



PSGR
Krishnammal College for Women



Affiliated to Bharathiar University \ Autonomous \ College of Excellence \ Accredited with A++ Grade \ Ranked 9th in NIRF

DEPARTMENT OF COSTUME AND APPAREL DESIGN

CHOICE BASED CREDIT SYSTEM (CBCS) & LEARNING OUTCOMES - BASED CURRICULAR FRAMEWORK (LOCF)

B.Sc COSTUME DESIGN AND FASHION
2024 – 2027 BATCH
I to V semester



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
2024 - 2027 BATCH

Semester	Part	Course Code	Title of the Course	Course Type	Instruction hrs/ week	Contact hours	Tutorial hours	Duration of Examination in hrs	Examination marks			Credits
									CA	ESE	Total	
I	I	TAM2301A/ HIN2301A/ FRE2301A	Language I – Tamil Paper I / Hindi Paper I / French Paper I	L	4	58	2	3	25	75	100	3
	II	ENG2301A	English Paper I	E	4	58	2	3	25	75	100	3
	III	CF24C01	Concepts of Fashion and Design	CC	5	73	2	3	25	75	100	4
		CF24P01	Surface Ornamentation Lab	CC	8	120	-	3	25	75	100	5
		CF24AP1	Fashion Illustration Lab I	GE	7	105	-	3	25	75	100	4
	Non Tamil Students											2
	IV	NME23B1/ NME23A1	Basic Tamil I / Advance Tamil I	AEC	2	28	2	-	100	-	100	
	Students with Tamil as Language											
	IV	NME23ES	Introduction to Entrepreneurship	AEC	2	30	-	-	100	-	100	
I - V	VI	24BONL1 24BONL2 24BONL3	Online Course 1 Online Course 2 Online Course 3	ACC	-	-	-	-	-	-	-	-

L – Language

E – English

CC – Core Courses

GE – Generic Elective

AEC – Ability Enhancement Course

ACC – Additional Credit Course

CA – Continuous Assessment

ESE - End Semester Examination

Semester	Part	Course Code	Title of the Course	Course Type	Instruction hrs/ week	Contact hours	Tutorial hours	Duration of Project	Examination marks			Credits
									CA	ESE	Total	
II	I	TAM2302A/ HIN2302A/ FRE2302A	Tamil Paper II / Hindi Paper II / French Paper II	L	4	58	2	3	25	75	100	3
	II	ENG2302A	English Paper II	E	4	58	2	3	25	75	100	3
	III	CF24C02	Apparel Component Development	CC	4	58	2	3	25	75	100	4
		CF24P02	Apparel Component Development Lab	CC	8	120	-	3	25	75	100	5
		CF24AP2	Fashion Illustration Lab II	GE	8	120	-	3	25	75	100	4
		CF24INST1	Internship – Industry / Design	DSE	60 Hours /15 Days						100	2
	IV	NM24UHR	Universal Human Values and Human Rights	AEC C	2	30	-	-	100	-	100	2
	VI	NM23GAW	General Awareness	AEC	SS	-	-	-	-	-	100	Gr
		NME23B2/ NME23A2 *	Basic Tamil II / Advance Tamil II	AEC	-	-	-	-	100	-	100	Gr
I – IV	VI	COM15SER	Community Service - 30 Hours	GC	-	-	-	-	-	-	-	-
I - V	VI	24BONL1 24BONL2 24BONL3	Online Course 1 Online Course 2 Online Course 3	ACC	-	-	-	-	-	-	-	-

* After Class Hour

L – Language, E – English
CC – Core Courses
GC – General Course
GE – Generic Elective
SS – Self Study

AEC – Ability Enhancement Course
ACC – Additional Credit Course
DSE – Discipline Specific Elective
AECC – Ability Enhancement Compulsory Course

CA – Continuous Assessment
ESE - End Semester Examination

Programme and Branch B.Sc. – CDF												
Scheme of Examination 2023 – 2026 Batch & Onwards												
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	
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
	II I	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	II I	CF23SCE1/ CS23SBGP	Skill Based Course Coursera - Fashion Reality / GEN - AI	SEC	3	45 /44	- / 1	-	100	-	100	3
III	I V	NM23DTG	Design Thinking	AEC	2	30	-	-	100	-	100	2
	I V	NM22UHR	Universal Human Values and Human Right #	AEC C	-	-	-	-	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

Self study

CA – Continuous Assessment

ESE - End Semester Examination

SEC – Skill Enhancement Course

AECC - Ability Enhancement Compulsory 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	ENG2404A	English Paper IV	E	4	58	2	3	25	75	100	3
	III	CF24C04	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
		CF23SCE1	Fashion Reality	SEC	3	45	-		100	-	100	3
		CF24INST2	Internship II	DSE	21 Days				100	-	100	2
	IV	NM23EII	Entrepreneurship and Innovation (Ignite X)	AECC	2	30	-		100	-	100	2
		NM24EVS	Environmental Studies	AECC	SS	-	-	-	100	-	100	Gr
	V	COCOACT	Co-Curricular Activities	GC	-	-	-	-	100	-	100	1
I- V	VI	24BONL1 24BONL2 24BONL3	Online Course I Online Course II Online Course III	ACC	-	-	-	-	-	-	-	-

L – Language, E – English

CC – Core Course

GE – Generic Elective

AECC – Ability Enhancement Compulsory Course

The Internship can be pursued in industrial or design domains.

