

PROGRAMME: B.SC
DEPARTMENT OF FASHION AND
COSTUME DESIGNING
(SHIFT-I)
(2019-2022)



HOLY CROSS COLLEGE (AUTONOMOUS)

Affiliated to Bharathidasan University

Nationally Accredited (4th Cycle) with A⁺⁺ Grade (CPGA 3.75/4) by NAAC

College with Potential for Excellence.

Tiruchirappalli - 620002.

SCHOOL OF MEDIA STUDIES AND FASHION DESIGN
DEPARTMENT OF FASHION AND COSTUME DESIGNING
Programme: B.Sc
(2019-2022)

PO No.	PROGRAMME OUTCOMES <i>Upon completion of the B.Sc. Degree Programme, the graduate will be able to</i>
PO-1	Understand and learn about the basic concepts of textile and fashion designing and its techniques that impact in our day to day life.
PO-2	Acquire knowledge about the style and designs that can be implemented in various textile materials.
PO-3	Perform the textile material analysis using different tools and methods that are learned.
PO-4	Demonstrate and understand about costume designing and textiles to enhance the person's personality through clothing.
PO-5	Gain knowledge and skills required for entrepreneur through apparel quality cost control and visual merchandising.
PO-6	Understand the flow process of garment industry from designing to export procedures.

PSO No.	PROGRAMME SPECIFIC OUTCOMES <i>Upon completion of these courses the student would</i>
PSO-1	Know the basic concepts of textile and fashion to adapt to our daily life.
PSO-2	Acquire knowledge about various textile materials where the style and designs suits the particular material.
PSO-3	Be able to know about the tools and techniques that work specific function on textile materials.
PSO-4	Recognize and analyze every single person's personality that suits their clothing.
PSO-5	Gain knowledge about entrepreneurs and to unique the business from others.
PSO-6	Be able to become a fashion designer and can also be able to successfully begin a garment industry.

HOLY CROSS COLLEGE (AUTONOMOUS) TIRUCHIRAPALLI-2
DEPARTMENT OF FASHION AND COSTUME DESIGNING
(For the candidates admitted from 2019 onwards)
COURSE PATTERN 2019-2020

B.Sc. FASHION AND COSTUME DESIGNING

Semester	Part	Course	Title of the Core	Code	Hrs/week	Credit	Total
I	I	Language	Tamil Paper -I / Hindi Paper-I / French Paper -I	U19TL1GEN01/ U18HN1HIN01/ U16FR1FRE01	6	3	100
	II	English	English Paper – I	U15EL1GEN01	6	3	100
	III	Major core 1	Textile Science	U19FC1MCT01	4	4	100
		Allied 1	Introduction to fashion designing	U19FC1ACT01	4	4	100
		Allied 2	Practical Fashion Illustration and Draping	U19FC1ACP02	6	4	100
	IV	Environmental studies	Environmental Studies	U18RE1EST01	2	1	100
		Value Education	Bible-I/Catechism-I/Ethics-I	U15VE1LVB01/ U15VE1LVC01/ U15VE1LVE01	1	-	-
			Service Oriented Course		1	-	-
			Internship/Field work/Field Project-30 hours-Extra Credit	U18SP1ECC01		2(Extra credit)	100
	TOTAL					30	19+2
II	I	Language	Tamil Paper-II/Hindi Paper -II/French Paper- II	U19TL2GEN02/ U19HN2HIN02/ U16FR2FRE02	5	3	100
	II	English	English Paper- II	U15EL2GEN02	6	3	100
	III	Major core 2	Wet Processing	U19FC2MCT02	4	3	100
		Major core 3	Practical Sewing Techniques and Wet Processing	U19FC2MCP03	6	5	100
		Allied 3	Historical Costume	U19FC2ACT03	4	3	100
	IV	Skill based Course(SBC -1)	Soft Skills Development	U15RE2SBT01	2	2	100
		Skill based Course(SBC- 2)	Sustainable Rural Development and Student Social Responsibility.	U18RE2SBT02	1	1	100
		Value Education	Bible-I/Catechism-I/Ethics -I	U15VE2LVB01/ U15VE2LVC01/	1	1	100

				U15VE2LVE01			
			Service Oriented Course		-	-	-
	VII	Industrial Course	IC- 1 Industry Management and Entrepreneurship	U19FC2ICT01	1	1	100
		Internship/Field work/Field Project-30 hours-Extra Credit		U18SP2ECC02		2(Extra credit)	100
TOTAL					30	22+2	900+100

Semester	Part	Course	Title of the Core	Code	Hrs/week	Credit	Total
III	I	Language	Tamil Paper-III/Hindi Paper- III/ French Paper-III	U15TL3TAM03/ U18HN3HIN03/ U16FR3FRE03	6	3	100
	II	English	English Paper- III	U15EL3GEN03	6	3	100
	III	Major Core 4	Textile Testing	U19FC3MCT04	4	4	100
		Major Core 5	Practical Home Textiles and Children's garment	U19FC3MCP05	6	4	100
		Allied 4	Pattern making and grading	U19FC3ACT04	4	4	100
	IV	Skill Based Elective(SBE-III)	Practical Surface Embellishment	U19FC3SBP03	2	2	100
		Gender Studies	Gender Studies	U15WS3GST01	1	1	100
			Service Oriented Course		-	-	-
		Value Education	Bible-II/Catechism-II/Ethics –II	U15VE3LVB02/ U15VE3LVC02/ U15VE3LVE02	1	-	-
		Extra Credit Internship/Field work/Field Project-30 hours-Extra Credit		U18SP3ECC03		2(Extra credit)	100
TOTAL					30	21+2	700+100
IV	I	Language	Tamil Paper-IV/Hindi Paper -IV/French Paper-IV	U15TL4TAM04/ U18HN4HIN04/ U16FR4FRE04	5	3	100
	II	English	English Paper – IV	U15EL4GEN04	6	3	100

	III	Major Core- 6	Fabric structure and Design	U19FC4MCT06	5	3	100
		Major Elective-I	Garment Manufacturing Technology	U19FC4MET01	4	4	100
		Allied-5	Practical Fashion Designing	U19FC4ACP05	5	5	100
		Allied- 6	Practical Women's wear	U19FC4ACP06	4	3	100
			Service Oriented Course		-	-	100
	IV	Value Education	Bible-II/Catechism-II/Ethics -II	U15VE4LVB02/ U15VE4LVC02/ U15VE4LVE02	1	1	100
		Extra Credit	Internship/Field work/Field Project-30 hours-Extra Credit	U18SP4ECC04	-	2(Extra credit)	100
TOTAL					30	22+2	800+ 100

Semester	Part	Course	Title of the Core	Code	Hrs/week	Credit	Total
V	III	Major Core 7	Apparel Merchandising and Marketing	U19FC5MCT07	5	4	100
		Major Core 8	Textile Finishing	U19FC5MCT08	5	4	100
		Major Core 9	Knitting	U19FC5MCT09	5	4	100
		Major Core 10	Practical Men's Wear	U19FC5MCP10	5	4	100
		Major Elective – II	Fabric Care	U19FC5MET02	5	5	100
		Non Major Elective- I	Fashion Evolution	U19FC5NMT01	2	2	100
	III	Skill Based Elective IV	Online Course	U19OC5SBT04	2	2	100
		Value Education	Bible-III/Catechism-III/Ethics-III	U15VE5LVB03/ U15VE5LVC03/ U15VE5LVE03	1		
		Extra Credit	Internship/Field work/Field Project-30 hours-Extra Credit	U18SP5ECC05	-	2(Extra credit)	100
TOTAL					30	25+2	700+100

VI	III	Major Core 11	Export Documentation	U19FC6MCT11	6	5	100
		Major Core 12	Technical textile	U19FC6MCT12	6	5	100
		Major Core 13	Practical Fashion Portfolio	U19FC6MCP13	6	5	100
		Major Elective- III	Garment quality and cost control	U19FC6MET03	5	5	100
		Non Major Elective-II	Home Textile	U19FC6NMT02	2	2	100
	IV	Skill Based Elective-V	Entrepreneurship Development	U19FC6SBT05	2	2	100
		Skill Based Elective-VI	Research Methodology	U15DS6SBT06	2	2	100
		Value Education	Bible-III/Catechism-III/Ethics-III	U15VE6LVB03/ U15VE6LVC03/ U15VE6LVE03	1		
		Service Oriented course	RESCAPES-Impact Study	U15RE6ETF01		1	100
		Extra Credit	Internship/Field work/Field Project-30 hours-Extra Credit	U18SP6ECC06	-	2(Extra credit)	100
TOTAL					30	27+2	800+100
GRAND TOTAL					180	136+12	4500+600

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HOLY CROSS COLLEGE (AUTONOMOUS) TIRUCHIRAPALLI-2
DEPARTMENT OF FASHION AND COSTUME DESIGNING
CHOICE BASED CREDIT SYSTEM
B.SC., FASHION AND COSTUME DESIGNING
First Year- Semester-I

COURSE TITLE	MAJOR CORE -1- TEXTILE SCIENCE
TOTAL HOURS	60
HOURS/WEEK	4 HRS / WK
CODE	U19FC1MCT01
COURSE TYPE	THEORY
CREDITS	4
MARKS	100

General Objective:

The students will learn about different types of fibers and yarns and they will also gain knowledge about different fabric manufacturing process like Weaving, Knitting and Nonwovens.

