattern development for trousers- narrow bottom / bellbottom  | 10 hrs |
| 10. | Grading and marker efficiency for trousers- narrow bottom / bellbottom   | 8 hrs  |

### Pedagogy:

Lecture by chalk and talk, power point presentation, demonstration.

**Text Book:**

S.No.	Author	Title of the Book	Publishers	Year and Edition
1	Armstrong	Patternmaking for Fashion Design	Pearson Education India	January 2013 – 5 <sup>th</sup> Edition
2	Kathy K. Mullet	Concepts of Pattern Grading: Techniques for Manual and Computer Grading	Fairchild Books	November 2015 – 3 <sup>rd</sup> Edition

**Reference Book:**

S.No.	Author	Title of the Book	Publishers	Year and Edition
1	Michele Lininger	Patternmaking and Grading Using Gerber's AccuMark Pattern Design Software	Pearson	February 2015 – 1 <sup>st</sup> Edition

**Reference link:**

[https://youtu.be/jTWtQNTJt\\_A](https://youtu.be/jTWtQNTJt_A)

<https://youtu.be/6iiSJ9AcYh8>

<https://youtu.be/DvIJHJfXJk>

**Course Designers:**

- Dr.S.Thamaraisevli
- Manjusha K.J

Course Code	Course Title	Category	L	T	P	Credit
CF23C05	TEXTILE PROCESSING	Theory	58	2	-	4

### Preamble

To familiarize the students with different textile pretreatment processes and finishing processes.

### Course Outcomes

On the successful completion of the course, students will be able to

CLOs Number	CLO Statement	Knowledge Level
CLO1	Interpret the various process and methods of fabric pre-treatment.	K1
CLO2	Describe the stages of dyeing, printing and finishing.	K2
CLO3	Explain the process of dyeing, printing and finishing.	K3
CLO4	Analyze textile effluent management system.	K4

### Mapping with Programme Outcomes

CLOs	PLO1	PLO2	PL03	PL04	PL05
CLO1	M	S	L	M	S
CLO2	M	S	L	M	S
CLO3	M	S	L	M	S
CLO4	S	S	S	S	S

S- Strong; M-Medium; L-Low

### Syllabus

#### Unit-I

12 hrs

Primary sequential process - flow and methods. Woven fabrics - singeing, desizing, scouring, bleaching, mercerization; knitted fabric - scouring - bleaching – calendaring - shrink controlling - steaming. Other processes - heat setting – synthetic fabric, carbonizing - wool, weighting - silk. Processing equipment – kier, winch, jigger, padding mangle, steamer, stenter, J box. Latest equipment.

#### Unit-II

13 hrs

Pre-treatment and types – singeing, desizing, bleaching, mercerization and its types. Equipment and chemicals used. Eco-friendly processing – bio-scouring, bio-desizing and bio- polishing. Defects in pre-treatment – causes and remedies

#### Unit-III

12 hrs

Introduction to dyeing - classification of colorants and pigments. Natural dyes – importance, sources and dyeing methods. Fastness properties of dyes. Dyeing machines - fiber, yarn, fabric and garment dyeing machines – conical/radial flow loose stock dyeing machine - hank dyeing machine - jet dyeing machine – rotary drum garment dyeing machine, continuous dyeing winch. Dyeing of trims and accessories. Latest development – Smart and functional dyeing – Digital dyeing technology.

#### Unit – IV

11 hrs

Printing - styles of printing - direct - discharge - resist styles. Components of printing paste – colorant, thickener, binder, fixing agent, auxiliaries, water. Methods of printing - screen printing - automatic screen

printing - roller printing - rotary printing - transfer printing. Fixation and after treatment. Implementation of latest printing techniques

#### Unit–V

10 hrs

Textile Effluent Management - Introduction to textile effluents - types of effluents – concept of zero discharge - sludge disposal. Process flow of effluent treatment - flocculation, coagulation, oxidation, sedimentation and filtration, reuse of textile waste water. Structure of effluent treatments plants – CETP. Analysis parameters of effluents – pH, colour, TSS, TDS, COD, BOD. Latest development in effluent treatment methods and government regulation.

#### Pedagogy:

Lecture by chalk and talk, power point presentation, e-content, assignment, quiz, seminar.

#### Text Books

.No.	Author	Title of the Book	Publishers	Year and edition
1	Mohammad Shahid, Ravindra Adivarekar	Advances in Functional Finishing of Textiles	Springer Singapore	2020 1 <sup>st</sup> Edn
2	Michael Hann	Textile Design: Products and Processes	Routledge	2019 1 <sup>st</sup> Edn
3	Jung Ha-Brookshire	Global Sourcing in the Textile and Apparel Industry	Fairchild Books	2024 3 <sup>rd</sup> Edn
4	K. Mahadevan, R. Anbarasu	Textile Finishing	SITRA (South India Textile Research Association)	2020 2 <sup>nd</sup> Edn

#### Reference Books

S.No.	Author	Title of the Book	Publishers	Year and edition
1	Burkhard Wulfhorst, Thomas Gries	Textile Technology	Springer	2006 1 <sup>st</sup> Edn
2	Asim Kumar Roy Choudhury	Principles of Textile Printing	CRC Press	2022 1 <sup>st</sup> Edn
3	Roshan Paul	Sustainable Innovations in the Textile Industry	Woodhead Publishing	2024 1 <sup>st</sup> Edn
4	Yordan Kyosev	Braiding Technology for Textiles	Woodhead Publishing	2014 1 <sup>st</sup> Edn

#### Reference Link:

- <https://www.dow.com/en-us/market/mkt-textile-leather-nonwoven/sub-textiles-pre-treatment-processing.html>
- <https://www.slideshare.net/sheshir/mercerization>
- <https://textilelearner.net/different-types-of-textile-dyeing-machines/>
- <https://www.britannica.com/topic/textile/Printing>
- <https://www.hindawi.com/journals/jchem/2021/5314404/>



## Course Designer

- Dr.R.Radhika
- Dr.P Ananthi

Course Code	Course Title	Category	L	T	P	Credit
CF23P05	SUSTAINABLE TEXTILE PROCESSING AND PRINTING LAB	Practical	-	-	90	4

### Preamble

To develop skill on eco - friendly preparatory, dyeing and printing process.

### Course Learning Outcomes

On the successful completion of the course, students will be able to

CLO Number	CLO Statement	Knowledge Level
CLO1	Identify the techniques of eco-friendly preparatory, printing and dyeing process.	K2
CLO2	Select eco-friendly auxiliaries for printing and dyeing the fabrics.	K3
CLO3	Demonstrate the methodology for dye preparation and colouration using sustainable practices	K3
CLO4	Experiment with colours and techniques for new product development.	K4

### Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PL03	PL04	PL05
CLO1	M	S	S	S	S
CLO2	M	M	S	S	M
CLO3	M	M	S	S	M
CLO4	S	S	S	S	M

S- Strong; M-Medium

### Syllabus

- Preparation of samples for Processing (Eco Friendly process) **8 hrs**  
(i) Bio-Desizing (ii) Bio-Scouring (iii) Bio-Polishing
- Block printing – create design with vegetable block **5 hrs**
- Block printing – develop design with wooden block **5 hrs**
- Create design for chest print/ neck /yoke designs with stencil printing. **5 hrs**
- Tie and dye designs with any three tie methods with and  
(i) Single natural dyes **8 hrs**  
(ii) Double natural dyes **8 hrs**
- Development of a patterned fabric using tie and dye technique **9 hrs**
- Batik printing for any three motifs with single/ double /multiple colours using natural dyes **10 hrs**
- Print a design using screen printing methods with single/ double using natural dyes **10 hrs**
- Create a print design with a combination of any two print techniques for any one product **12 hrs**
- Develop a print / dye pattern design for a shawl. **10 hrs**

### Pedagogy:

Lecture by chalk and talk, power point presentation, demonstration, video.