GC – General Course

GC – General Course

SEC – Skill Enhancement Course

ACC – Additional Credit Course

DSE – Discipline Specific Elective

SS – Self Study

SEMESTER V

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
		CF24P07	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 ^{\$}
	III	CF23SB01	Apparel Quality Control	SEC	3	43	2	3	100	-	100	3
	IV	NM21CS1	Cyber Security I	GC	2	30	-	-	100	-	100	Gr
	VI	CF24COM	Comprehensive Examination	GC	-	-	-	1	100	-	100	Gr
I - V	VI	24BONL1 24BONL2 24BONL3	Online Course I Online Course II Online Course III	ACC	-	-	-	-	-	-	-	-

CC – Core Courses

GC – General Course

SEC – Skill Enhancement Course

DSE – Discipline Specific Elective

ACC – Additional Credit Course

^{\$} Credits applicable to candidates who take up Advance Level Course examination

CA – Continuous Assessment

ESE - End Semester Examination

SS - Self study

Gr – Grade

QUESTION PAPER PATTERN 24 – 25 BATCH

CA Question Paper Pattern and distribution of marks UG

Language and English

Section A 5 x 1 (No choice) : 5 Marks

Section B 4 x 5 (4 out of 6) : 20 Marks (250 words)

Section C 2 x 10 (2 out of 3) :20 Marks (500 words)

Total : 45 Marks

UG - Core and Allied - (First 3 Units)

CA Question from each unit comprising of

One question with a weightage of 2 Marks : 2 x 3 = 6

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

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

Total :45 Marks

End Semester Examination – Question Paper Pattern and Distribution of Marks

Language and English – UG

Section A 10 x 1 (10 out of 12) : 10 Marks

Section B 5 x 5 (5 out of 7) : 25 Marks (250 words)

Section A 4 x 10 (4 out of 6) :40 Marks (600 - 700 words)

Total : 75 Marks

UG - Core and Allied courses:

ESE Question Paper Pattern : 5 x 15 = 75 Marks

Question from each unit comprising of

One question with a weightage of 2 Marks : 2 x 5=10

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

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

Continuous Internal Assessment: 25 Marks - THEORY

CIA Test : 5 marks (conducted for 45 marks after 50 days)

Model Exam : 7 marks(Conducted for 75 marks after 85 days (Each Unit 15 Marks))

Seminar/Assignment/Quiz : 5 marks

Class Participation : 5 marks

Attendance : 3 marks

Total : 25 Marks

PRACTICAL

Lab Performance : 7 marks

Regularity : 5 marks

Model Exam : 10 mark

Attendance : 3 marks

Total : 25 marks

End Semester Examination: 75 Marks

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.

Part IV

Introduction to Entrepreneurship

Quiz : 50marks

Assignment : 25marks

Project / Case study : 25marks

Total : 100 Marks

Environmental Studies

Quiz : 50 Marks

Assignment : 25 Marks

Project / Case study : 25 Marks

Total : 100 Marks

Entrepreneurship and Innovation (Ignite X)

Quiz : 50 Marks

Assignment : 30 Marks

Project / Case study : 20 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

Course Code	Course Name	Category	L	T	P	Credit
CF24C01	CONCEPTS OF FASHION AND DESIGN	Theory	73	2	-	4

Preamble

To understand the effect of various social and psychological factors on clothing 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

CLO Number	CLO Statement	Knowledge Level
CLO1	Recognise fashion terms and concepts	K1
CLO2	Explain elements and principle of design	K2
CLO3	Examine fashion designers work and changes in fashion history	K3
CLO4	Develop design based on fashion forecasting	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
CL04	S	S	M	S	S

S- Strong; M-Medium

Syllabus

UNIT-I

13 hours

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, designer label, mass fashion, knock off/high street, avant garde, 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

13 hours

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 colour, colour theories – prang colour system and munsell colour system - colour harmonies.

UNIT – III

16 hours

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, newsletter services, web sites, directories and references.

UNIT –IV

16 hours

Understanding fashion designer - Indian and global fashion designers. Indian fashion designers – Sabyasachi Mukherjee, Rohit Bal, Manish Malhotra, Tarun Tahiliani, Masaba Gupta, Abu Jani and Sandeep Khosla, Neeta Lulla, Ritu Kumar, Ritu Beri, Anita Dongre. World fashion centers – France, Italy, America, Britain. Far East- contributions of well-known designers from France - Agnes, Sophie Albou, Italy- Pierre Cardin, Roberto Cavalli America - Adams Adrian, Joseph Abboud, Britain - Basso and Brooke and Far East countries - Sandy Powell, Valentino Garavani.

UNIT –V

15 hours

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.

Text Books

S.No.	Author	Title of the Book	Publishers	Year and edition
1	London College of Fashion	Fashion: Cultural History Psychology	London College of Fashion, UAL	2016
2	Kim. P. Johnson, Nancy Ann Rudd, Sharron J. Lennon	Social Psychology of dress	Bloomsbury	2017
3	Margaux ,Baum, Margaret Scott	Fashion and clothing(Life in the middle age)	Rosen central	2017

4	Carolyn Mair	The Psychology of Fashion	Routledge London	2018 1 st Edition
5	Mary Ellen Snodgrass	World Clothing and Fashion	Routledge	2013 1 st Edition
6	Denis Antoine	Fashion Design: A Guide to the Industry and the Creative Process	Bloomsbury Visual Arts	2020 1 st Edition

Reference link:

<https://textilelearner.net/stages-of-fashion-cycle/>
<https://www.slideshare.net/Tamilselvan245/fashion-cycle-adaption-of-fashion>
<https://pahaldesign.com/10-best-fashion-designer-of-world/>
<https://www.cosmopolitan.com/style-beauty/fashion/g34647685/indian-fashion-designers/>
<https://shilpaahuja.com/20-top-fashion-designers-india/>
<https://pahaldesign.com/10-best-fashion-designer-of-world/>
<https://www.wgsn.com/en/products/fashion>

Course Designer:

Dr.R.Radhika

Course Code	Course Name	Category	L	T	P	Credit
CF24P01	SURFACE ORNAMENTATION LAB	Practical	-	-	120	5

Preamble

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

Course Learning Outcome

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

CLOs Number	CLO Statement	Knowledge Level
CLO1	Illustrate suitable stitches for embroidery designs.	K2
CLO2	Apply different Hand and Machine Embroidery techniques on fabrics.	K3
CLO3	Develop samples by value addition.	K3
CLO4	Distinguish between manual work and machine for embellishments.	K4
CLO5	Examine designs for product development	K4

Mapping with Programme Learning Outcomes

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

S- Strong; M-Medium; L-Low

Syllabus

1. Hand embroidery - 15 stitches and fancy embroideries – 5 (5 samples with 20 stitches) **12 hrs**
2. Machine Embroidery- 9 stitches - 3 samples **8 hrs**
3. Applique - 3 types – hand, machine and iron applique **10 hrs**
4. Smocking - 3 types **8 hrs**
5. Tatting and crochet **9 hrs**
6. Bead work, Sequins work and Aari work - each one sample **12 hrs**

7. Zardosi work -1 sample 8 hrs
8. Patch work 8 hrs
9. Quilting work 7 hrs
10. Traditional embroideries of India – Pulkari of Punjab, Kasuti of Karnataka, Kashida of Kashmir, Chikankari of Lucknow, Kantha of Bangladesh and Kutch of Gujarat - each one sample 15 hrs
11. **Design Development (any one Experiment)** 15 hrs
 - Research and theme finalization
 - Design finalization and Sourcing
 - Mood and Colour board
12. **Product Development** 8 hrs
 - Motif and product Development
 - Composition to portfolio sheets

Pedagogy:

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

Text Books

S.No.	Author	Title of the Book	Publishers	Year and edition
1	Shailaja D. Naik	Traditional Embroideries of India	APH Publishing	1996 1 st Edition
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 café Recipes for Amigurumi crochet patterns	Blue star press	2020
5	Megan Eckman	Everyday Embroidery for Modern Stitchers	C&T Publishing	2020
6	Suja shaji	Embroidery	State institute of languages	2022

Reference 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/R8dTNfAOCtI>

Course Designer:

Dr.R.Radhika

Course Code	Course Name	Category	L	T	P	Credit
CF24AP1	FASHION ILLUSTRATION LAB I	Practical	-	-	105	4

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

CLOs Number	CLO Statement	Knowledge Level
CLO1	Identify motifs and fabrics for embellishments.	K2
CLO2	Apply elements, principles of design, colour theories and harmonies in fashion	K3
CLO3	Sketch fullness and garment components in fashion	K3
CLO4	Develop illustration for accessories	K4
CLO5	Relate design and style through illustration	K4

Mapping with Programme Learning Outcomes

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

S- Strong; M-Medium; L-Low

Syllabus

- Elements of design - lines (straight, wavy, radiating related to textile stripes), dots, checks, curves and points, form, shape, size, texture. **5 hrs**
- Drawing techniques- shading, smudging, hatching techniques (cross hatching, scribbling, doodling) **5 hrs**
- Fabric rendering – learning to simulate textures of various fabrics – velvet, silk, fur, denim, printed cotton, lace, net, embroidery, leather, satin, sequins. (each-1) design a dress using any one fabric rendering **11 hrs**
- Types of Motifs (any-1) - (natural/ geometric/abstract/stylized/conventional) **9 hrs**

- motifs) enlarging and reducing motifs- grid techniques of drawing
5. Application of elements of design in garments-line, colour, texture, shape and size **9 hrs**
 6. Application of principles of design in garments - harmony, rhythm, proportion, balance (symmetrical and asymmetrical balance) and emphasis **10 hrs**
 7. Preparation of colour charts – prang colour chart, value chart and intensity charts **10 hrs**
 8. Application of colour harmony in garment design – monochromatic colour harmony, analogous colour harmony, complementary colour harmony, double complementary colour harmony, split complementary colour harmony, triad and tetradic colour harmony **10 hrs**
 9. Illustrating details of fullness - pleats, ruffles, shirring and smocking. (each 2) **8 hrs**
 10. Illustrating features and garments - pockets, collars, sleeves, yokes, skirts, trousers, tops. (each 2) **8 hrs**
 11. Illustrating ornaments – necklace, bracelet, earring, rings, head piece, anklet and Illustrating accessories - hat, handbags, shoes, gloves, sunglasses and masks. (each 5) **15 hrs**
 12. Compose related illustration as portfolio sheets for a given theme **5 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	Ireland Patrick John	Fashion Design Drawing & Presentation	Pavilion Books	1982
2	Ireland Patrick John	Fashion Design Illustration: Children	B T Batsford Ltd	1995
3	Anna Kiper	Fashion Illustration: Inspiration and Technique	David & Charles	2011
4	Bina Abling	Fashion Sketch Book	Fair Child Publication	2006 5 th Edition
5	Julian Seaman	Foundation in fashion design and illustration.	Batsford Publishers	2001
6	Dilip Karampuri and Jayashree Bhosale	Fashion Sketches Book (Basic)	Liberty publications	2012

Reference link

<https://youtu.be/UwbjsrY2ps8>
<https://youtu.be/phO4E2A4KKg>
<https://youtu.be/Q0W39iKaEmQ>
<https://youtu.be/bDDyDvUYJoI>
<https://youtu.be/fGVdntklOMg>

Course Designer:

Dr.R.Radhika

Course Code	Course Name	Category	L	T	P	Credit
CF24C02	APPAREL COMPONENT DEVELOPMENT	Theory	58	2	-	4

Preamble

To impart foundational knowledge on the garment components and its basic construction methods.