Course Objectives (CO):

After completion the student will be able to

CO No.	Course Objectives
CO-1	To identify and gain knowledge about Fiber and Yarn
CO-2	Analyze about yarn and to know about the different kinds of spinning
CO-3	To know about the loom and identify the weave structure and its defect
CO-4	Study about the knitting structures and its defects
CO-5	To familiarize about felt and non-woven uses

Unit I: Fiber and Yarn Manufacturing

12 Hrs

Fiber- Definition, Classification of Fiber, Yarn- Definition, Conventional Ring Spinning Method-Passage of Material through Carding, Doubling, Combing, Drawing, Roving, and Spinning. Yarn Twist, Yarn count. Types and Characteristics of Yarn- Ply yarns, Cable yarns, Double Yarns and Novelty Yarn and its Types.

Extra reading/Key words: Textile Fiber, Technical term of fibers and Yarn

Unit II: Yarn Manufacturing**12 Hrs**

Modern Spinning Methods-Passage of Material through Open End Spinning, Friction Spinning, Electrostatic Spinning, Air Jet Spinning, Twist less Spinning. Filament Yarn Spinning Methods Wet Spinning, Dry Spinning, Melt Spinning. Sewing Thread-Construction of Threads, Thread Size & Selection.

Extra reading/Key words: Formation of Yarn, Yarn Twisting and Yarn Count.

Unit III: Weaving**12 Hrs**

Preparation for Weaving (Wrapping, Sizing, Looming), Basic Loom Structure. Weaving – Definition, Primary Motion, Shedding – Definition and a Brief Explanation, Picking (Shuttle and Shuttle less loom), Beating up. Secondary Motion – Definition and Ancillary Motion. Types of Selvedges. Construction of cloth designs – Design, Draft and Peg plan. Classification of Weaves – Plain Weave, Twill, Satin, Crepe, Pile, Double Cloth, Dobby and Jacquard. Identification of Woven Fabric Defects.

Extra reading/Key words: Intersection of Yarn, Weaving Mechanism.

Unit IV: Knitting:**12 Hrs**

Knitting – Definition, Comparison between Woven Fabrics and Knitted Fabrics. Classification of Knitted fabrics Weft knitting- Plain Knit Stitch, Rib Stitch, Warp Knitting – Tricot knit, Raschel Knit, Milanese Knit, (Jacquard Knit, Pile Knit, Terry Knit, Velour Knit) Identification of Knitted Fabric Defects.

Extra reading/Key words: Interlooping of Yarn, Knitting Mechanism

Unit V: Felted and Non Woven Fabrics:**12 Hrs**

Felted Fabrics – Felting Process. Types of Felt, Properties and Use of Felt. Non Woven – Definition, Classification of Non Woven Fabric, Web Formation Techniques, Bonding Techniques and Finishing Techniques. Characteristics of Non Woven, Uses of Non Woven Fabrics.

Extra reading/Key words: Intermeshed fabrics, Bonding Techniques.

Note: Texts given in the Extra reading/Key words must be tested only through Assignments and Seminars.

Course Outcomes (CO):

The learner will be able to

CO No.	Course Outcomes	PSOs Addressed	Cognitive Level
CO-1	Understand various methods of making yarn, fiber and terminologies related to it	PSO-1,2	R,

CO-2	Learn about the different types of yarn and its spinning methods	PSO-2	U
CO-3	Understand the concept of weave and identify different weave structures and its mechanism	PSO-3	R,U
CO-4	Analyze the concept of knitting and evaluate different kinds of knitted fabrics and its defects	PSO-2,3	U
CO-5	Classify the felting process and its bonding techniques	PSO -1,3	E

PO- Programme Outcomes; CO- Course Outcome; R- Remember; U- Understand; Ap- Apply; An- Analyse; E- Evaluate; C- Create

TEXT BOOKS:

1. Bernard P. Corbman 1967 Edition:6 Textile Science (Textile Fiber to Fabric)
2. P. Angappan R. Gopala krishnan Edition: 4,5,6,7 Textile Testing.
3. N.S. Kaplan (2008) Textile Fibers, Abhishek Publications, Chandigarh.

BOOKS FOR REFERENCE:

1. Meenakshi Rastogi (2009) Fibers and Yarn, Sonali Publications, New Delhi.
2. Sara J. Radolph and Anna L. Lang Ford, Textiles, Prentice hall, New York, 2002.

(For candidates admitted from 2019 onwards)
HOLY CROSS COLLEGE (AUTONOMOUS) TIRUCHIRAPALLI-2
DEPARTMENT OF FASHION AND COSTUME DESIGNING
CHOICE BASED CREDIT SYSTEM
B.SC., FASHION AND COSTUME DESIGNING
First Year- Semester-I

COURSE TITLE	ALLIED-1 – INTRODUCTION TO FASHION DESIGNING
TOTAL HOURS	60
HOURS/WEEK	4 HRS/ WK
CODE	U19FC1ACT01
COURSE TYPE	THEORY
CREDITS	4
MARKS	100

General Objective:

The students will learn about meaning of fashion and its concept in fashion designing, they will also gain knowledge about different elements and principles of design with carriers towards fashion.

Course Objectives (CO):

After completion the student will be able to

CO No.	Course Objectives
CO-1	To know about the Fashion Designing and its Concept
CO-2	Identifying the product in fashion industry and how to promote the product in the market
CO-3	Examine various kinds of designs and its principles
CO-4	Explain about the principle of color and the color harmony in fashion sector
CO-5	Analyze the fashion facts and to improve the career ability of the entrepreneur

Unit I: Fashion Concept**12 Hrs**

Meaning of Fashion, Origin of Fashion, Meaning of Fashion Designing, Classification of Fashion, Influence of Fashion, Fashion Illustration and Fashion Cycle.

Extra reading/Key words: History of Fashion and Technical terms of Fashion

Unit II: Fashion Industry and Fashion Promotion**12 Hrs**

Fashion Industry – Boutique and its Importance, Present Structure of Fashion Industry; Textiles and Materials in Fashion Industry; Structure of the Fashion Market. Fashion Promotion – Impact of Fashion Promotion; Fashion Advertising and its objective, fashion journalism and its objectives.

Extra reading/Key words: Boutique Management, Fashion Market and Its Terms.

Unit III: Elements of Art and Principles of Design**12 Hrs**

Design – Structural Design, Decorative Design, Basic Silhouettes. Elements of Art and Principles of Design. Application of principles of design in dress.

Extra reading/Key words: Basics of Design and Elements of art.

Unit IV: Colour**12 Hrs**

Introduction of colour, colour wheel (Prang and Munsell System) properties and qualities of colour, colour scheme, theory of colour harmony, colour and garment, colour selection. Principles of combining colours. Procedure for combining colours.

Extra reading/Key words: Tint, shade, Hue, Value and Chroma

Unit V: Career in Fashion**12 Hrs**

Scope of fashion Business, Choosing a Career in Fashion, Career in Manufacturing, Designing, Career in Retailing, Residential Buying office of Careers, Career in Fashion Service Organization, Freelancing.

Extra reading/Key words: Fashion Organization, Terms of fashion

Note: Texts given in the Extra reading/Key words must be tested only through Assignments and Seminars.

Course Outcomes (CO):

The learner will be able to

CO No.	Course Outcomes	PSOs Addressed	Cognitive Level
CO-1	Describe the fashion concepts with references to the terminology	PSO-1	R
CO-2	Express the social and psychological reason for fashion changes, fashion cycle and forecasting	PSO-2,3	E

CO-3	Analyze about the design of the human body proportions	PSO-3,4	An
CO-4	Elaborate about the color, color harmony, color wheel and its properties	PSO-2,3	U,AP
CO-5	Understand fashion business trend and identify the career opportunities in fashion industry	PSO-5,6	AP,C

PO- Programme Outcomes; CO- Course Outcome; R- Remember; U- Understand; Ap- Apply; An- Analyse; E- Evaluate; C- Create

TEXT BOOKS:

1. Jung Soo Lee and Charlotte Jirousek, April 2015, The Development of design ideas in the early apparel design process. “International Journal of Fashion Design, Technology and Education.”
2. Aspelund. K (2010). The design process. New York, NY: Fairchild Books.