### Text Books

S.No.	Author	Title of the Book	Publishers	Year and edition
1	Richard Blackburn	Sustainable Textiles: Life Cycle and Environmental Impact	Woodhead Publishing	2009 1 <sup>st</sup> Edn
2	Rajkishore Nayak, Rajiv Padhye	Sustainable Manufacturing Practices in the Textiles and Apparel Industry	Springer	2025 1 <sup>st</sup> Edn
3	Subramanian Senthilkannan Muthu, Miguel Angel Gardetti	Sustainability in the Textile Industry	Springer	2016 1 <sup>st</sup> Edn

### Reference Books

S.No.	Author	Title of the Book	Publishers	Year and edition
1	Javed N. Sheikh	Sustainable Textile Chemical Processing	Routledge	2023 1 <sup>st</sup> Edn
2	Padma S. Vankar	Natural Dyes for Sustainable Textiles	Elsevier	2023 1 <sup>st</sup> Edn
3	Kate Fletcher	Sustainable Fashion and Textiles: Design Journeys	Earthscan	2008 1 <sup>st</sup> Edn

### Reference link:

[https://youtu.be/I\\_8k1cLr1Vo](https://youtu.be/I_8k1cLr1Vo)

<https://www.housebeautiful.com/lifestyle/fun-at-home/a32907155/natural-dyes-for-tie-dye/>

<https://www.youtube.com/watch?v=sCtEdhUxt9I>

### Course Designer:

- Dr.P.Ananthi
- P.Praveena

Course Code	Course Title	Category	L	T	P	Credit
CF23P06	COMPUTER AIDED DESIGNING LAB	Practical	-	-	90	5

### Preamble

To enhance proficiency of garment design using CAD software.

### Course Learning Outcomes

On the successful completion of the course, students will be able to

CLOs Number	CLO Statement	Knowledge Level
CLO1	Identify the different components of croquis.	K2
CLO2	Demonstrate different types of poses.	K3
CLO3	Illustrate flat sketch for apparels.	K3
CLO4	Discriminate garment components using software.	K4
CLO5	Assemble spec sheet for different types of apparels.	K4

### Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PL03	PL04	PL05
CLO1	M	S	S	S	S
CLO2	M	M	S	S	M
CLO3	M	M	S	S	M
CLO4	S	S	M	M	S

S- Strong; M-Medium

### Syllabus

Create the following designs

1. Illustrate croquis components - face and hair, hand and leg for children (boy and girl), women and men **10 Hrs**
2. Develop croquis with casual, stylish and confident poses for children (boy and girl) **8 Hrs**
3. Develop croquis with casual, glamour and confident poses for women and men **8 Hrs**
4. Design and develop components of garment (each any three): **10 Hrs**
  - Pocket – box pleat flap, inverted pleat, cargo, saddle, welt pocket with tab
  - Collar – mandarin, tie neck, peter pan, notched, button down
  - Sleeve – cap, Juliet, bell, tulip, virago
  - Cuff – straight button, corner cut, roll up, neopolitan, long button
  - Placket – basic, ruffled, scalloped, concealed, zipper
  - Yoke – Round yoke, yoke with fullness, midriff yoke, shoulder yoke, notched yoke
5. Design and develop flat sketch - casual wear for boy (graphic print) **5 Hrs**
6. Design and develop flat sketch - casual wear for girl (all over print) **6 Hrs**
7. Design and develop flat sketch - partywear for women (shimmer / embossed) **5 Hrs**
8. Design and develop flat sketch - casual dress for men (plaid/ check/stripe) **6 Hrs**
9. Create spec sheet for boy - summer wear **8 Hrs**
10. Create spec sheet for girl - knit wear **8 Hrs**

11. Create spec sheet for women - party wear
12. Create spec sheet for men - corporate wear

**8 Hrs**

**8 Hrs**

### **Pedagogy:**

Lecture method, PPT presentation, demonstration, video.

### **Text Books**

S.No.	Author	Title of the Book	Publishers	Year and edition
1	Import, Winifred Aldrich	CAD in Clothing and Textiles	Paperback	1994 2 <sup>nd</sup> Edn
2	Melanie Bowles, Ceri Isaac	Digital Textile Design	Second edition Paperback	2012 2 <sup>nd</sup> Edn

### **Reference Books**

S.No.	Author	Title of the Book	Publishers	Year and edition
1	Melanie Bowles	Print, Make, Wear: Creative Projects for Digital Textile Design,	Paperback, The People's Print	2015, 1 <sup>st</sup> Edn
2	Jane D. Espinoza-Alvarado	Computer Aided Fashion Design Using Gerber Technology	Fairchild Books	2018, 1 <sup>st</sup> Edn

### **Reference link:**

<https://www.youtube.com/watch?v=Gpj6g8tELm4>  
<https://www.youtube.com/watch?v=Pyfw3FqIWmo>  
<https://www.youtube.com/watch?v=6lNzkXvCPs4>  
<https://www.youtube.com/watch?v=Dg1DKPnc5K4>

### **Course Designer:**

- Dr.M.MaliniDevi
- R.SaranyaDevi

Course Code	Course Title	Category	L	T	P	Credit
CF23P07	DESIGN RESEARCH LAB	Practical	-	-	90	5

#### Preamble

To familiarize basic techniques used in design research.

#### Course Learning Outcomes

On the successful completion of the course, students will be able to

CLO Number	CLO Statement	Knowledge Level
CLO1	Associate design research and ideation	K2
CLO2	Relate to forecasts in fashion	K3
CLO3	Illustrate theme based visual representation.	K3
CLO4	Predict the requisites for client profile.	K4
CLO5	Connect different design features for presentation.	K4

#### Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5
CLO1	M	S	S	S	M
CLO2	M	S	S	S	M
CLO3	M	S	S	S	M
CLO4	M	S	S	S	S

S- Strong; M-Medium

#### Syllabus

The following have to be prepared:

1.	Curriculum vita	5Hrs
2.	Page of content	4 Hrs
3.	Design Research	7 Hrs
4.	Mind map	8 Hrs
5.	Conceptualization and Ideation	9 Hrs
6.	Boards - Mood board - Theme board/story board - Colour board	10 Hrs
7.	Boards -Forecast board	9 Hrs
8.	Boards -Fabrics sourcing board - Trims sourcing board	10 Hrs
9.	Client profile	7 Hrs
10.	Fashion Illustration presentation board for Kid – 2 designs	7 Hrs
11.	Fashion Illustration presentation board for Men – 2 designs	7 Hrs
12.	Fashion Illustration presentation board for Women – 2 designs	7 Hrs

#### Pedagogy:

Lecture by chalk and talk, power point presentation, video presentation, demonstration.

#### Reference link:

<https://shorturl.at/hnW39>

<https://shorturl.at/FRV09>

<https://shorturl.at/mptZ0>

<https://shorturl.at/knW24>

**Course Designer:**

- Manjusha K.J
- P.Praveena

Course Code	Course Title	Category	L	T	P	Credit
CF23E01	FABRIC FORMATION TECHNIQUES	Theory	43	2	-	3

### Preamble

To propel basic techniques and principles of fabric structure in woven, knitted and non- woven fabrics.