Course Learning Outcomes

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

CLOs Number	CLO Statement	Knowledge Level
CLO1	Identify the key terms and concepts relate to garment construction	K1
CLO2	Generalize the basic principle of various apparel components.	K2
CLO3	Analyze the classification of apparel components	K3
CLO4	Outline the application of trims and decoration in apparel.	K4

Mapping with Programme Learning Outcomes

CLOS	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5
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

Unit I

11hrs

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.

Unit II

12hrs

Fullness - definition, types of fullness – darts, tucks, pleats, flares, godets, gathers, shires and frills. Calculating the amount of materials for fullness. Neck finishes - definition, bias- definition, joining bias and uses. Types - bias facing, bias binding and shaped facing.

Unit III

12hrs

Plackets- definition, characteristics of a good placket, classification – continuous bound, bound and faced, fly opening, zipper, tailored and center front or shirt placket. Garment closures - introduction, types - hook and eye, press buttons, shirt button and button holes, types of zippers - visible and concealed zippers, velcro

Unit IV

12hrs

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. Neck 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.

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 and yoke supporting or releasing fullness. Trimmings and decoration - definition, types -bias trimming, ricrac, ruffles, embroidery, smocking, faggoting, applique, lace , lace motifs, scalloped edging and decorative fastening – belts and bows.

Pedagogy:

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

Text Books:

S.No.	Author	Title of the Book	Publishers	Year and Edition
1	Mary Mathews	Practical Clothing Construction Part-II. Designing	Drafting and tailoring Bhattarams Reprographics (P) Ltd	1991 1 st Edition
2	ZarapkarK.R	Zarapkar System of Cutting	Navneet Publications India	2005

Reference Books:

S.No.	Author	Title of the Book	Publishers	Year and Edition
1	Hilary Campbell	Designing Patterns	Om Book Services, New Delhi	2003
2	Helen Joseph	Pattern Making for Fashion Design	Pearson Education India	2013 5 th Edition

Reference link:

<https://simplechic.com/pages/body-measurement-guide>

<https://fcs-hes.ca.uky.edu/sites/fcs-hes.ca.uky.edu/files/ct-mmb-182.pdf>

<https://www.masterclass.com/articles/what-are-the-different-types-of-sleeves-in-fashion>

<https://shorturl.at/5B1hQ>

Course Designer

1.T Prathiusa

2.K J Manjusha

Course Code	Course Name	Category	L	T	P	Credit
CF24P02	APPAREL COMPONENT DEVELOPMENT LAB	Practical	-	-	120	5

Preamble

To impart skills on basic apparel construction techniques.

Course Learning Outcomes

CLOs Number	CLO Statement	Knowledge Level
CLO1	Associate essential tools and material required for garment construction.	K2
CLO2	Prepare sample for various apparel components.	K3
CLO3	Analyse the construction techniques used for apparel components.	K3
CLO4	Construct the miniature samples of apparel components.	K3

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

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	M	S	S
CLO4	S	S	S	M	S

S- Strong; M-Medium

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 stitch, bound seam, 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 gathering – gathering by hand, machine and elastic. Ruffle - single, double and circular. Godets **13 hrs**
5. Preparation of samples for facing and binding- bias facing, shaped facing **12 hrs**

- and binding
6. Preparation of samples for plackets- continuous bound, two-piece placket, zipper and tailored placket **11 hrs**
 7. Preparation of samples for fasteners - button and buttonhole, hook and eye and press button. **6 hrs**
 8. Preparation of samples for sleeves- plain sleeve, puff sleeve, raglan sleeve and cap sleeve **10 hrs**
 9. Preparation of samples for yoke- simple yoke, yoke without fullness and yoke supporting fullness **10 hrs**
 10. Preparation of samples for collar - peter pan collar, shirt collar, shawl collar **12hrs**
 11. Preparation of sample for pocket - patch pocket, bound pocket and side pocket **6 hrs**
 12. Preparation of sample for mask – pleated mask and padded mask **6 hrs**

Pedagogy:

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

Text Books:

S.No.	Author	Title of the Book	Publishers	Year and Edition
1	Phyllis Brackelsberg and Ruth Marshall	Unit Method of Clothing Construction	Waveland Pr. Inc	March 1999 7 nd Edition
2	Manmeet Sofhia	Garment Construction	Kalyani Publishers	February 2008

Reference Books:

S.No.	Author	Title of the Book	Publishers	Year and Edition
1	Anetta Fischer and Kiran Gobin	Construction for Fashion Design	Bloomsbury Visual Arts	May 2017 2 nd Edition
2	Colleen Dorsey	Illustrated Guide to Sewing Garment Construction	Design Originals	April 2011

Reference Link:

<https://tinyurl.com/48hvubbm>

<https://tinyurl.com/3xf2pa2v>

<https://tinyurl.com/2s4j7ft2>

<https://tinyurl.com/5wnx9rck>

Course Designer:

1.T.Prathiusa

2.Dr.P.Anadhi

Course Code	Course Name	Category	L	T	P	Credit
CF24AP2	FASHION ILLUSTRATION LAB II	Practical	-	-	120	4

Preamble

To enhance technical skills in illustrating various fashion figure and different occasional garment.