BOOKS FOR REFERENCE:

1. Bye. E (2010). A direction for clothing and textile design research. Clothing and textiles Research journal 28(3), 205-217.

(For candidates admitted from 2019 onwards)

HOLY CROSS COLLEGE (AUTONOMOUS) TIRUCHIRAPALLI-2
DEPARTMENT OF FASHION AND COSTUME DESIGNING
CHOICE BASED CREDIT SYSTEM
B.SC., FASHION AND COSTUME DESIGNING
First Year- Semester-I

COURSE TITLE	ALLIED -2 – FASHION ILLUSTRATION AND DRAPING
TOTAL HOURS	90
HOURS/WEEK	6 HRS /WK
CODE	U19FC1ACP02
COURSE TYPE	PRACTICAL
CREDITS	4
MARKS	100

General Objective:

The practical aims at making the students practice different techniques in Fashion Illustration and draping styles.

Course Objectives (CO):

After completion the student will be able to

CO No.	Course Objectives
CO-1	To know about the Fashion Illustration and its different techniques
CO-2	Understand about the human figure proportions using different Head theories.
CO-3	Apply the head theories on illustration by sketching basic croquies.
CO-4	Understand and apply different draping styles on dress forms.
CO-5	Understand about the different techniques of draping.

I. Basic Sketching

30 hrs

1. Pencil grading and smudging techniques.
2. Human figures in proportion using 8-head theory
3. Drawing eyes, nose, ears, lips, face, and hair styles
4. Sketching of different angles of foot and palm
5. Learning the useage of various drawing and sketching mediums-pencil, ink, charcoal, crayons, water colour and poster colours.

II. Sketching on Basic Croquis

30 hrs

1. Sketching fullness, hemlines and waist bands
2. Sketching of seams and shirring
3. Necklines, collars, sleeves and cuffs
4. Children's wear
5. Women's wear
6. Men's wear
7. Accessories

III. Draping:

30 hrs

The practical aims at making the students practice the techniques in Draping.

1. Introduction to Draping and Dress Forms.
2. Draping Basic Front and Back
3. Draping Basic Skirt
4. Draping yokes, Shirt, Midriff Yoke
5. Draping Collars (any 3)
6. Drape Own Style of Garment with Variations

Course Outcomes (CO):

The learner will be able to

CO No.	Course Outcomes	PSOs Addressed	Cognitive Level
CO-1	Understand the fashion illustration by means of doing basic sketching.	PSO-1	U
CO-2	Learn and Apply different sketching mediums in fashion illustration	PSO-2,3	U,AP
CO-3	Analyze about the design of the human body proportions using head theories	PSO-3,4	An
CO-4	Elaborate about the different draping techniques using dress forms	PSO-2,3	U,AP

CO-5	Understand, create and apply different draping styles on dress forms	PSO-1,2,4	U,C,AP
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PO- Programme Outcomes; CO- Course Outcome; R- Remember; U- Understand; Ap- Apply; An- Analyse; E- Evaluate; C- Create

A Record of the Work done is to be submitted at the time of examination.

BOOKS FOR REFERENCE:

1. Anna Kiper Published-2001 Fashion Illustration (Inspiration and Technique)
2. Karolyn kiisel, Draping (The Complete Course) Flexibound-1 July 2013
3. Ritu Beri, Fashion Illustration and Rendering (2005), B. Jain Publishers (P) Ltd., New Delhi.
4. Bina Abling (2001), Fashion Rendering with Colours, Prentice Hall, New Jersey.
5. Patrick John Ireland (2005), Fashion Design Illustration. Men, Om Books International, New Delhi.
6. Alfred D. Dorkenzio (2001), Fashion Sketching; Drawing the Fashion Figure, Thomas Learning Custom Publishing.

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DEPARTMENT OF FASHION AND COSTUME DESIGNING
CHOICE BASED CREDIT SYSTEM
B.SC., FASHION AND COSTUME DESIGNING
First Year- Semester-II

COURSE TITLE	MAJOR CORE –2- WET PROCESSING
TOTAL HOURS	60
HOURS/WEEK	4 HRS /WK
CODE	U19FC2MCT02
COURSE TYPE	THEORY
CREDITS	3
MARKS	100

General Objective:

The students will learn about the different Pretreatments, Dyeing and Printing process, they will also learn about different finishing process to fabrics.

Course Objectives (CO):

After completion the student will be able to

CO No.	Course Objectives
CO-1	To know the concept of textile processing in cotton, silk, wool and synthetic materials
CO-2	Explain about the preparatory process
CO-3	Examine different kinds of dyeing process and its classification
CO-4	Analyze various kinds of printing and its procedures
CO-5	To study about the various textile finishers used for different textile materials

Unit I: Textile Processing**12 Hrs**

Definition, need for Processing, Dry and Wet Processing as related to the common fabrics: Cotton, Silk, Wool, and Synthetics.

Extra reading/Key words: Textile Processing, Fabric Preparatory Processing.

Unit II: Preparatory Process**12 Hrs**

Meaning, Need for Preparatory Processes. Types – singeing, scouring, bleaching, mercerizing, desizing.

Extra reading/Key words: Processing of Textile Fabrics, Processing of Wool

Unit III: Dyeing**12 Hrs**

Classification of dyes and stages of dyeing, characteristics of dye, direct, vat, sulphur, reactive, naphthol, acid, basic and disperse dyes – Methods of dyeing cotton, silk, wool, and synthesis of reactive dyes, dyeing of fibre blends.

Extra reading/Key words: Types of Dyes, Dyeing Techniques.

Unit IV: Printing and Printing Procedures**12 Hrs**

Definition Types, Direct style block, stencil, screen, roller printing, duplex printing, rotary, transfer printing, discharge style, resist style – batik, tie and dye, minor printing methods – flocking, marbelling, photo printing, warp printing and air brush printing.

Extra reading/Key words: Varieties of Dyeing and Dyeing Techniques.

Unit V: Textile Finishers**12 Hrs**

Calendering, stentering, stiffening, decanting, beetling, glazing, schreinerizing, embossing, moiering, ciering, raising, napping, gigging, shearing, water proofing, water repellency, sanforizing, wash and wear, fire proofing, crepe and crinkle effect.

Extra reading/Key words: Textile Finishing and types of textile finishers.

Note: Texts given in the Extra reading/Key words must be tested only through Assignments and Seminars.

Course Outcomes (CO):

The learner will be able to

CO No.	Course Outcomes	PSOs Addressed	Cognitive Level
CO-1	Understand about the textile process	PSO-1	R, U
CO-2	Identify the preparatory process of the textile material	PSO-1,2	S
CO-3	Demonstrate various kinds of dyeing techniques	PSO-3	AP

CO-4	Posses skills in different methods of printing and their techniques	PSO-1,3	U, AP
CO-5	Apply different kinds of finishers to the various textile materials	PSO-3	C

PO- Programme Outcomes; CO- Course Outcome; R- Remember; U- Understand; Ap- Apply; An- Analyse; E- Evaluate; C- Create

TEXT BOOKS:

1. Manivasakam.N. Treatment of Textile Processing Effluents, sakthi publications, Coimbatore, 1995.
2. C.W. Pellow (2000) Dyes and Dyeing, Abhishek publication.

BOOKS FOR REFERENCE:

1. Carbman B.P (2000) fiber to fabric, International Students Edition MC Graw Hill Book Co., Singapore.
2. Clarke, W. (2004) An Introduction to Textile Printing, Wood Head Publishing Limited.
3. J.L. Smith, (2000) Textile Processing, Abhisekh Publications, Chandigarh.

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CHOICE BASED CREDIT SYSTEM
B.SC., FASHION AND COSTUME DESIGNING
First Year- Semester-II

COURSE TITLE	MAJOR CORE -3-SEWING TECHNIQUES AND WET PROCESSING
TOTAL HOURS	90
HOURS/WEEK	6 HRS/ WK
CODE	U19FC2MCP03
COURSE TYPE	PRACTICAL
CREDITS	5
MARKS	100

General Objective:

The Practical aims at developing different samples for sewing techniques and wet processing.

Course Objectives (CO):

After completion the student will be able to

CO No.	Course Objectives
CO-1	To know about the different methods to take body Measurements.
CO-2	Understand and preparation of the different sewing technique samples.
CO-3	To know about the different Wet processing techniques.
CO-4	Understand about the different pretreatments, dyeing and printing techniques.
CO-5	Application of different dyeing and printing techniques on fabrics.