### Course Learning Outcomes

On the successful completion of the course, students will be able to

CLOs Number	CLO Statement	Knowledge Level
CLO1	Recall the fundamental techniques associated with fabric formation.	K1
CLO2	Identify the fabric structure of woven, knitted and non- woven materials	K2
CLO3	Differentiate fundamentals of fabric structure and design.	K3
CLO4	Relate cause and remedies of fabric defects.	K4

### Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PL03	PL04	PL05
CLO1	M	M	S	S	S
CLO2	M	M	S	S	S
CLO3	M	M	S	S	S
CLO4	M	M	S	S	S

S- Strong; M-Medium

### Syllabus

#### UNIT-I

9 hrs

Introduction to weaving – classification of woven structure and method of woven structure representation. Elements of woven design - design, draft and peg plan. Plain weave, its modification – warp rib- weft rib and matt rib - their derivatives, characteristics and its application.

#### UNIT-II

9 hrs

Twill weave, classification – ordinary, zig zag, pointed, satin, sateen, cork screw, combination, broken, transposed – their derivatives, characteristics and its application. Honey comb weave, classification - ordinary and brighton, Huck a Back weave, Crepe weave their derivatives, characteristics and its application. Extra warp and extra weft figuring – single and double colours.

#### UNIT-III

9 hrs

Bedford weave, classification – plain faced – twill faced. Welt weave, classification – ordinary – weft wadded their derivatives, characteristics and its application. Mock leno, classification – perforated – distorted their derivatives, characteristics and its application. Backed fabric - warp and weft backed fabrics, Pile weave – classification – warp pile – weft pile their derivatives, characteristics and its application. Dobby weave – Jacquard weave Defect analyses of woven structure - causes and remedies.

#### UNIT-IV

8 hrs



Introduction to knitting. Knitting terminology – Loop formation – stitch density – knitting notation- knitting cylinder and dial. Weft Knit structure-plain, rib, interlock, pique. Warp Knit structure-tricot, raschel, flat knit, seamless knitting. Defect analysis of knit structure - causes and remedies

## UNIT-V

8 hrs

Introduction to non - woven, basic methods - lamination, bonding, braiding. Types of non-woven – needle punched, spun bond, melt blown, spun lace, chemical-bonded, thermal-bonded. Identification of non-woven defects - causes and remedies.

### Pedagogy:

Lecture by chalk and talk, power point presentation, e-content, group discussion, assignment, quiz, peer learning, seminar.

### Text Books

S.No.	Author	Title of the Book	Publishers	Year and edition
1	Solinger, Jacob	Apparel Manufacturing Analysis	Newyork	2016 4 <sup>th</sup> Edn
2	Solinger, Jacob	Apparel Manufacturing - Hand book analysis principles and practice	Columbia media corp	2018 4 <sup>th</sup> Edn
3	Prabirkumar Banerjee	Principles of Fabric Formation	CRC Press edition	2013 2 <sup>nd</sup> Edn
4	B.Purushothama	Hand Book of Fabric Manufacturing	Woodhead Publishing India in Textiles	2016 1 <sup>st</sup> Edn

### Reference Books

S.No.	Author	Title of the Book	Publishers	Year and edition
1	Kumar Banerjee	Meripustak-Principle of Fabric Formation	T&F –India	2018 1 <sup>st</sup> Edn
2	Dr.Mukesh Kumar Singh	Industrial Practices in Weaving Preparatory	Wood head	2014 1 <sup>st</sup> Edn
3	N. Gokarneshan	Fabric Structure and Design	New Age International	2020 3 <sup>st</sup> Edn

### Reference link:

<https://www.sciencedirect.com/topics/engineering/flat-knitting-machine>

<https://www.shimaseiki.com/wholegarment/>

<https://www.textiletoday.com.bd/types-non-woven-fabrics-manufacturing-processes-applications/>

[http://ddugu.ac.in/ePathshala\\_Attachments/STUDY420@316958.pdf](http://ddugu.ac.in/ePathshala_Attachments/STUDY420@316958.pdf)

### Course Designer

- Dr.R.Radhika
- Dr.M.MaliniDevi

Course Code	Course Title	Category	L	T	P	Credit
CF23E02	TECHNICAL TEXTILES	Theory	43	2	-	3

### Preamble

To develop knowledge about function and application of different types of technical textiles.

### Course Learning Outcomes

On the successful completion of the course, students will be able to

CLO Number	CLO Statement	Knowledge Level
CLO1	Recall the properties and characteristics of technical textiles.	K1
CLO2	Generalise the classifications and applications of technical textiles	K2
CLO3	Examine uses of technical textiles	K3
CLO4	Relate recent trends of technical textiles	K4

### Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5
CLO1	S	S	M	S	S
CLO2	S	S	S	S	S
CLO3	M	S	S	S	S
CLO4	M	S	S	S	S

S- Strong; M-Medium

### Syllabus

#### UNIT I

**9 Hours**

Technical textiles - Introduction, definition, scope, classifications, applications, growth and development - future of technical textiles, global technical textile market, Indian technical textile market. National technical textiles mission (NTTM). Recent trends in technical textiles.

#### UNIT II

**8 Hours**

Buildtech, Indutech and Geotech - Buildtech - introduction, definition, types of fibers used, functions, properties, characteristics and applications in Architecture and building construction. Indutech - introduction, definition, types of fibers used functions, properties, characteristics and applications in filtration and other industrial uses. Geotech - introduction, definition, types of fibers used, functions, properties, characteristics and applications in highway constructions.

#### UNIT III

**8 Hours**

Medtech, protech and Sportech – Medtech – introduction, definition, types of fibers used, functions, properties, characteristics and applications in healthcare system. Protech – introduction, definition, types of

fibers used, functions, properties, characteristics and applications for personnel working in hazardous environment. Sportech – introduction, definition, types of fibers used, functions, properties, characteristics and applications in sports technology.

#### UNIT IV

**10 Hours**

Oekotech, Agrotech and mobitech – Oekotech – introduction, definition, types of fibers used, functions, properties, characteristics and applications in environmental protection. Agrotech – introduction, definition, types of fibers used, functions, properties, characteristics and applications for fosters innovation in agriculture. Mobitech – introduction, definition, types of fibers used, functions, properties, characteristics and applications in digital farming solutions, greenhouses, micro and community irrigation.

#### UNIT V

**8 Hours**

Clothtech, Homotech and Packtech – Clothtech-introduction, definition, types of fibers used, functions, properties, characteristics and applications in clothing, luggage and other bags. Homotech – introduction, definition, types of fibers used, functions, properties, characteristics and applications in furniture and interior decoration, sun protection, fireproofing and wall coverings. Packtech – introduction, definition, types of fibers used, functions, properties, characteristics and applications for wrapping apparels.

#### Pedagogy:

Lecture by chalk and talk, power point presentation, e-content, assignment, quiz, seminar.

#### Text Books

S.NO	Name of the Authors	Title of the book	Publishers	Year and edition
1.	Gopalakrishnan D & P. Vinayagamurthi	Technical Textiles	Daya Publishing House	2019 1 <sup>st</sup> Edn
2.	Dr. S. Periyasamy Dr. G. Thilagavathi	Industrial Textiles	Wood head Publishing India	2020 1 <sup>st</sup> Edn
3.	Robert M Koerner	Designing with Geo-synthetics	Prentice hall Inc	2012 6 <sup>th</sup> Edn

#### Reference Books

S.NO	Name of the Authors	Title of the book	Publishers	Year and edition
1	Raul Jewel	Textile Testing	APH Publishing Corporation	2005 1 <sup>st</sup> Edn
2	Dr.S.Grace Anna-poorani	Technical Textiles and its Application	LASER Park Publishing House, India	2017 1 <sup>st</sup> Edn

#### Reference link:

<https://ittaindia.org/abouttechnicaltextile>.