Course Learning Outcomes

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

CLOs Number	CLO Statement	Knowledge Level
CLO1	Illustrate different size of human figure in diverse poses	K2
CLO2	Apply sketching techniques in features of human body	K3
CLO3	Relate human figure in seasonal trends	K3
CLO4	Determine design and product development for a portfolio.	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

1. Illustrating human figure in proportion using 8, 9, 10, 12 head theory –stick figure, block figure and fleshy figure in standing poses **12hrs**
2. Illustrating detail -eyes, ears, nose, lips, fingers, feet, hand, legs and hair styling **10hrs**
3. Illustrating fashion figure – front view, back view, side view **10hrs**
4. Different postures of fashion figure- S, X, T pose. **10hrs**
5. Illustrate silhouette for children - casual wears, night wear and picnic wear with back ground **10hrs**
6. Illustrate silhouette for men - office wear and sportswear with back ground **10hrs**
7. Illustrate silhouette for women - party wear and lingerie with back ground **12hrs**
8. Design and illustrate traditional costume any two states of India **12hrs**

9. Create fashion illustration from magazines/photography **12hrs**
10. Design development (Men's/Women's/Children's wear) **12hrs**
 - Research
 - Finalization of theme
 - Preparation of mood board
 - Sourcing
 - Fabric board
 - Color board
 - Finalization of designs
11. Design presentation **10hrs**
 - Flat sketch to final sketch based on theme
 - Presentation as design composition

Pedagogy:

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

Text Books:

S.No.	Author	Title of the Book	Publishers	Year and edition
1	Parragon	Fashion Handbook: Everything You Need to Know About Style (Girls Only) Hardcover	Parragon Inc	1 February 2008 – 1 st Edition

Reference Books:

S.No.	Author	Title of the Book	Publishers	Year and edition
2	Lisa Steinberg	Beginner's Guide to Sketching the Fashion Figure: Croquis to Design - Bundle Book + Studio Access Card Paperback	Fairchild Books	2 April 2020
3	Lisa Steinberg	Beginner's Guide to Sketching the Fashion Figure	Bloomsbury Publishing	Feb 20 2020 – 1 st Edition

Reference Links:

<https://www.youtube.com/watch?v=b9qrj0MXFSg>

https://www.youtube.com/watch?v=h_WJCWgdK4o

<https://www.youtube.com/watch?v=w70Lkgquox0>

<https://www.youtube.com/watch?v=b9qrj0MXFSg>

Course Designer:

1. Dr. S. Thamaraiselvi
2. Manjusha K.J

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	Discriminate between drafting and draping methods	K2
CLO3	Apply concepts of style variations from basic pattern	K3
CLO4	Outline 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 stripped 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 st Edition
5	Helen Joseph	Pattern Making for Fashion Design	Peason Educations, New Delhi	2013 5 th Edition
6	Kathy K. Mullet	Concepts of Pattern Grading Techniques for Manual and Computer Grading	Bloomsbury Publishing	2015 3 rd 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>

Course Designer:

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

- | | |
|---|--------|
| 1. Designing and pattern development - baby set (jabla, panty, bib, bonnet) | 10hrs |
| 2. Garment development and cost estimation - baby set (jabla, panty, bib, bonnet) | 15 hrs |
| 3. Designing and pattern development - romper / baba suit | 7 hrs |
| 4. Garment development and cost estimation - romper / baba suit | 10 hrs |
| 5. Designing and pattern development - summer frock with embroidery | 5 hrs |
| 6. Garment development and cost estimation - summer frock with embroidery | 8 hrs |
| 7. Designing and pattern development - kurta and pyjama | 5 hrs |
| 8. Garment development and cost estimation - kurta and pyjama | 10 hrs |
| 9. Designing and pattern development - jumpsuit / shorts | 5 hrs |
| 10. Garment development and cost estimation - jumpsuit / shorts | 10 hrs |

11. Design Development (any one Garment) **10 hrs**
 - Research and theme
 - Design finalization and material sourcing
 - Measurements and specification sheets
12. 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
CLO1	Recognise fabric for draping basic pattern	K2
CLO2	Translate the draped fabric as paper pattern	K2
CLO3	Apply draping concepts for men's wear	K3
CLO4	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	5 hrs
2. Draping front bodice	6 hrs
3. Draping back bodice	6 hrs
4. Draping basic sleeve	6 hrs
5. Draping raglan sleeve and cowl sleeve	12 hrs
6. Draping- peter pan, mandarin and shawl collar	12 hrs
7. Draping yokes –yoke with fullness (any three style) and midriff yoke.	12 hrs
8. Draping – T-shirt and trouser	10 hrs
9. Draping –skirt and full dress (gown / maxi)	9 hrs

10. Draping – innovative garment (male / female)

12 hrs

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

Course Designer:

Dr.R.Radhika

COURSE CODE	COURSE TITLE	CATEGORY	L	T	P	CREDIT
CF24C04	TEXTILE SCIENCE	THEORY	58	2	-	4

Preamble

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

Prerequisite

Basic knowledge of fibre and yarn.