1. Demonstration of taking body measurements. **20 hrs**
2. Preparing samples for **25 hrs**
 - Seams
 - Seam Finishers
 - Darts and Tucks
 - Flare, Frills, Ruffles and Godets
 - Pleats and Gatherings
 - Skirts
 - Bias Facing and Binding
 - Yokes
 - Plackets
 - Pockets
 - Trimmings

Wet Processing: **45 hrs**

The practical aims at making the students practice the techniques in wet processing

- Pretreatment – Scouring, Desizing, Mercerizing of Cotton.
- Dyeing of Cotton, Silk, Wool and Synthetic textiles using – Direct, Vat, Sulphur, Reactive, Acid, Basic and Disperse dyes.
- Printing of cotton using block and screen printing (2 samples each)
- Printing of tie and dye (single, double, multi color).
- Batik Printing (3 Methods) single, double, multi color.
- Stencil Printing
- Spraying method

Course Outcomes (CO):

The learner will be able to

CO No.	Course Outcomes	PSOs Addressed	Cognitive Level
CO-1	Understand about the methods of taking body measurements.	PSO-1	R, U
CO-2	Understand the preparatory process of the textile material	PSO-1,2	U
CO-3	Create and apply various kinds of sewing techniques samples.	PSO-2,3	C,AP
CO-4	Understand and apply different methods of dyeing in fabrics	PSO-1,3	U, AP
CO-5	Apply different kinds of printing techniques in various textile materials	PSO-2,3	C,AP

PO- Programme Outcomes; CO- Course Outcome; R- Remember; U- Understand; Ap- Apply; An- Analyse; E- Evaluate; C- Create

A Record of the Work done is to be submitted at the time of examination.

TEXT BOOKS:

1. Mary Mathews, Practical Clothing Construction Part-II. Designing, Draft and Tailoring Bhattarams Reprographics (P) Ltd., Chennai, 2001.
2. Chris Jefferys (2004), 101 Essential Tips- Basic Sewing, D.K. Publishing.
3. Betsy hosegood, (2006). The Complete Book of Sewing, Dorling Kindersley Limited, London.
4. The theory of Fashion Design, Brockman, Magritha, John Wiley Sons, New York.

BOOKS FOR REFERENCE:

1. Besty Hosegood (2006), The Complete Book of Sewing, Dorling Kindersley Ltd., London.
2. Carbman B.P (2000) Fiber to Fabric, International Students Edition MC Graw Hill Book Co., Singapore.
3. Shenai, V.A., Technology of Textiles Processing, Chemistry of Dyes and Principles of Dyeing, A Sevak Publications, Bombay, 2002
4. Gulrajani,M.L., Deepti Gupta, Natural Dyes and their Applications to Textile Indian Institute of Technology, New Delhi, 1992.
5. C.W. Pellow (2000) Dyes and Dyeing, Abhishek Publication.
6. Harold Carr and Barbara Latham (2010). The Technology of Clothing Manufacturing, Om Book Service, New Delhi.

(For candidates admitted from 2019 onwards)
HOLY CROSS COLLEGE (AUTONOMOUS) TIRUCHIRAPALLI-2
DEPARTMENT OF FASHION AND COSTUME DESIGNING
CHOICE BASED CREDIT SYSTEM
B.SC., FASHION AND COSTUME DESIGNING
First Year- Semester-II

COURSE TITLE	ALLIED-3-HISTORICAL COSTUME
TOTAL HOURS	60
HOURS/WEEK	4 HRS /WK
CODE	U19FC2ACT03
COURSE TYPE	THEORY
CREDITS	3
MARKS	100

General Objective:

The students will learn about Origin of costumes and details about traditional woven, printed and embroidered textiles of India.

Course Objectives (CO):

After completion the student will be able to

CO No.	Course Objectives
CO-1	Analyze the development of costumes from ancient to modern period
CO-2	To know about the traditional woven textiles in India
CO-3	To familiarize about the various kinds of printed and dyed textiles
CO-4	To identify about the Indian embroideries
CO-5	To know about the costumes of India

Unit I: Origin of Costumes**12 Hrs**

Theories of clothing origin, Invention of needle, Development of sewing, Development of garment styles and Role of costumes. History of Indian Garments from ancient to modern times.

Extra reading/Key words: History of Costume, History of Sewing.

Unit II: Traditional Woven Textiles**12 Hrs**

Dacca muslin, Jamdani, Chanderi, Baluchar Buttedar, Brocades- Kam Kawab, Paithani, Peethamber, Kancheepuram brocade, Banaras brocade, Himrus and Amrus, Kashmiri shawl.

Extra reading/Key words: Traditional textile of India, History of Traditional Costume.

Unit III: Traditional printed and dyed Textiles**12 Hrs**

Printed Textiles: Kalamkari. Block printing, Roghan printing and other printed and painted textiles (Mata – mi- pachedi, Pabuji-ka-pad) Dyed Textiles: Ikat, Patola, Bandhani, Laharia, Mashru

Extra reading/Key words: Traditional Printed Textiles and Dyed Textiles.

Unit IV: Embroideries of India**12 Hrs**

Kantha of Bengal, Gujarat embroidery, Kasuti of Karnataka, Chamba roomal of Himachal, Pulkari of Punjab, Chikankari of Uttar Pradesh.

Extra reading/Keywords: Indian embroideries and Handworks

Unit V: Costumes of India**12 Hrs**

Introduction to Traditional Indian dress, Costumes of West Bengal, Assam, Bihar, Uttar Pradesh, Rajasthan, Gujarat, Maharashtra, Punjab, Kashmir, Himachal Pradesh & South India. An introduction to Traditional ornaments of India.

Extra reading/Key words: Indian Traditional Costumes, Traditional Indian Ornaments.

Note: Texts given in the Extra reading/Key words must be tested only through Assignments and Seminars.

Course Outcomes (CO):

The learner will be able to

CO No.	Course Outcomes	PSOs Addressed	Cognitive Level
CO-1	Understand the usage of ancient techniques	PSO-1	R, U, AP
CO-2	Learn about different kinds of woven textile material	PSO-1,2	An
CO-3	Able to known about printing and dyeing techniques	PSO-2,3	R,E

CO-4	Identify different states of embroideries of India	PSO-2	R,E
CO-5	Identify different states of traditional costume of India	PSO-2,3	U

PO- Programme Outcomes; CO- Course Outcome; R- Remember; U- Understand; Ap- Apply; An- Analyse; E- Evaluate; C- Create

TEXT BOOKS:

1. James Laver, Costume and Fashion and Concise History Published by Thames & Hudson, London, 2002.
2. Dr. Parul Bhatnagar Traditional Indian and Textiles. Published by Abhisek Publications, Chandigarh, 2004.

BOOKS FOR REFERENCE:

1. Jasleen Dhamija and Jyotindra Jain Hand wove Fabrics of India – Mapin Publishing Pvt.Ltd. Ahmedabad, 2002.
2. Manmeet Sodhia , History of Fashion, Kalyani Publishers, New Delhi, .2000.
3. Premalatha Mullick, Textile Designing, Kalyani Publishers, New Delhi, 2007.

(For candidates admitted from 2019 onwards)
HOLY CROSS COLLEGE (AUTONOMOUS) TIRUCHIRAPALLI-2
DEPARTMENT OF FASHION AND COSTUME DESIGNING
CHOICE BASED CREDIT SYSTEM
B.SC., FASHION AND COSTUME DESIGNING
First Year- Semester-II

COURSE TITLE	IC-1-INDUSTRY MANAGEMENT AND ENTREPRENEURSHIP
TOTAL HOURS	15
HOURS/WEEK	1
CODE	U19FC2ICT01
COURSE TYPE	THEORY
CREDITS	1
MARKS	100

General objective:

To enable the students to learn about the basic operations and management in Textile and Fashion Industry.

Course Objectives (CO):

After completion the student will be able to

CO No.	Course Objectives
CO-1	Understanding the Preparation process of various Fibers.
CO-2	Analyse about the Basic Illustration Techniques.
CO - 3	Evaluate the Basic Dyeing Operation in Textile Industry
CO-4	Analyse about the Apparel Management System.
CO-5	Analyse About Boutique Management System

UNIT-I: **3 Hrs**

Preparation process of Fibers-Cotton, Silk and Wool

Extra reading/Key words: Preparatory process of Textile fibers, Natural Fibers.

UNIT-II **3 Hrs**

Basic Illustration Techniques-8 and 10 Head Theory.

Extra reading/Key words: Basic Shading and Illustration Techniques

UNIT-III **3 Hrs**

Basic Dyeing Operation in Textile Industry.

Extra reading/Key words: Coloring of Textile Fibers.

UNIT-IV **3 Hrs**

Apparel management system in Production Unit.

Extra reading/Key words: Apparel Production system

UNIT-V **3 Hrs**

Boutique Management System.

Extra reading/Key words: Boutique and its Features.