<https://www.loomia.com/blog/passive-vs-active-smart-textiles>.

<https://textilelearner.blogspot.com/2020/03/nfc-embedded-smart-textiles.html>

<https://www.technical-textiles.net>

### **Course Designer**

- Dr.R.Radhika
- T.Prathiusa

Course Code	Course Title	Category
CF22AC1	ALC-I Visual Merchandising	Theory

## UNIT 1

15 hrs

### Introduction to Visual Merchandising

Visual merchandising-definition, objectives and scope ,visual merchandising and display- elements of visual merchandising, techniques of visual merchandising, purpose of visual merchandising, store image, target customers, seasonal visual merchandise.

## UNIT II

15 hrs

### Display and Display Settings

Types of display - promotion vs institutional display, type of display setting attention drawing devices – colour, lighting, line and composition, scale, contrast, repetition, humour, surprise and shock.

## UNIT III

15 hrs

### Store and Window Settings

Store design, study about props, decorative, signage, windows, exterior of the store, window in store front design, display window, special windows, focal points, island displays, risers and platforms, the runway the catwalk, counters and display cases, museum cases, demonstration cubes, ledges, shadow boxes, enclosed displays, fascia, walls.

## UNIT IV

15 hrs

### Mannequins and Fixtures

Mannequins and other human forms, alternatives to mannequins. Criteria for selection of fixtures, dressing fixtures, modular fixtures. Store exterior – signs, marquees, outdoor lighting, banners, planters, awnings, windows in storefront design, store fronts.

## UNIT V

15 hrs

### Merchandise Display

Planning a display - point of purchase display, industrial display, fashion shows, trade organizations and sources. Visual merchandiser in store promotion, scheduling the promotion, fashion promotion and communication. Role of visual merchandising in changing face of retailing.

### Text Books

S.No.	Author	Title of the Book	Publishers	Year and edition
1	Jeannette Jar-now, Dickerson	Inside the Fashion Business	Prenticehall, USA	1996 6 <sup>th</sup> Edn
2	Darlie Koshy	Effective export marketing of Apparel	Global business press	1995 1 <sup>st</sup> Edn
3	Pegler M.M	Visual Merchandising and Display	Fair child Publications, NewYork	2001 4 <sup>th</sup> Edn

## Reference Books

S.No.	Author	Title of the Book	Publishers	Year and edition
1.	Martin M. Pegler	Visual Merchandising and Display	Fairchild Books	2018 7 <sup>th</sup> Edn
2.	Judy Bell and Kate Ternus	Silent Selling: Best Practices and Effective Strategies in Visual Merchandising	Fairchild Books	2017 5 <sup>th</sup> Edn
3.	Tony Morgan	Visual Merchandising: Windows and In-Store Displays for Retail	Laurence King Publishing	2022 4 <sup>th</sup> Edn
4.	Sarah Bailey and Jonathan Baker	Visual Merchandising for Fashion	Bloomsbury Visual Arts	2014 2 <sup>nd</sup> Edn

## Reference link:

<https://textilelearner.net/visual-merchandising/>

<https://textilelearner.net/role-of-merchandiser-in-garment-industry/>

<https://www.google.com/amp/s/www.fibre2fashion.com/industry-article/3460/visual-merchandising->

<https://www.fibre2fashion.com/industry-article/1810/visual-merchandising>

## Course Designer:

- Manjusha K.J

Course Code	Course Title	Category	L	T	P	Credit
CF23SB01	APPAREL QUALITY CONTROL	Theory	43	2	-	3

### Preamble

To gain knowledge on apparel quality standards.

### Course Outcomes

On the successful completion of the course, students will be able to

CLOs Number	CLO Statement	Knowledge Level
CLO1	Understand quality specifications for garment processing	K1
CLO2	Identify fundamentals of quality management	K2
CLO3	Relate various production control process	K3
CLO4	Analyse textile quality standards	K4

### Mapping with Programme Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5
CLO1	S	S	S	S	S
CLO2	S	S	S	S	M
CLO3	S	S	S	S	M
CLO4	S	M	S	S	M

S- Strong; M-Medium;

### Syllabus

#### UNIT-I

**8 hours**

Definition and scope of quality control – establishing merchandising standards; AQL - Acquired quality level. Quality control of raw material. Quality control inspection procedure for processing. Quality control of finished garment – quality control and government contracts. Quality control for packaging, warehouse and shipping

#### UNIT-II

**10 hours**

Establishing processing quality specification – training quality control personnel. Statistical quality control- sampling plans – industry wide quality standards. Quality specifications – quantitative specifications – scope of apparel manufacturing activity –coordinating departmental activities – distribution of documents and records. Quality audit - types of quality audit – audit procedure.

#### UNIT-III

**8 hours**

Principles of TQM, leadership – concepts – quality trilogy – four pillars of TQM – PDCA cycle and PDSA cycle. Deming principles on TQM – Juran trilogy – crosby principles on TQM - Japanese 5s principles – kaizen. Role of senior management – quality council, customer satisfaction – customer perception of

quality, customer complaints

#### **UNIT-IV**

**8 hours**

Statistical Process Control (SPC) - construction of quality control charts for variables and attributes. Seven tools of quality control – Control Chart, Pareto Diagram, Ishikawa Diagram, Histogram, Flow Charts, Scatter Diagram and Stratification. Quality Control Software - ERP Systems for quality tracking, automated inspection and AI - based quality systems and RFID and barcode usage in quality control.

#### **UNIT-V**

**9 hours**

Textile Quality Standards - definition, factor, importance. Quality management systems -ISO 9001. Textile standards and certifications - International standards - ISO, ASTM, and AATC, Eco-labelling and sustainability certifications - OEKO-TEX, GOTS, Fair Trade and Regional standards and regulations - REACH, ZDHC, BIS. Quality control techniques.

#### **Pedagogy:**

Lecture by chalk and talk, power point presentation, e-content, group discussion, assignment, quiz, peer learning, seminar.

#### **Text Books**

S.No.	Author	Title of the Book	Publishers	Year and edition
1	Solinger, Jacob	Apparel manufacturing analysis	New york	1961 1 <sup>st</sup> Edn
2	Janace E. Bubonia	Apparel Quality: A Guide to Evaluating Sewn Products	Fairchild Books	2021 2 <sup>nd</sup> Edn
3	Sara J. Kadolph	Quality Assurance for Textiles and Apparel	Fairchild Books	2007 2 <sup>nd</sup> Edn

#### **Reference Books**

S.No.	Author	Title of the Book	Publishers	Year and edition
1	Y T. Karthik, P. Ganesan, D. Gopalakrishnan	Apparel Manufacturing Technology	Textile e book	1998 1 <sup>st</sup> Edn
2	Wilson J	Handbook of Textile Design	Woodhead Publishing	2005 1 <sup>st</sup> Edn
3	Gini Stephens Frings	Introduction to Apparel Manufacturing	Fairchild Publications	2002 2 <sup>nd</sup> Edn
4	Pradip V. Mehta	Managing Quality in the Apparel Industry	New Age International Pvt. Ltd	1998 1 <sup>st</sup> Edn

#### **Reference link:**

<https://www.hqts.com/apparel-quality-control-standards-and-procedures/>

<https://www.worldfashionexchange.com/blog/the-importance-of-quality-control-in-garment-manufacturing/>

<https://www.qarmainspect.com/blog/apparel-quality-management>



<https://ebooks.inflibnet.ac.in/hsp07/chapter/quality-control-concept-principles-standards-and-specifications-quality-assurance-care-symbols-standard-symbols/>

### **Course Designer**

- Dr.R.Radhika
- Dr,M Malini Devi

COURSE CODE	COURSE TITLE	CATEGORY	L	T	P	CREDIT
CF23C06	TEXTILE TESTING	THEORY	58	2	-	4

#### Preamble

To study the physical properties of textiles. To gain knowledge on various testing equipments used in the textile industry.