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	PLO1	PLO2	PL03	PL04	PL05
CLO1	S	M	M	L	L
CLO2	S	S	M	M	L
CLO3	M	M	M	S	S
CLO4	M	M	M	S	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. Extraction of unconventional natural fibres – banana and hemp. Mineral fibre - basalt and ceramic fibre.

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 – opening, cleaning, blending, carding, combing, drawing, roving, spinning and winding. Types of spinning – OE, Vortex, ring and air-jet spinning. Types of yarn. Latest trends in yarn manufacturing. Sewing thread and its properties.

Unit-IV**12 hrs**

Weaving - definition - loom - history of loom. Types of looms - handloom, semiautomatic (Chittaranjan loom) and power loom. Parts of hand loom and its functions. Shuttle loom - pit loom, stand loom and frame loom. Shuttleless looms - rapier, air-jet, water jet, projectile and multiphase loom. Preparatory process of weaving - winding – warping - sizing – beaming; Weaving process - shedding, picking, beating up, take up, let off

Unit-V**12 hrs**

Knitting - definition – classification and types of knitting. weft knitting- single jersey, rib, interlock and jacquard, warp knitting – tricot and rachel. Flat bed knitting machine - parts and functions, circular knitting machine – parts and functions.

Non-woven - definition, types of non-woven, Bonded - dry laid, wet laid, spun laid and melt blown. Felting – needle punched felt. Manufacturing process and properties of non-woven fabric.

Text Books:

S.No.	Author	Title of the Book	Publishers	Year and edition
1	Seema Sekhri	Textbook of Fabric Science: Fundamentals to Finishing	PHI Learning Pvt. Ltd	2022 and 1 st edn.
2	Rastogi Deepali, Chopra Sheetal	Textiles Science	Orient Blackswan Private Limited	2017 and 1 st edn.
3	Virginia Hencken Elsasser	Textiles: Concepts and Principles	Bloomsbury	2010 and 1 st edn.
4	Virginia Hencken Elsasser	Textiles: Concepts and Principles	Fairchild Books	2010 and 3 rd edn.
5	T. Karthik & R. Rathinamoorthy	Nonwoven Textiles	Woodhead Publishing India	2017 and 1 st edn.

Books for Reference

S.No.	Author	Title of the Book	Publishers	Year and edition
1	Mather R.R.	The Chemistry of Textile Fibres	RSC Publishing	2015 and 2 nd edn.
2	Sara J. Kadolph	Textiles	Pearson / Prentice Hall	2010 and 11 th edn.
3	P.V. Patel & A. Patel	Introduction to Textiles	Mahajan Publishing House	2015 and 1 st edn.

4	Joseph J. Pizzuto	Fabric Science	Fairchild Books	2011 and 10 th edn.
5	T. K. Pattabhiram	Yarn Production, Structure and Properties	Mahajan Publishers	2012 and 1 st edn.

Reference link

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

<https://tinyurl.com/y3syeytb>

<https://tinyurl.com/bdfn4zs>

<https://surl.li/aavjrf>

<https://textilementor.com/nonwoven-textiles-types-nonwoven-manufacturing/>

Pedagogy

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

Course Designers

1. Dr.P.Anathi
2. R.SaranyaDevi

COURSE CODE	COURSE TITLE	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.

Prerequisite

Basic knowledge in construction of apparel components

Course Learning Outcomes

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

CLOs Number	CLO Statement	Knowledge Level
CLO1	Illustrate design and develop pattern for garment	K2
CLO2	Apply pattern layout skills to optimize fabric usage and construct garment	K3
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	S	S	S
CLO2	S	S	S	S	S
CLO3	M	M	M	M	M
CLO4	L	L	M	S	S

S- Strong; M-Medium; L-Low

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

Text Book

S.No.	Author	Title of the Book	Publishers	Year and Edition
1	Dr. M. Sumithra	Advanced Garment Construction Guide	Woodhead Publishing India Pvt. Limited	2021 and 1 st edn.
2	Louise A. Liddell, Carolee S. Samuels	Fashion Design & Construction	Goodheart-Willcox Company, Inc.	2023 and 12 th edn.

Books for Reference

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 and 1 st edn.
2	Claire Wagnier	Men's garments become a pattern drafter	Esmod Editions	2012 and 1 st edn.

Reference link

<https://www.stylecraze.com/articles/types-of-skirts/>
https://www.youtube.com/watch?v=103QGBR_pAY

Pedagogy

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

Course Designers

1. Dr.R.Tryphena
2. P.Praveena

COURSE CODE	COURSE TITLE	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.

Prerequisite

Basic knowledge of apparel construction and pattern making

Course Learning 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	M	M
CLO2	M	M	S	S	S
CLO3	L	M	S	S	S
CLO4	L	M	S	S	S

S- Strong; M-Medium, L - Low

Syllabus

- Software basics – tool kit, features and techniques **5 hrs**
- Create/compile a portfolio with the following details – theme board, mood board, colour board and swatch board **6 hrs**
 - Surface Ornamentation samples
 - Mens /Womens /Childrens Garment
 - Fashion Illustration
- Design and pattern development for T shirt **12 hrs**
- Grading and marker efficiency for T shirt **8 hrs**
- Design and pattern development for kurta **13 hrs**
- Grading and marker efficiency for kurta **8 hrs**
- Design and pattern development for full sleeve shirt **12 hrs**
- Grading and marker efficiency for full sleeve shirt **8 hrs**

9. Design and pattern development for trousers- narrow bottom / bellbottom
10. Grading and marker efficiency for trousers- narrow bottom / bellbottom

10 hrs

8 hrs

Text Book

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

Books for Reference

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	2015 and 1 st edn.
2	Elizabeth Liechty, Della Pottberg-Steineckert, Judith Rasband	Fitting & Pattern Alteration: A Multi-Method Approach to the Art of Style, Selection, Fitting, and Alteration	Fairchild Books	2016 and 3 rd edn.