Course outcomes (CO):

The learner will be able to

Co no.	Course outcomes	PSOs addressed	Cognitive level
Co-1	Understand about the preparatory process of various fibres	PSO2	U
Co-2	Learn about basic illustration techniques	PSO2	U
Co-3	Learn about basic dyeing operation in textile industry	PSO2	U
Co-4	Analyze about the apparel management system	PSO4	An
Co-5	Understand about the boutique management system	PSO2	U

Po- Programme Outcomes; Co- Course Outcome; R- Remember; U- Understand; Ap- Apply; An- Analyse; E- Evaluate; C- Create

(For candidates admitted from 2019 onwards)

HOLY CROSS COLLEGE (AUTONOMOUS) TIRUCHIRAPALLI-2
DEPARTMENT OF FASHION AND COSTUME DESIGNING
CHOICE BASED CREDIT SYSTEM
B.SC., FASHION AND COSTUME DESIGNING
Second Year- Semester-III

COURSE TITLE	MAJOR CORE- 4-TEXTILE TESTING
TOTAL HOURS	60
HOURS/WEEK	4
CODE	U19FC3MCT04
COURSE TYPE	THEORY
CREDITS	4
MARKS	100

General objective:

To enable the students to learn about the testing of textiles

Course Objective (CO):

After the completion the students will be able to

CO No.	Course Objectives
CO-1	To know about the basics of testing
CO-2	To learn the fibre testing method
CO-3	To understand the different methods of yarn testing
CO-4	To learn the different methods of Fabric testing
CO-5	To learn the different methods of Color Fastness

UNIT-I: INTRODUCTION TO TEXTILE TESTING**12hrs**

Importance of testing, objectives of testing, general rules for textile testing and quality control. Different types of Physical test and their needs. Moisture and its relations to textile materials. Moisture content, moisture regain and relative humidity

Extra reading/Key words: Identification of fibers- Asbestos, glass fiber

UNIT-II: FIBER TESTING**12 hrs**

Methods of fiber sampling for testing, Cotton staple length and grade, Cotton fiber length analysis, Cotton fiber fineness and maturity, non – lint content, moisture content.

Extra reading/Key words: Fiber bundle tenacity, fibre bundle breaking elongation

UNIT-III: YARN TESTING**12 hrs**

Yarn numbering, Yarn Strength, Analysis of Strength, Yarn grade and appearance, Yarn twists testing, Crimp and hairiness. Yarn evenness.

Extra reading/Key words: Measuring principle (USTER AFIS PRO2)

UNIT-IV: FABRIC ANALYSIS**12hrs**

Fabric width, Fabric length, Fabric weight, Fabric thickness, Fabric Strength – Tearing Strength, Bursting Strength and Abrasion Resistance, Crease Recovery, Stiffness and Drapability Test, Pilling Test.

Extra reading/Key words: Strain- gauge principle, Effect of extension rate

UNIT-V: COLOUR FASTNESS TEST**12hrs**

Color Fastness to Sunlight, Wet and Dry Crocking, Wet and Dry Pressing, Perspiration – Acidic, Alkaline, Laundering and Dry Cleaning, Fastness Grading using Gray Scale, Computer Color Matching, Whiteness Index and Color Matching Cabinet.

Extra reading/Key words: Color fastness to chlorine water, color fastness to sea water

Note: Texts given in the Extra reading/Key words must be tested only through Assignments and Seminars.

Course Outcomes (CO):

The learner will be able to

CO No.	Course Outcomes	PSOs Addressed	Cognitive Level
CO-1	Understanding the testing methods of Testing	PSO2	U
CO-2	Analyse the different methods of fibre testing	PSO4	An
CO-3	Evaluate the different methods of Yarn testing	PSO5	E

CO-4	Analyse the different methods of Fabric Testing	PSO4	An
CO-5	Evaluate the color fastness method	PSO5	E

Po- Programme Outcomes; Co- Course Outcome; R- Remember; U- Understand; Ap- Apply; An- Analyse; E- Evaluate; C- Create

TEXT BOOKS:

1. Booth J.E., Principles of Textile Testing, CBS Publishers and Distributors, New Delhi, 1996.
2. Saville B.P., Physical testing and textile, wood head publishing Ltd, England, 1999.

BOOKS FOR REFERENCE:

1. Groover, E and B Hamby.D.S., Textile Testing and Quality Control, John Wiley and Sons inc, New York, 1960

(For candidates admitted from 2019 onwards)
HOLY CROSS COLLEGE (AUTONOMOUS) TIRUCHIRAPALLI-2
DEPARTMENT OF FASHION AND COSTUME DESIGNING
CHOICE BASED CREDIT SYSTEM
B.SC., FASHION AND COSTUME DESIGNING
Second Year- Semester-III

COURSE TITLE	MAJOR CORE 5 – HOME TEXTILES AND CHILDREN’S GARMENT
TOTAL HOURS	90
HOURS/WEEK	6
CODE	U19FC3MCP05
COURSE TYPE	PRACTICAL
CREDITS	4
MARKS	100

General objective:

To enable the students to learn the practical knowledge about Home Textiles and Children’s Wear.

Course Objective (CO):

After completion the student will be able to

CO No.	Course Objectives
CO-1	To practice about the basic Home textiles
CO-2	To create and implement a motif using in children’s wear
CO-3	To enable the hands-on practice about the advanced stitches in surface embellishment

I. Create a design, draft a pattern and construct the following sample's using a suitable theme, fabric and embellishment.

A. Living room

15 hrs

1. Wall Hanging.
2. Sofa covers.

3. curtain-(Any one type).

B. Study room: **15 hrs**

1. Cushion.

2. Cushion cover.

3. Floor Mat.

C. Bedroom: **15 hrs**

1. Pillow.

2. Bed sheet.

3. Bedspread.

D. Kitchen Room: **15 hrs**

1. Apron.

2. Gloves.

3. Kitchen Towel.

E. Dining Room **15 hrs**

1. Table mat.

2. Table Runner.

3. Tea cozy.

II. Create a design, draft a pattern and construct the following children's garment using a suitable fabric and embellishment. **15 Hrs**

1. Jabla.

2. Panty.

3. Bib.

4. Romper.

5. Frock.

6. Boy's Shirt and Short.

7. Girl's Top and Full Skirt

Course Outcomes (CO):

The learner will be able to

CO No.	Course Outcomes	PSOs Addressed	Cognitive Level
CO-1	Implementation of motifs using basic Home textiles and Children's Wear.	PSO1	R, U
CO-2	Creation of decorative embroidery designs.	PSO6	S
CO-3	Experimental application of advanced embroidery stitches using various motifs.	PSO4	An

Po- Programme Outcomes; Co- Course Outcome; R- Remember; U- Understand; Ap- Apply; An- Analyse; E- Evaluate; C- Create

A Record of the Work done is to be submitted at the time of examination.

(For candidates admitted from 2019 onwards)
HOLY CROSS COLLEGE (AUTONOMOUS) TIRUCHIRAPALLI-2
DEPARTMENT OF FASHION AND COSTUME DESIGNING
CHOICE BASED CREDIT SYSTEM
B.SC., FASHION AND COSTUME DESIGNING
Second Year- Semester-III

COURSE TITLE	ALLIED -4- PATTERN MAKING AND GRADING
TOTAL HOURS	60
HOURS/WEEK	4
CODE	U19FC3ACT04
COURSE TYPE	THEORY
CREDITS	4
MARKS	100

General objective:

To enable the students to learn about the basic embroidery stitches and its variations.

Course Outcomes (CO) :

After completion the student will be able to

CO No.	Course Objectives
CO-1	To practice about the basic pattern making
CO-2	To create and implement different layouts
CO-3	To enable cutting methods

Unit I: Fabric preparation & layout planning:

12 Hrs

Fabric preparation: Preparing the fabric for cutting, Importance of grain in fabric cutting and garment construction. Methods of straightening, fabric grains. Lay planning Introduction, Rule to remember in pattern layout. Types of layout. Transferring pattern markings stay stitching, ease stitching.

Extra reading/Key words: Industry Production Pattern for men's

Unit II: Drafting and Draping:**12 Hrs**

Drafting: Preparation of paper patterns. Advantages of paper patterns. Principles for pattern drafting, methods of paper making. Draping: Definition, types of dress form, preparation of adhesive paper dress form, Draping technique. Draping basic blocks (bodice, sleeve & skirts).

Extra reading/Key words: Draping for children's and women's wear

Unit III: Flat pattern Techniques:**12 Hrs**

Definition, Pivot method, Slash & spread method, measurement method. Creating styles through dart manipulation and relocation of dart.