#### Prerequisite

Basic knowledge of textile testing standards and terminology

#### Course Learning Outcomes

On the successful completion of the course, students will be able to

CLO Num-ber	CLO Statement	Knowledge Level
CLO1	Describe the properties of fiber and yarn by textile testing.	K2
CLO2	Demonstrate the properties of fabric by textile testing.	K3
CLO3	Assess the testing methods for fiber, yarn and fabric	K3
CLO4	Analyse the testing procedure and calculation method for fiber, yarn and fabric testing	K4

#### Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5
CLO1	S	S	S	M	L
CLO2	M	M	S	S	S
CLO3	S	S	S	S	S
CLO4	M	M	M	M	M

S- Strong; M-Medium; L- Low

#### Syllabus

##### UNIT I

**13 Hrs**

Introduction: Definition of textile testing and its influence on fiber properties, standard atmospheric condition, standard testing atmosphere. Standard regain, moisture content and regain. Measurement of atmospheric condition - wet and dry bulb hygrometer and sling hygrometer.

##### UNIT II

**10 Hrs**

Fiber testing – importance of testing method. Microscopic view of fibers, fiber identification. Fiber length - bear sorter and fibrograph. Fiber strength - stelometer, fiber fineness - micronaire, fiber maturity, trash content - trash analyzer.

##### UNIT III

**12 Hrs**

Yarn testing: Determination of yarn count -quadrant & beesley balance. Twist - measurement of twist - twist effect on fabric properties. Strength of yarn - single yarn strength tester. Crimp - shirley crimp tester. Yarn appearance tester. Evenness - uster evenness tester, Hairiness - uster hairiness tester.

**UNIT IV****13 Hrs**

Fabric testing - weight, thickness and count. Course length and loop length of knitted fabric. Fabric strength tester - tensile strength, tearing strength and bursting strength. Abrasion- abrasion tester and pilling - Martindale pill box tester.

**UNIT V****10 Hrs**

Fabric testing - drape - drape meter, fabric stiffness - Shirley stiffness tester. Colour fastness - washing, light and rubbing, dimensional stability, crease resistance and crease recovery – fabric permeability – water permeability – sinking, wicking, spray and drop test - air permeability.

**Text Books**

S.No	Author	Title	Publishers	Year and Edition
1	K.Amutha	A Practical Guide to Textile Testing	WPI	2016 and 1 <sup>st</sup> edn.
2	Patricia A Annis	Understanding and Improving the Durability of Textiles	Elsevier Science	2012 and 1 <sup>st</sup> edn.
3	D. Gopalakrishnan	Textile Testing	DAYA Publishing House	2020 and 1 <sup>st</sup> edn.
4	Devandra Raghav	Introduction to Fabric Testing and Textile Industry	Cyber Tech Publication	2021 and 1 <sup>st</sup> edn.
5	Vikrant Prasad	Fabric Properties Testing	IBP Books	2018 and 1 <sup>st</sup> edn.

**Books for Reference**

S.No	Author	Title	Publishers	Year and Edition
1	D. Gopalakrishnan	Textile Testing	Bio Green	2020 and 1 <sup>st</sup> edn.
2	A.M. El-Messiry	Fundamentals of Textile Testing	LAP Lambert Academic Publishing	2012 and 1 <sup>st</sup> edn.
3	S. N. Singh	Testing and Quality Management in the Textile Industry	New Age International	2012 and 1 <sup>st</sup> edn.
4	Apurba Das	Testing of Textile and Fibrous Materials	CRC Press	2024 and 1 <sup>st</sup> edn.
5	Vikrant Prasad	Fabric Properties Testing	Bioscientific Publishers	2018 and 1 <sup>st</sup> edn.

**Reference Link**

<https://www.reessanj.ir/book/physical%20testing%20of%20textiles.pdf>  
<https://law.resource.org/pub/in/bis/S12/is.sp.15.1.1989.pdf>  
<https://gphisar.ac.in/wp-content/uploads/2022/09/3rd-Sem-TPT-E-Contents.pdf>  
<https://ia802903.us.archive.org/25/items/in.ernet.dli.2015.98001/2015.98001.Principles-Of-Textile-Testing.pdf>  
<https://www.researchgate.net/publication/338111111/figure/fig/1/figure-fig1/1517811111111/TextilesLibrary/PracticalGuideTextileTestingAmutha.pdf>

**Pedagogy**

Lecture by chalk and talk, power point presentation, video demonstration

**Course Designers**

1. Dr.P.Ananthi
2. R.Saranyadevi

COURSE CODE	COURSE TITLE	CATEGORY	L	T	P	CREDIT
CF23P08	TEXTILE TESTING LAB	THEORY	-	-	120	5

#### Preamble

To impart knowledge on fiber identification and testing of yarn and fabric.

#### Prerequisite

Fundamental knowledge of fibers, yarns, fabric structures and basic lab skills

#### Course Learning Outcomes

On the successful completion of the course, students will be able to

CLOs Number	CLO Statement	Knowledge Level
CLO1	Identify the different textile fibers	K2
CLO2	Describe the testing methods of yarn properties	K2
CLO3	Calculate the yarn consumption for knitted fabric	K3
CLO4	Analysis the fabric parameters	K4

#### Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PL03	PL04	PL05
CLO1	S	M	M	M	M
CLO2	M	S	S	S	M
CLO3	M	M	S	S	S
CLO4	L	L	M	S	S

S- Strong; M-Medium; L- Low

#### Syllabus

- |  |        |
|--|--------|
| 1. Fiber testing   | 16 Hrs |
| a. Microscopic Method - cotton, silk, wool, jute, polyester/nylon  |        |
| b. Fiber identification  |        |
| Testing of yarns/ fabrics  |        |
| 2. Determining the yarn count using wrap reel                      | 9 Hrs  |
| 3. Determining the yarn count using beesley's balance              | 9 Hrs  |
| 4. Determining the twist of the yarn using twist tester            | 9 Hrs  |
| 5. Determining the weight of the fabric                            | 9 Hrs  |
| 6. Determining the fabric count by                                 | 14 Hrs |
| a. Raveling method   |        |
| b. Pick Glass method   |        |
| 7. Determining the Course length and loop length of knitted fabric | 9 Hrs  |
| 8. Determining the Colour fastness                                 | 12 Hrs |
| a. Washing   |        |
| b. Light   |        |

- c. Rubbing
- 9. Determining the dimensional stability test 10 Hrs
- 10. Determining the absorbency test 14 Hrs
  - a. Sinking
  - b. Wicking
  - c. Drop test
- 11. Determining the tensile strength of the given fabric 9 Hrs

#### Text Books

S.No	Author	Title	Publishers	Year and Edition
1	K. Amutha	A Practical Guide to Textile Testing	Woodhead Publishing India / Taylor and Francis	2016 and 1 <sup>st</sup> edn,
2	D.Gopalakrishnan, P. Vinayagamurthi and P. Kandhavadi	Textile Testing	Indian Books and Periodicals	2020 and 1 <sup>st</sup> edn,

#### Books for Reference

S.No	Author	Title	Publishers	Year and Edition
1	Vikrant Prasad	Fabric Properties Testing	Macmillan	2018 and 1 <sup>st</sup> edn,
2	Jinlian Hu	Fabric Testing	Woodhead Publishing	2008 and 1 <sup>st</sup> edn,

#### Reference Link

<https://www.youtube.com/watch?v=zMVyK4h15vs>  
<https://www.youtube.com/watch?v=VWIIeBQTzAs>

#### Pedagogy

Lecture by chalk and talk, power point presentation, video demonstration

#### Course Designers

- 1.Dr.R.Divya
- 2.Dr.M.Malini Devi

COURSE CODE	COURSE TITLE	CATEGORY	L	T	P	CREDIT
CF23E03	ORGANIZATION OF GARMENT UNIT	THEORY	43	2	-	4

### Preamble

To impart knowledge on entrepreneurship and to familiarize institutions supporting entrepreneurs.