Reference link

https://youtu.be/jTWtQNTJt_A

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

Pedagogy

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

Course Designers

- 1.Dr.S.Thamaraisevli
- 2.K.J Manjusha

Coursera Course: Fashion Reality / CF23SCE1

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

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.

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

S.No.	Author	Title of the Book	Publishers	Year and edition
1	Kanwar Varinder	Elementary Idea of Textile Dyeing, Printing And Finishing	Kalyani Publishers	2004
2	A Arora	Textbook of Dyes	Sonali Publications	2009, 1 Edn
3	Gh Hurst	Silk Dyeing, Printing and Finishing	Abhishek Publications	2008
4	Ce Pellew	Dyes and Dyeing	Abhishek Publications	2007
5	Sr Karmakar	Chemical Technology in the Pre-Treatment Processes of Textiles	Elsevier Publications	2011, 1 Edn

Reference Books

S.No	Author	Title of the Book	Publishers	Year and edition
1	Chakraborty	Fundamentals and Practices in Colouration of Textiles	Woodhead Publishing	2010, 1 Edn
2	Paterson	Textile Colour Mixing	Abhishek Publications	2008
3	F Beech	The Dyeing of Woolen Fabrics	Abhishek Publications	2008, 1 Edn
4	Jl Smith	Textile Processing, Printing, Dyeing, Finishing	Abhishek Publications	2009, 1 Edn
5	F Beech	The Dyeing of Cotton Fabrics	Abhishek Publications	2010, 1 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 Designers

- Dr.R.Divya
- Ms T Prathiusa

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 **8 hrs**
(i) Single natural dyes **8 hrs**
(ii) Double natural dyes
- Development of a patterned fabric using tie and dye technique **9 hrs**

- | | | |
|-----|--|---------------|
| 7. | Batik printing for any three motifs with single/ double /multiple colours using natural dyes | 10 hrs |
| 8. | Print a design using screen printing methods with single/ double using natural dyes | 10 hrs |
| 9. | Create a print design with a combination of any two print techniques for any one product | 12 hrs |
| 10. | 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 st Edn
2	Rajkishore Nayak, Rajiv Padhye	Sustainable Manufacturing Practices in the Textiles and Apparel Industry	Springer	2025 1 st Edn
3	Subramanian Senthilkannan Muthu, Miguel Angel Gardetti	Sustainability in the Textile Industry	Springer	2016 1 st 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 st Edn
2	Padma S. Vankar	Natural Dyes for Sustainable Textiles	Elsevier	2023 1 st Edn
3	Kate Fletcher	Sustainable Fashion and Textiles: Design Journeys	Earthscan	2008 1 st Edn

Reference link:

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 Designers

- Ms P.Praveena
- Dr M Malini Devi

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 |
| | <ul style="list-style-type: none"> • 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 | 8 Hrs |
| 12. | Create spec sheet for men - corporate wear | 8 Hrs |

Pedagogy:

Lecture method, PPT presentation, demonstration, video.

Text Books

S.No.	Author	Title of the Book	Publishers	Year and Edition
1	Asim Kumar	Modern Concepts of Color and Appearance	Oxford and Ibh Publishing	2000, 1 Edn.
2	Deepak Bin	Photoshop Cs5	Lawpoint Publications	2010, 1 Edn.
3	Lewis	2000 Colour Combinations	Barrons	2009, 1 Edn.

Reference Books

S.No.	Author	Title of the Book	Publishers	Year and edition
1	Maite Lafuente	Fashion Illustration Flat Drawing	Paragon Publishing Book	2007, 1 Edn
2	Sarah	Digital Visions For Fashion and Textiles	Thames and Hudson	2012 , 1 Edn..

3	David Page Coffin	Making Trousers For Men and Women	Creative Publishing International	2009.
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Reference link:

<https://www.youtube.com/watch?v=Gpj6g8tELm4>

<https://www.youtube.com/watch?v=Pyfw3FqlWmo>

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

Course Designers

- Dr.M.MaliniDevi
- Ms K J Manjusha

Course Code	Course Title	Category	L	T	P	Credit
CF24P07	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 vitae | 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 - Theme board/story board - Mood 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. | Flat sketch and silhouette board for Kid – 2 designs | 7 Hrs |
| 11. | Flat sketch and silhouette board for Men – 2 designs | 7 Hrs |
| 12. | Flat sketch and silhouette board for Women – 2 designs | 7 Hrs |

Pedagogy:

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

Text Books

S.No.	Author	Title of the Book	Publishers	Year and Edition
1	Manmeet Sodhia	Design Studies	Kalyani Publishers	2004, 1 Edn.
2	Tate Edwards	Inside Fashion Design	Pearson Education	2007, 1 Edn.
3	MC Kelvey	Fashion Source Book	Blackwell Publishing	2006

Reference Books

S.No.	Author	Title of the Book	Publishers	Year and edition
1	Naoki Watanabe	Contemporary Fashion Illustration Techniques	Rockport Publishers	2009, 1 Edn.
2	Paterson	Textile Colour Mixing	Abhishek Publications	2008, 1 Edn.
3	Amit Kumar	Fashion Tourism	Sonali Publications	2011, 1 Edn.