Extra reading/Key words: Pattern techniques using tools

Unit IV: Commercial pattern and pattern grading**12 Hrs**

Commercial pattern: Definition, merits and demerits, Development of commercial pattern. Pattern Grading: Definition, Grading terminology, selecting a grading system, grading techniques, their advantages and disadvantages. Computer grading. Grading procedures, Grading of basic block using draft grading systems.

Extra reading/Key words: Track shift system and Draft grade system

Unit V: Pattern alteration, Garment fitting and assembling.**12 Hrs**

Pattern alteration: Methods of identifying pattern alteration. General principles for pattern alteration. Common pattern alteration in a fitted bodice pattern. Garment fitting and Assembling: Standards for a good fit, checking for good fit, solving fitting problems and remedies.

Extra reading/Key words: Pattern company names - vogue, wiksten and burda

Note: Texts given in the Extra reading/Key words must be tested only through Assignments and Seminars.

Course Outcomes (CO):

The learner will be able to

CO No.	Course Outcomes	PSOs Addressed	Cognitive Level
CO-1	Implementation of different cutting methods	PSO 1,2	R, U
CO-2	Creation of decorative patterns	PSO 3	S
CO-3	Experimental application of advanced embroidery stitches using various motifs.	PSO 4	AP

Po- Programme Outcomes; Co- Course Outcome; R- Remember; U- Understand; Ap- Apply; An- Analyse; E- Evaluate; C- Create

TEXT BOOKS:

1. Connie Amaden-Crawford (2004). The Art of Fashion Draping 3rd edition, Bloomsbury Academic.
2. Hilary Campbell, Designing Patterns, Om Book services, New Delhi, 2003.

BOOKS FOR REFERENCE:

1. Helen Joseph-Pattern Making for Fashion Design, Armstrong Pearson Education, Delhi, 2000.
2. Sandra Betzina, Fast Fit, the Taunton press, Inc New York London, 2003.
3. Maggie Mc Cormick Gordon (2002) The ultimate sewing book, Collins and Brown Ltd., London.

(For candidates admitted from 2019 onwards)
HOLY CROSS COLLEGE (AUTONOMOUS) TIRUCHIRAPALLI-2
DEPARTMENT OF FASHION AND COSTUME DESIGNING
CHOICE BASED CREDIT SYSTEM
B.SC., FASHION AND COSTUME DESIGNING
Second Year- Semester-III

COURSE TITLE	SKILL BASED ELECTIVE III-SURFACE EMBELLISHMENT
TOTAL HOURS	30
HOURS/WEEK	2
CODE	U19FC3SBP03
COURSE TYPE	PRACTICAL
CREDITS	2
MARKS	100

General objective:

To enable the students to learn about the basic embroidery stitches and its variations.

Course Objective (CO):

After completion the student will be able to

CO No.	Course Objectives
CO-1	To practice about the basic embellishment stitches.
CO-2	To create and implement a motif using decorative embroidery stitches.
CO-3	To enable the hands-on practice about the advanced stitches in surface embellishment

Create a Motif or a design and implement the embellishment by using the following stitches:

I. Basic stitches:

10 Hrs

- a) Running stitch.
- b) Hem stitch.

- c) Back stitch.
- d) Split stitch.
- e) Chain stitch.

II. Decorative stitches:

10 Hrs

- a) French knot.
- b) Bullion knot.
- c) Lazy daisy.
- d) Stem stitch.
- e) Herringbone stitch.

III. Advanced Stitches:

10 Hrs

- a) Satin stitch.
- b) Feather stitch.
- c) Blanket stitch.
- d) Woven wheel stitch.
- e) Couching stitch.

Course Outcomes (CO):

The learner will be able to

CO No.	Course Outcomes	PSOs Addressed	Cognitive Level
CO-1	Implementation of motifs using basic embroidery stitches.	PSO-3,4	R, U
CO-2	Creation of decorative embroidery designs.	PSO-3	R
CO-3	Experimental application of advanced embroidery stitches using various motifs.	PSO-5	AP

Po- Programme Outcomes; Co- Course Outcome; R- Remember; U- Understand; Ap- Apply; An- Analyse; E- Evaluate; C- Create

A Record of the Work done is to be submitted at the time of examination.

(For candidates admitted from 2019 onwards)
HOLY CROSS COLLEGE (AUTONOMOUS) TIRUCHIRAPALLI-2
DEPARTMENT OF FASHION AND COSTUME DESIGNING
CHOICE BASED CREDIT SYSTEM
B.SC., FASHION AND COSTUME DESIGNING
Second Year- Semester- IV

COURSE TITLE	MAJOR CORE – 6 - FABRIC STRUCTURE AND DESIGN
TOTAL HOURS	75
HOURS/WEEK	5
CODE	U19FC4MCT06
COURSE TYPE	THEORY
CREDITS	3
MARKS	100

General objective:

To enable the students towards the knowledge from basic raw material to manufacturing process of textiles

Course objectives (co)

The learner will be able to

CO NO.	Course Objectives
CO-1	To identify and gain the knowledge about Basic woven designs
CO-2	To learn about the different types of novelty weaves
CO-3	To study about different weave structure of figured fabrics
CO-4	To acquire about weaving process and weaves of pile fabrics
CO-5	To learn about the double cloth and its classification

UNIT-I: BASIC WOVEN AND ITS MECHANISM

15 Hrs

Introduction and Classification of Woven structures. Design-Point paper design, Methods of weave Representation and weave repeat, basic elements of a woven design, Peg plan and its types. Basic Weaves – Plain, Twill, Satin.

Extra reading/Key words: Types of draft, Loom mechanism

UNIT- II: NOVELTY WEAVES**15 Hrs**

Novelty weaves-Pile weave, Double cloth weave, Gauze weave, Swivel Weave, Lappet weave, Honey Comb - ordinary, brighten, Huck a Back, Crepe and Mock Leno. End uses of the above weaves.

Extra reading/Key words: Jacquard weave, Dobby Weave

UNIT-III: FIGURED FABRICS**15 Hrs**

Extra warp and extra weft figuring – single and two colors, Difference between extra warp and extra weft figuring.

Extra reading/Key words: Uses of Extra warp and Extra weft fabrics.

UNIT-IV: PILE FABRICS**15 Hrs**

Pile Fabric- Classification of Pile Fabric – Weft File Fabric-Corded Velveteen, Warp Pile Fabric – Terry Pile.

Extra reading/Key words: Uses and comparison of warp and weft pile fabrics.

UNIT-V: DOUBLE CLOTH**15 Hrs**

Double cloth-Classification of double cloths.-principles of double cloth production - Stitching from Face to back, Back to Face and Combination. -Method of construction of simple - self stitched double cloths, centre stitched double cloths -wadded double cloths -applications of double cloths.

Extra reading/Key words: Advantage and disadvantage of Double cloth

Note: Texts given in the Extra reading/Key words must be tested only through Assignments and Seminars.

Course outcomes (CO):

The learner will be able to

Co no.	Course outcomes	PSOs addressed	Cognitive level
Co-1	Understand about basic woven design and its mechanism.	PSO2	U
Co-2	Learn about different weave structure of novelty weaves.	PSO2	U
Co-3	Learn different types of figured fabrics.	PSO2	U
Co-4	Analyze about the mechanism in pile fabric	PSO4	An

	production.		
Co-5	Understand about the different manufacturing process of double cloth.	PSO2	U

Po- Programme Outcomes; Co- Course Outcome; R- Remember; U- Understand; Ap- Apply; An- Analyse; E- Evaluate; C- Create

TEXT BOOKS:

1. M.G. Mahadevan, Textiles Spinning, Weaving and Designing, First Edition, Abhishek Publications Chandigarh, 2005.
2. W.S. Murphy, Textile Weaving and Design, First Indian Edition, Abhishek Publications, Chandigarh, 2007.

BOOKS FOR REFERENCE:

1. N.Gokarneshan, Fabric Structure and Design, , New Age International (P) Ltd, Publishers, New Delhi, 2006.

(For candidates admitted from 2019 onwards)
HOLY CROSS COLLEGE (AUTONOMOUS) TIRUCHIRAPALLI-2
DEPARTMENT OF FASHION AND COSTUME DESIGNING
CHOICE BASED CREDIT SYSTEM
B.SC., FASHION AND COSTUME DESIGNING
Second Year- Semester- IV

COURSE TITLE	MAJOR ELECTIVE-I-GARMENT MANUFACTURING TECHNOLOGY
TOTAL HOURS	60
HOURS/WEEK	4
CODE	U19FC4MET01
COURSE TYPE	THEORY
CREDITS	4
MARKS	100

General objective:

To enable the students towards the knowledge from basic raw material to manufacturing process of textiles

Course objectives (co):

The learner will be able to

CO NO.	Course Objectives
CO-1	To gain the knowledge about Garment manufacturing unit.
CO-2	To learn about the mechanism in spreading, Marking and cutting.
CO-3	To study about basic garment manufacturing machineries.
CO-4	To identify and gain knowledge about common defects in garment manufacturing techniques.
CO-5	To learn about fusing, Finishing and packaging of garments.