### Prerequisite

Fundamental knowledge of garment production processes

### Course Learning Outcomes

On the successful completion of the course, students will be able to

CLOs Number	CLO Statement	Knowledge Level
CLO1	Relate the characteristics of entrepreneurship	K1
CLO2	Describe the institutions supporting entrepreneurs	K2
CLO3	Categories the departments involved in a garment unit	K4
CLO4	Analyse fashion design and layout of a garment industry	K4

### Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5
CLO1	M	M	M	M	M
CLO2	M	S	M	M	S
CLO3	M	M	S	S	S
CLO4	L	M	M	S	S

S- Strong; M-Medium; L- Low

### Syllabus

#### UNIT-I

9 hrs

Introduction to apparel industry-challenges, opportunities and futuristic trends. Departments in the apparel industry. Designing department –stages of product development, forecasting, trend analysis, line planning and design approval for production. Introduction to spec sheet and its important tech pack analysis. Objectives for creating tech pack development of spec sheet manual and computerized.

#### UNIT-II

9 hrs

Sampling department-importance, objectives, types of samples prototype, fit sample, pp sample, size set production sample and shipment sample. Merchandising – role of merchandiser. Preparation of cost sheet, fabric and accessory sourcing. Pre-production sample.

#### UNIT-III

9 hrs

Production department – layout cut order, marker making, production planning, spreading, cutting, sewing, modular manufacturing, piece work, linear manufacturing process, finishing, pressing department,

trimming department, packing department, inspection and shipping.

#### UNIT-IV

8 hrs

Marketing department-market research- importance, techniques and types of marketing research marketing strategy, advertising, latest trends in marketing, branding, sales, feedback and evaluation.

#### UNIT-V

8 hrs

Introduction to export procedure and documentation- principal documents– auxiliary documents – documents for claiming export assistance. Buyer requirements export procedure at present documentation, LC (Letter of Credit), ECGS, quality control pre-shipment, inspection export credit negotiation of bills payment procedures in export trade

#### Text Books

S.No	Author	Title	Publishers	Year and Edition
1	Dinakarpagare	Principles of management	sultan Chand and sons	2018 and 6 <sup>th</sup> edn.
2	Dr. C.B Gupta, D N.P.Srinivasan	Entrepreneurship Development in India	sultan Chand and sons delhi	2020 and 1 <sup>st</sup> edn.
3	Darlie O Koshy	Garment Exports	Prentice – Hall of India LtD	2009 and 1 <sup>st</sup> edn.
4	AJ Chester 2nd Edition	Introduction to clothing production management	Wrenbury Associates Ltd	2011 and 2 <sup>nd</sup> edn.
5	Harold Carr and Barbara Latham	The technology of clothing manufacture	Blackwell Science	2008 and 4 <sup>th</sup> edn.

#### Books for Reference

S.No	Author	Title	Publishers	Year and Edition
1	PrasantaSarkar	Garment Manufacturing: Processes, Practices and Technology	Woodhead Publishing India Pvt. Ltd. HB publisher	2015 and 1 <sup>st</sup> edn.
2	B. Purushothama	Effective Implementation of Quality Management Systems	Woodhead Publishing India Pvt. Ltd. HB publisher	2010 and 1 <sup>st</sup> edn.
3	Mehta, Pradip V	Quality Management Handbook For The Apparel Industry	New Age International (P) Ltd Publishers	2012 and 1 <sup>st</sup> edn.
4	Eiri Staff	Hand Book of Garments Manufacturing Technology Hardcover	Educa Books	2007 and 1 <sup>st</sup> edn.
5	Enamul Hafiz Latifee	Handbook for Ready- made Garments Investors to Bangladesh	Publisher: EuroBang Fashion	2015 and 1 <sup>st</sup> edn.

#### Reference Link

- <https://shorturl.at/4Hfpt>
- <https://shorturl.at/qPz7T>
- <https://shorturl.at/XNFaA>
- <https://www.vedantu.com/commerce/export-procedures-and-documentations>
- <https://www.investopedia.com/terms/m/marketing.asp>

**Pedagogy**

Lecture by chalk and talk, power point presentation, e-content, group discussion, assignment, quiz, peer learning, seminar.

**Course Designers**

1. Dr.R.Tryphena
2. Dr.M.MaliniDevi



COURSE CODE	COURSE TITLE	CATEGORY	L	T	P	CREDIT
CF23E04	HOME FURNISHING	THEORY	43	2	-	4

### Preamble

To impart knowledge about home furnishing for interior and commercial environment.

### Prerequisite

Basic awareness of household textile applications

### Course Learning Outcomes

On the successful completion of the course, students will be able to

CLOs	CLO Statement	Knowledge Level
CLO1	Relate the various home furnishing products	K1
CLO2	Explain the selection of fabrics for the home furnishing products	K2
CLO3	Relate the care and maintenance of home furnishing	K3
CLO4	Analyze the process, methods and impact of home furnishing products.	K4

### Mapping with Programme Outcomes

CLOs	PLO1	PLO2	PL03	PL04	PL05
CLO1	S	S	S	S	S
CLO2	M	S	S	S	M
CLO3	L	M	M	M	M
CLO4	L	M	M	M	M

S- Strong; M-Medium; L- Low

### Syllabus

#### UNIT-I

9 hrs

Introduction to home furnishing materials, definition, types of home furnishing, factors influencing selection of home furnishing. Importance of home furnishing, modern and contemporary product in home furnishing.

#### UNIT-II

8 hrs

Floor and wall coverings – definition, types of floor covering –hard, soft and resilient floor coverings and uses and care and maintenance of floor coverings. Wall covering- definition, uses, care and maintenance of wall coverings

#### UNIT-III

9 hrs

Door and window treatments –definition and parts of door and windows, curtains and draperies – definition and materials used for curtains and draperies. Types of curtains –draw, tailored, pleated, cafe, three tier curtains. Types of draperies – swags. Accessories- rods hook, rails, racks, curtain tape pins

#### UNIT-IV

9 hrs

Soft furnishings for living and bed linen. Introduction to living and bedroom linens, types- sofa, sofa

covers, wall hangings, cushion, cushion covers, upholsteries, bolster and bolster covers, bed sheets, covers, blankets, blanket covers, comfort and comfort covers, bed spreads, mattress and mattress covers, pillow and pillow covers, pads, uses and care.

#### UNIT-V

8 hrs

Soft furnishings for kitchen and dining, types of kitchen linens – kitchen towel, aprons, dish cloth, fridge, grinder and mixie covers, mittens, fridge holders –their uses and care. Types of dining- table mat, dish/pot holders, cutlery holder, fruit baskets, hand towels-uses and care.

Bathroom linens – types, uses and care.