Reference link:

<https://shorturl.at/hnW39>

<https://shorturl.at/FRV09>

<https://shorturl.at/mptZ0>

Course Designers

- Dr M Malini Devi
- Ms K J Manjusha

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	Gopala Krishnan	Fabric Structure	New Age International Publishers	2011, 1 Edn
2	K. Sukumar	Clothing Machinery and Equipment	SSM Institute of Textile Technology (SSMITT)	2007, 1 Edn
3	Anbumani N.	Knitting: Fundamentals, Machines, Structures and Developments	New Age International Publishers	2007, 1 Edn
4	Seema Kapoor	Woven Textile Design	Sonali Publications	2016, 1 Edn
5	Henry Johnson	Introduction to Knitting Technology	Abhishek Publications	2008, 1 Edn

Reference Books

S.No.	Author	Title of the Book	Publishers	Year and edition
1	W. S. Murphy	Handbook of Weaving	Abhishek Publications	2009 1st Edition
2	N Gokerneshan	Fabric Structure and Design	New Age International Publishers	2004 1st Edition
3	Shailaja	Surface Designing Of Textile Fabrics	New Age International Publishers	2006 1st Edition
4	WS Murphy	Textile Weaving And Design	Abhishek Publications	2007 1st Edition
5	Laila Lundell	The Big Book Of Weaving	Collins And Brown	2005 1st Edition

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

Course Designers

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

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, Hometech and Packtech – Clothtech-introduction, definition, types of fibers used, functions, properties, characteristics and applications in clothing, luggage and other bags. Hometech – 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.	Ajay Jindal	Textile Raw Materials	Abhishek Publications	2007
2.	Arindam Basu	A Study on Extra Sensitive Yarn Imperfections on Fabric Appearance	Sitra	2009, 1 Edn
3.	Meenakshi Rastogi	Mineral Textile	Sonali Publications	2009
4.	Davis George	Nano Technology	Aph Publishing Corporation	2011, 1 Edn
5.	Rk Goel	Laboratory Techniques in Sericulture	Aph Publishing Corporation	2009, 1 Edn

Reference Books

S.NO	Name of the Authors	Title of the book	Publishers	Year and edition
1	Jb Rattan	Modern Textile Technology	Abhishek Publications	2007
2	Henry Johnson	Introduction to Knitting Technology	Abhishek Publications	2008, 1 Edn
3	Wilson	Flame Resistant Cotton	Woodhead Publishing	2004
4	Kp Chellamani	Breathability of Woven Surgical Gowns Treated with Nano Finishes	Sitra	2011, 1 Edn
5	Gk Ghosh	Non Conventional Textiles	Aph Publishing Corporation	2011, 1 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 Designers

- Dr M Malini Devi
- Ms 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	Dbn Murthy	Consumer And Quality	New Age International Publishers	2001 1 ^t Edn
2	Venugopal	Marketing Management	Response Books	2010 1 ^t Edn
3	Jenny Davis	Fashion- Introduction, Life-style, Communication	Abhishek Publications	2008 1 ^h Edn
4	Anmol Roy	Fashion Designing of Clothes and Ornaments	Sonali Publications	2011
5	Petre Mc Claud	Past and Present Trends in Fashion Technology	Abhishek Publications	2009

Reference Books

S.No.	Author	Title of the Book	Publishers	Year and edition
1	Ns Kalpana	Changing Trends in Apparel Industry	Abhishek Publications	2006
2	Manmeet So-dhia	Design Studies	Kalyani Publishers	2004
3	Manmeet So-dhia	Fashion Marketing and Merchandising	Kalyani Publishers	2008 1 Edn
4	Solomon Rabolt	Consumer Behaviour in Fashion	Pearson Education	2004
5	Vasugi Raaja	Apparel Merchandising Management	Pranav Publication	2011 1 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:

- Ms 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	Seema Kapoor	Apparel Manufacturing Technology	Sonali	2017, 1 Edn
2	Sumathi Gj	Elements of Fashion and Apparel Design	New Age International Publishers	2002, 1 Edn
3	Ps Ravichandran	Textile Marketing and Merchandising	SSMITT	2005, 1 Edn
4	Mehta Pradip V, Bhardwaj Satish K	Managing Quality in the Apparel Industry	New Age International Publishers	1998, 1 Edn
5	Khurana Kamal	Merchandising of Fashion Products	Sonali Publications	2012

Reference Books

S.No.	Author	Title of the Book	Publishers	Year and edition
1	Kewin Thomas	Know about Fabric and their Manufacture	Abhishek Publications	2009, 1 Edn
2	Arindam Basu	A Study on the Cost and Quality of Fabrics Imported by the Garment Industry Vis-À-Vis that of Fabrics Sourced within the Country	Sitra	2007, 1 Edn
3	Kp Chellamani	Yarn Quality Requirements and Techno Economics of Shuttle less Looms	Sitra	2004, 1 Edn
4	Sreenivasan	Managing Quality Concepts and Tasks	New Age International Publishers	2005, 1 Edn
5	S Purushothama	Effective Implementation of Quality Management Systems	Woodhead Publishing	2010

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.Divya
- Ms P Praveena