UNIT-I: GARMENT MANUFACTURING UNIT

12 Hrs

Garment Manufacturing Unit – Organization Structure, Workflow. Garment analysis and its classification - measurement and size charts. Designers role-process involved in designing a design sheet-evaluation of counter sample.

Extra reading/Key words: Study the opportunities in the garment business

UNIT-II: SPREADING, MARKING AND CUTTING METHODS**12 Hrs**

Spreading – Definition and its Function. Marking – Methods of marking, Efficiency and Requirements of Marker Planning .Cutting Technology-Fabric Receipt & Cutting process: fabric checking for quality – cutting process & its types – Ticketing & bundling-sewing process -Stitches and seams.

Extra reading/Key words: Cutting tools and equipments – Scissors, Dress maker’s and Pinking shear

UNIT-III: GARMENT MANUFACTURING MACHINERIES**12 Hrs**

Spreading machineries, cutting and Sewing Machineries-Classification of Sewing Machines, Parts and functions of single needle machine, over lock machine, Button Hole machine, Button fixing Machine, Blind stitching machine.

Extra reading/Key words: Feed of arm machine and Bar tacking machine

UNIT IV: COMMON DEFECTS AND ITS REMEDIES**12 Hrs**

Defects in spreading, Marking, cutting, stitching and sewing- causes & remedies. skip stitch, unbalanced, puckering, gathering, needle defects, Thread problems-quality of threads and its impact on sewing quality-sew ability and its influencing factors – needle cutting index.

Extra reading/Key words: Common problems and remedies of sewing machine

UNIT V: FUSING, FINISHING AND PACKAGING**12 Hrs**

Fusing and its requirements-interlinings-fusible resin types. Introduction to trims and accessories attachments -label, zips, fasteners-Sewing ticket numbering. Finishing Room Equipments-Form finishers, steam press, steam tunnel, Dolly press, and heat chamber, Packing and Dispatching.

Extra reading/Key words: Permanent press, Pleating

Note: Texts given in the Extra reading/Key words must be tested only through Assignments and Seminars.

Course outcomes (CO):

The learner will be able to

Co no.	Course outcomes	PSOs addressed	Cognitive level
Co-1	Understand about the production techniques in garment manufacturing industry.	PSO2	U
Co-2	Learn about spreading, marking and cutting mechanism in garment industry.	PSO2	U

Co-3	Learn different types of garment manufacturing machineries.	PSO2	U
Co-4	Analyze about common garment manufacturing defects and its remedies.	PSO4	An
Co-5	Understand about the different methods in fusing, Finishing and packaging of garments.	PSO2	U

Po- Programme Outcomes; Co- Course Outcome; R- Remember; U- Understand; Ap- Apply; An- Analyse; E- Evaluate; C- Create

TEXT BOOKS:

1. Apparel Manufacturing – Hand Book – Jacob Solinger.
2. Technology Of Clothing Manufacture – Herold Carr & B.Latham

BOOKS FOR REFERENCE:

1. Knitted Clothing Technology – T.Bracken Berry
2. Betsy Hose good , The Complete Book of Sewing, , Dorling Kindersley Limited, London, 2006

(For candidates admitted from 2019 onwards)
HOLY CROSS COLLEGE (AUTONOMOUS) TIRUCHIRAPALLI-2
DEPARTMENT OF FASHION AND COSTUME DESIGNING
CHOICE BASED CREDIT SYSTEM
B.SC., FASHION AND COSTUME DESIGNING
Second Year- Semester- IV

COURSE TITLE	ALLIED- 6-WOMEN'S WEAR
TOTAL HOURS	60
HOURS/WEEK	4
CODE	U19FC4ACP06
COURSE TYPE	PRACTICAL
CREDITS	3
MARKS	100

General objective:

To enable the students to learn the practical knowledge about Home Textiles and Children's Wear.

Course Objectives (CO):

After completion the student will be able to

CO No.	Course Objectives
CO-1	To create a design, draft and construct a basic in saree petticoat.
CO-2	To create and construct a decorative blouse.
CO-3	To enable the hands-on practice about construction of a skirt.
CO-4	To construct a suitable top for basic skirt.
CO-5	To Create a pattern and construct a salwar using suitable fabric.
CO-6	To draft a design and construct a kameez for a basic salwar.
CO-7	To design and construct a night pant along with the shirt using the pattern.

I. Design and construct the following Women's Garments

1. Saree Petticoat.
2. Blouse.
3. Skirt.
4. Skirt top.
5. Salwar.
6. Kameez.
7. Night pant and shirt

Course outcomes (CO):

The learner will be able to

CO No.	Course Outcomes	PSOs Addressed	Cognitive Level
CO-1	Enhance about the practice in construction of a saree petticoat.	PSO-3,4	R,U
CO-2	Creation and implementation of a pattern and garment for blouse.	PSO-6	A
CO-3	Implementation of a suitable design for skirt.	PSO-3,4	R,U
CO-4	Preparation of a pattern and garment of skirt top.	PSO-4,8	U,C
CO-5	Creation of a draft pattern for salwar.	PSO-8	C
CO-6	Implementation of garment design for kameez.	PSO-8	C
CO-7	Creation of a suitable pattern and a design for night pant and shirt.	PSO-4,8	U,C

Po- Programme Outcomes; Co- Course Outcome; R- Remember; U- Understand; Ap- Apply; An- Analyse; E- Evaluate; C- Create

A Record of the Work done is to be submitted at the time of examination.

(For candidates admitted from 2019 onwards)
HOLY CROSS COLLEGE (AUTONOMOUS) TIRUCHIRAPALLI-2
DEPARTMENT OF FASHION AND COSTUME DESIGNING
CHOICE BASED CREDIT SYSTEM
B.SC., FASHION AND COSTUME DESIGNING
Second Year- Semester- IV

COURSE TITLE	ALLIED-5-FASHION DESIGNING
TOTAL HOURS	75
HOURS/WEEK	5
CODE	U19FC4ACP05
COURSE TYPE	PRACTICAL
CREDITS	5
MARKS	100

General objective:

To enable the students to learn the practical knowledge about Home Textiles and Children's Wear

Course Objectives (CO) :

After completion the student will be able to

CO No.	Course Objectives
CO-1	To Prepare various charts of colors.
CO-2	To create the designs using elements of design.
CO-3	To Prepare various designs using principles of designs
CO-4	To Create the dress designs using color harmony
CO-5	To implement the designs using figure irregularities.

- A. PREPARE THE FOLLOWING CHARTS** **15 Hrs**
1. Prang Color Charts
 2. Value Chart
 3. Intensity Chart
- B. ELEMENTS OF DESIGN** **15 Hrs**
1. Line
 2. Colors
 3. Texture
 4. Shape
 5. Size
- C. ILLUSTRATE GARMENT DESIGNS FOR THE PRINCIPLES OF DESIGN** **15 Hrs**
1. Balance
 2. Harmony
 3. Emphasis
 4. Proportion
 5. Rhythm
- D. ILLUSTRATE THE COLOR HARMONY IN DRESS DESIGN** **15 Hrs**
1. Monochromatic Color Harmony
 2. Analogous Color Harmony
 3. Complimentary Color Harmony
 4. Double Complimentary Color Harmony
 5. Split Complimentary Color Harmony
 6. Triad Color Harmony
- E.ILLUSTRATE THE DRESS DESIGN USING FIGURE IRREGULARTIES** **15 Hrs**
1. Thin Figure
 2. Stout Figure
 3. Ideal Figure
 4. Broad Shoulders
 5. Narrow Shoulder

Course outcomes (CO):

The learner will be able to

CO No.	Course Outcomes	PSOs Addressed	Cognitive Level
CO-1	Enhance the practice about value and intensity charts.	PSO-3,4	R,U
CO-2	Creation and implementation of design using elements of design.	PSO-6	A
CO-3	Implementation of a suitable dress design using principles of design.	PSO-3,4	R,U
CO-4	Preparation of dress designs using color harmony.	PSO-4,8	U,C
CO-5	Creation and application of designs for figure irregularities.	PSO-8	C

Po- Programme Outcomes; Co- Course Outcome; R- Remember; U- Understand; Ap- Apply; An- Analyse; E- Evaluate; C- Create

A Record of the Work done is to be submitted at the time of examination.