#### TextBooks

S.No.	Author	Title of the Book	Publishers	Year and edition
1	Varghese, M.A., Ogale, M.M, and Srinivasan , K.	Home Management	New Age International	2022 and 3 <sup>rd</sup> edn.
2	Premavathy, Parveen Pannu,	Interior Design and Decoration - CBS	Publishers and Distributors	2013 and 1 <sup>st</sup> edn.
3	Lisa Godsey	Interior Design Materials and Specifications	Bloomsbury	2021 and 3 <sup>rd</sup> edn.
4	Nabu Press	The Art of Clarence House Textiles	Kazumi Yoshida	2011 and 1 <sup>st</sup> edn.
5	McGee and Co	The Art of Home	Clarkson Potter	2023 and 1 <sup>st</sup> edn.

#### Books for Reference

S.No.	Author	Title of the Book	Publishers	Year and edition
1	Harriet Goldstein	Art in Every Day Life	Goldstein Press	2007 and 4 <sup>th</sup> edn.
2	Virginia Hencken Elsasser, Julia Ridgway Sharp	Know Your Home Furnishings	Fairchild Books	2016 and 2 <sup>nd</sup> edn.
3	Lauren Liess	Habitat: The Field Guide to Decorating	Clarkson Potter	2016 and 1 <sup>st</sup> edn.
4	Dorothy Wood	The Practical Encyclopedia of Soft Furnishings: The Complete Guide to Making Cushions, Loose Covers, Curtains, Blinds, Table Linen, and Bed Linen	Anness Publishing	2019 and 1 <sup>st</sup> edn.
5	Erin Gates	The Elements of Style: Designing a Home & a Life	Simon and Schuster	2014 and 1 <sup>st</sup> edn.

#### Reference link

- <https://shorturl.at/GMVur>
- <https://shorturl.at/SdoQE>
- <https://shorturl.at/fzwZc>
- <https://shorturl.at/bLkBB>
- <https://shorturl.at/rR8I3>

### **Pedagogy**

Lecture, chalk and talk, power point presentation, e-content, group discussion, assignment, quiz, peer learning, seminar.

### **Course Designers**

1.Dr.R.Tryphena

2.Dr.M.Malinidevi

COURSE CODE	COURSE TITLE	CATEGORY	L	T	P	CREDIT
CF23AC2	TRADITIONAL COSTUMES AND TEXTILES OF INDIA	THEORY	-	-	-	5

#### Preamble

To familiarize the students with the rich Indian heritage of woven, dyed, printed, painted and embroidered textiles. To provide knowledge regarding various traditional textiles of India.

#### Prerequisite

Basic knowledge of Indian culture

#### Syllabus

##### UNIT-I

Origin and importance of clothing, factors influencing changes in costumes. Traditional costume of India - Tamil Nadu, Kerala, Andhra Pradesh, Karnataka, Maharashtra, Goa, Telangana, Odisha, Chhattisgarh.

##### UNIT-II

Traditional costumes of India- Mizoram, West Bengal, Manipur, Assam, Meghalaya, Jharkhand, Arunachal Pradesh, Bihar, Uttarpradesh, Jammu and Kashmir, Madhyapradesh, Rajasthan, Haryana, Gujarat, Uttarakhand.

##### UNIT-III

Dyed and printed textiles of India - bhandhani, patola, ikkat, kalamkari, bagh, ajrak, dabu, gold and silver dust, sanganeri, leheriya and bagru- types and techniques used.

##### UNIT-IV

Study of woven textiles of India. Importance of geotagging in Indian traditional textiles. Dacca Muslin, Banarasi/ Chanderi brocades, baluchar, himrus and amrus, Kashmir shawls, pochampalli, Paithani and silk sarees of Kancheepuram.

##### UNIT-V

Traditional embroideries of India - origin, stitch, use of colour, fabrics and threads. The embroideries of Kashmir, Punjab, Gujarat, Rajasthan, Karnataka, Lucknow and Bengal

#### Text Books

S.No.	Author	Title of the Book	Publishers	Year and Edition
1	Wissler Clark	Costumes of the Plains Indians	Franklin Classics Trade Press	2018 and 1 <sup>st</sup> edn.
2	Anjali Karolia	Traditional Indian Handcrafted Textiles History, Techniques, Processes, Designs	Niyogi Books	2019 and 1 <sup>st</sup> edn.
3	Elizabeth Currie	A Cultural History of Dress and Fashion in the Renaissance (The Cultural Histories Series)	Bloomsbury Academic; Reprint edition	2022 and 1 <sup>st</sup> edn.
4	Anjali Karolia	Traditional Indian Handicrafted Textiles	Niyogi Books	2019 and 1 <sup>st</sup> edn.
5	Sethi, Ritu	Handmade for the 21 <sup>st</sup> century	UNESCO	2022 and 1 <sup>st</sup> edn.

### Books for Reference

S.No.	Author	Title of the Book	Publishers	Year and Edition
1	Anjali Karolia	Traditional Indian Handcrafted Textiles: History, Techniques, Processes, Designs	Niyogi Books	2019 and 1 <sup>st</sup> edn.
2	Avalon Fotheringham	Indian Textile Patterns and Techniques: A Sourcebook	Thames and Hudson Ltd	2019 and 1 <sup>st</sup> edn.
3	A. K. Das	Traditional Textiles of North East India: A Catalogue of the Ignca Collection	B.R. Publishing Corporation	2018 and 1 <sup>st</sup> edn.
4	Akhtarul Islam, Britta Kalkreuter, Samrat Mukhopadhyay	Traditional Textiles of the Indian Subcontinent: Sustainable Engineering, Manufacturing, and Design	Springer Nature Singapore	2025 and 1 <sup>st</sup> edn.
5	Helmut Neumann, Heidi Neumann and Rosemary Crill	Textiles of India	Prestel	2020 and 1 <sup>st</sup> edn.

### Reference link

<https://www.vam.ac.uk/articles/indian-textiles>

<http://ignca.gov.in/divisionss/janapada-sampada/costumes-and-textiles/>

<https://www.craftscouncilofindia.in/textiles>

<https://www.nift.ac.in/ceast/indian-textiles>

<https://artsandculture.google.com/project/weaving-india>

### Course Designers

1.R.Haritha

2.T.Prathiusa

COURSE CODE	COURSE TITLE	CATEGORY	L	T	P	CREDITS
CF23SB02	BOUTIQUE MANAGEMENT	THEORY	43	2	-	3

#### Preamble

To impart the knowledge on current trend involved in setting a boutique.

#### Prerequisite

Basic knowledge of retail store planning

#### Course Learning Outcomes

On the successful completion of the course, students will be able to

CLOs Number	CLO Statement	Knowledge Level
CLO1	Enumerate boutique management	K1
CLO2	Associate planning and strategy for boutiques	K2
CLO3	Relate knowledge on marketing and online boutique management	K3
CLO4	Analysis of store setup and business ethics	K4

#### Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5
CLO1	S	S	S	S	M
CLO2	L	M	M	M	S
CLO3	M	M	M	S	S
CLO4	L	M	M	S	S

S- Strong; M-Medium; L-Low

#### SYLLABUS

##### UNIT- I

9 hrs

Introduction to boutique management, skills required to set up a boutique, identifying target market and customer, choice of location and space management. Uniqueness of apparel retailing-types of fashion retail outlets-department stores, specialty, chain, stores, discount retailers.

##### UNIT- II

9 hrs

Store and boutique designing, identification of threats and SWOC analysis, factors to be considered before starting a boutique. Local market study and customer identification. Business plan – start-up plan, products and services, strategy, implementation and financial plan. Purpose of display, elements of display –

colour, texture, line, composition and lighting. Importance of identifying and selection of optimal store location

### **UNIT- III**

**8 hrs**

Boutique interiors and visual merchandising. Store layout and miniature store plan creation. Infrastructure requirements for a boutique. Staffing – selection of generalists and specialists. Material sourcing – trims, fabrics, and accessories. Role of fashion accessories in boutiques

### **UNIT- IV**

**9 hrs**

Boutique marketing tools and promotional kits, window display creation based on current trends and themes. Designing and launching an online boutique, website and blog development, URL registration. Web and logo designing, static and dynamic page creation. Costing and pricing in boutique operations. Grievance cell.

### **UNIT- V**

**8 hrs**

Setting up a display store, visual merchandising and the changing face of retail, 5 Ps of marketing – product, price, promotion, place, and people. Boutique assessment, evaluation, business analysis, boutique setup and management strategies

### **Text Books**

<b>S.No.</b>	<b>Author</b>	<b>Title of the Book</b>	<b>Publishers</b>	<b>Year and edition</b>
1	Mitterfellner	Fashion Marketing and Communication: Theory and Practice Across the Fashion Industry (Mastering Fashion Management)	McGraw Hill	2019 and 1 <sup>st</sup> edn.
2	V. Ramesh Babu & A. Arunraj	Fashion Marketing Management	Woodhead Publishing India Pvt Ltd	2019 and 1 <sup>st</sup> edn.
3	Rosemary Varley, Ana Roncha, Natascha Radclyffe-Thomas, Liz Gee	Fashion Management: A Strategic Approach	Bloomsbury Academic	2024 and 2 <sup>nd</sup> edn.
4	Dr. Suja R. Nair	Retail Management	Himalaya Publishing House	2022 and 2 <sup>nd</sup> edn.
5	Dr. A. Bharathy	Retail Management Concepts & Practices of Retailing	Mahi Publication	2025 and 1 <sup>st</sup> edn.

## Books for References

S.No.	Author	Title of the Book	Publishers	Year and edition
1	Alessandra Vecchi; Chitra Buckley	Handbook of Research on Global Fashion Management and Merchandising	IGI Global	2016 and 1 <sup>st</sup> edn.
2	Ranjit Thind	Strategic Fashion Management: Concepts, Models and Strategies for Competitive Advantage	Routledge	2018 and 1 <sup>st</sup> edn.
3	Rosemary Varley; Mo- hammed Rafiq	Principles of Retailing	Bloomsbury Academic In- dia	2023 and 1 <sup>st</sup> edn.
4	Swapna Pradhan	Retailing Management: Text & Cases	McGraw-Hill Edu- cation (India) Pvt Limited	2020 and 6 <sup>th</sup> edn.
5	Claus Ebster & Mar- ion Garaus	Store Design and Visual Mer- chandising: Creating Store Space That Encourages Buying	Business Expert Press	2011 and 1 <sup>st</sup> edn.

## Reference link :

- <https://surl.li/fxtqdw>
- <http://surl.li/cihurt>
- <http://surl.li/bfaxxn>
- <http://surl.li/mofeqx>
- <https://www.bigcommerce.com/blog/how-to-start-an-online-boutique/>

## Pedagogy

Lecture, chalk and talk, power point presentation, e-content, group discussion, assignment, quiz, peer learning, seminar.

## Course Designers

1. Manjusha K J
2. P. Praveena



COURSE CODE	COURSE TITLE	CATEGORY	L	T	P	CREDIT
CF23PROJ	FASHION PORTFOLIO	PROJECT	-	-	180	7

#### Preamble

To apply techniques used in design research and showcase their developed garment with professional competencies.

#### Prerequisite

Basic knowledge of design and product development

#### Course Learning Outcomes

On the successful completion of the course, students will be able to

CLOs Number	CLO Statement	Knowledge Level
CLO2	Illustrate shilloutte based on theme board	K2
CLO3	Prepare the process involved in the portfolio preparation	K3
CLO4	Relate spec sheet and cost estimation for designed garment	K4
CLO5	Create portfolio designer book	K5

#### Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5
CLO1	S	S	S	S	S
CLO2	M	S	S	M	L
CLO3	L	M	S	S	M
CLO4	M	M	M	S	S

S- Strong; M-Medium; L-Low

#### Syllabus

The following have to be prepared:

1. Illustrate flat sketches for related theme **20 Hrs**
2. Develop silhouette board for the selected design **22 Hrs**
  - Hand sketched designs on front and back croquis
  - Digitized version of the design
3. Prepare Spec sheet for kid wear (2 garments) **10 Hrs**
4. Prepare Spec sheet for women wear (2 garments) **10 Hrs**
5. Prepare Spec sheet for men wear (2 garments) **10 Hrs**

6.	Pattern development for selected kid design (2 garments)	8 Hrs
7.	Pattern development for selected women design (2 garments)	7 Hrs
8.	Pattern development for selected men design (2 garments)	6 Hrs
9.	Product development for selected kid design (2 garments)	12 Hrs
10.	Product development for selected women design (2 garments)	12 Hrs
11.	Product development for selected men design (2 garments)	12 Hrs
12.	Costing for selected kid design (2 garments)	6 Hrs
13.	Costing for selected women design (2 garments)	6 Hrs
14.	Costing for selected men design (2 garments)	6 Hrs
15.	Photo shoot	15 Hrs
16.	Final presentation	18 Hrs

### Instruction to students:

- Number of garments in a collection – 6 garments (men/ women/ kid wear).
- Students may choose the garment category that align with their selected theme
- One product from portfolio collection to be presented in fashion show.
- Spec sheet should contain design illustration (front and back), technical drawings, component detail, measurement chart, fabric indication (swatch), fabric consumption and accessory details.
- Collection to be based on innovative fabric combination, surface texture and ornamentations
- The portfolio collection should be given in digital format.

### Text Books

S.No.	Author	Title of the Book	Publishers	Year and edition
1	Joanne Ciresi Barrett	Designing Your Fashion Portfolio: From Concept to Presentation	Fairchild Books	2014 and 1 <sup>st</sup> edn
2	ASBCI Association of Suppliers to the British Clothing Industry	Garment Costing: Everything you need to know about the cost of making clothes	ASBCI	2020 and 1 <sup>st</sup> edn

### Books for Reference

S.No.	Author	Title of the Book	Publishers	Year and edition
1	Anna Kiper	Fashion Portfolio: Design and Presentation	Batsford	2016 and 1 <sup>st</sup> edn
2	Linda Tain	Portfolio Presentation for Fashion Designers	Fairchild Books	2018 and 4 <sup>th</sup> edn

**Reference link:**

- <https://youtu.be/orGvOKs7Uyc>
- <https://youtu.be/HEsmu45SKv4>

**Course Designers**

- 1.Dr.R.Divya
- 2.M.MaliniDevi

## **JOB ORIENTED COURSE**

### **EVENT MANAGEMENT AND WEDDING PLANNING**

MIEEM is the premier Event Management Institute in South India which seeks to nurture innovators and leaders of the future through professional practice, immersive learning and innovative business insights. We are the only training institution in South India to offer specialized programs in Event Management & Entertainment course with placements. Mark 1 events & decors is one of the leading Event & wedding decor companies operating from Coimbatore across the country and international location for the past 15 years. We are delighted to offer a specially designed Certified Course for the Student as per the below details.

Course Duration - 40 Hours + 40 Hours Internship/Project

Certification Title - Certificate in Event & Wedding planning

Note: Students are also encouraged to explore and select courses offered by other departments at KCW.