(For candidates admitted from 2019 onwards)
HOLY CROSS COLLEGE (AUTONOMOUS) TIRUCHIRAPALLI-2
DEPARTMENT OF FASHION AND COSTUME DESIGNING
CHOICE BASED CREDIT SYSTEM
B.SC., FASHION AND COSTUME DESIGNING
Third Year - Semester- V

COURSE TITLE	MAJOR CORE- 7- APPAREL MERCHANDISING AND MARKETING
TOTAL HOURS	75
HOURS/WEEK	5
CODE	U19FC5MCT07
COURSE TYPE	THEORY
CREDITS	4
MARKS	100

General Objective:

The students will learn about the merchandizing and different marketing strategies and gain knowledge about garment costing.

Course Objectives (CO):

After completion the student will be able to

CO No	Course Objectives
Co – 1	To identify and gain knowledge about merchandising
Co -2	Analyze about the production methodology
Co – 3	To know about garment costing
Co – 4	To study about Apparel markets
Co – 5	To Familiarize about marketing strategies

Unit I : Merchandising

15 Hrs

Concepts of merchandising, concepts and apparel product lines, dimensions of product change, determination and development of product line and product range. Creative and technical design in garments and accessories, new product development and seasons of sale, costing, coordination and communication with the production house and export house.

Extra reading/Key words: Sampling process in apparel industry, sample and their importance

Unit II : Production Methodology**15 Hrs**

Production methodology - Assembly line, individual garment manufacturing, job work, quality checkpoints. Design & Tech-pack - Introduction & Definition. Labelling & Packing.

Extra reading/Key words: Analyse the process of polo T- shirt, Raglan T- shirt.

UNIT III : Garment Costing**15 Hrs**

Introduction to Garment costing, Components of cost of garment - specification sheet, Cost calculations of fabric in garment, Fabric, UOM, MOQ, Order quantity, trims.

Extra reading/Key words: Spreading cost, Cutting cost, assembly/bundling cost

UNIT IV : Marketing for Apparel**15 Hrs**

Defining marketing, marketing mix the objectives of marketing department, market research, different types of markets - monopoly and oligopoly markets.

Extra reading/Key words: Demographic market segmentation, geographic markets segmentation.

UNIT V: Marketing Strategies**15 Hrs**

Marketing strategies with respect to a product/brand, Indian apparel houses international marketing strategies and domestic marketing strategies, marketing models, B to B marketing, B to C marketing, direct marketing, digital marketing.

Extra reading/Key words: Social media in apparel marketing and various promotions

Note: Texts given in the Extra reading/Key words must be tested only through Assignments and Seminars.

Course Outcome (CO):

The learner will be able to

Co No	Course outcome	PSOs Addressed	Cognitive Level
Co - 1	To learn about concept of merchandising and new product development	PSO-5	R
Co - 2	Understand about the production methods involved in apparel industry	PSO-3,5	U
Co - 3	To evaluate the costing in apparel industry	PSO-5,6	U,E
Co - 4	To learn about different types of markets	PSO-4,5	U

Co – 5	Analyze about the marketing strategies	PSO-5,6	U, An
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PO- Programme Outcomes; CO- Course Outcome; R- Remember; U- Understand; Ap- Apply; An- Analyse; E- Evaluate; C- Create

TEXT BOOKS:

1. Elian stone, Jean A samples, Fashion Merchandising, McGraw Hill Book Company, New York, 1985.
2. Philip Kotler, Kevin Lane Keller, Abraham Koshy, and Mithileshwar Jha , Marketing Management A South Asian Perspective, Pearson Education, New Delhi, 2006.

BOOKS FOR REFERENCE:

1. Ruth E. Glock, Grace I. Kunz Apparel Manufacturing Sewn Product Analysis Fourth Edition, Pearson Prentice Hall, NJ, 2005.

(For candidates admitted from 2019 onwards)
HOLY CROSS COLLEGE (AUTONOMOUS) TIRUCHIRAPALLI-2
DEPARTMENT OF FASHION AND COSTUME DESIGNING
CHOICE BASED CREDIT SYSTEM
B.SC., FASHION AND COSTUME DESIGNING
Third Year - Semester- V

COURSE TITLE	MAJOR CORE- 8- TEXTILE FINISHING
TOTAL HOURS	75
HOURS/WEEK	5
CODE	U19FC5MCT08
COURSE TYPE	THEORY
CREDITS	4
MARKS	100

General Objective:

The students will learn about the introduction of textile finishing and gain knowledge about different types of finishes.

Course Objectives (CO):

After completion the student will be able to

Co.no	Course Objectives
Co – 1	To identify and gain knowledge about Finishing and its types.
Co -2	Analyze about the Mechanical finishing.
Co – 3	To know about the Functional finishing and its types
Co – 4	To study about Advanced functional finishing.
Co – 5	To Analyse and study about special finishing.

Unit - I – Introduction to finishing

15 Hrs

Finishing - Introduction – Objects of finishing, Importance of finishing, Classification of finishes, Advantages of finishing.

Extra reading/Key words: Purification and preliminary process of finishing.

Unit – II- Mechanical finishing**15 Hrs**

Mechanical Finishes - Beetling, Shearing, Calendaring, Tentering, Moiering, Embossing, Glazing, Napping, Chemical Weighting Of Silk, Sizing, Sanforizing, Schreiner, Wrinkle free finish.

Extra reading/Key words: Peaching, Decatising, sueding, heat setting.

Unit – III – Functional finishing**15 Hrs**

Functional Finish – Wash and wear finish, Water Proof finish, Water Repellent finish, Antimicrobial finish, Flame Retardant finish, Soil Release finish, Absorbency finish, Durable press finish.

Extra reading/Key words: Self cleaning, Fragrance finish, Bio-softening

Unit – IV- Advanced Functional Finishing**15 Hrs**

Advanced Functional Finish - Stiff finish - Process, Softening - Silicone finish, Denim finish, Stone Wash finish, Anti - Pilling finish, Anti Mildew finish.

Extra reading/Key words: Nano Coating, Plasma finish, Encapsulation.

Unit - V – Special Finishing**15 Hrs**

Special Finishes On Garments – Stone Wash effects – Mud wash, Ion wash, Chalk wash, Water resistant Breathable finish, Bio polishing, Leathery Finish, Protective Finishes – Deodorizing, Cool Finish and Thermostat finishes.

Extra reading/Key words: Flocking, Laminating, coating, Slop padding

Note: Texts given in the Extra reading/Key words must be tested only through Assignments and Seminars.

Course Outcome (CO):

The learner will be able to

Co No	Course outcome	PSOs Addressed	Cognitive Level
Co - 1	To learn about introduction to Finishing and its types	PSO-1	R
Co - 2	Understand about the Mechanical finishing	PSO-2	U
Co - 3	To learn about the functional finishing	PSO-1,2	R
Co – 4	To analyse and understand about advanced functional finishing.	PSO-3,4	U, An

Co – 5	Analyze about the special finishing	PSO-3,4	U, An
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PO- Programme Outcomes; CO- Course Outcome; R- Remember; U- Understand; Ap- Apply; An- Analyse; E- Evaluate; C- Create

TEXT BOOKS:

1. Shenai and Saraf. 1995. Technology of Textile Finishing. Sevak publications.
2. Nallangilli and Jayaprakasam. 2005. Textile Finishing. S.S.M Institute of Textile Technology.

BOOKS FOR REFERENCE:

1. Prayag. 1996. Technology of finishing. Shree J. Printers, Pune.

(For candidates admitted from 2019 onwards)
HOLY CROSS COLLEGE (AUTONOMOUS) TIRUCHIRAPALLI-2
DEPARTMENT OF FASHION AND COSTUME DESIGNING
CHOICE BASED CREDIT SYSTEM
B.SC., FASHION AND COSTUME DESIGNING
Third Year - Semester- V

COURSE TITLE	MAJOR CORE- 9 - KNITTING
TOTAL HOURS	75
HOURS/WEEK	5
CODE	U19FC5MCT09
COURSE TYPE	THEORY
CREDITS	4
MARKS	100

General Objective:

The students will gain knowledge regarding Knitting process of fabric formation and its types and care of knitted fabric.

Course Objectives (CO):

After completion the student will be able to

Co.no	Course Objectives
Co – 1	To identify and gain knowledge about knitting
Co -2	Analyze about the parts of knitting machine
Co – 3	To know about Weft knitting
Co – 4	To understand about the Warp knitting
Co – 5	To study about the maintenance of knitted material

UNIT I: Knitting

15 Hrs

Knitting – Definition, classification and history, types of knitting- hand and machine, characteristics of knitted goods.

Extra reading/Key words: Knit stitch and its formation, Comparison of weaving and knitting

UNIT II: Knitting Technology**15 Hrs**

General terms and principles of knitting technology, machine knitting , parts of machine, knitted loop structure, stitch density. Knitting Needles beard needles Latch needles compound needles.

Extra reading/Key words: properties of knitting, Industrialization of knitted fabrics.

UNIT III: Weft Knitting**15 Hrs**

Weft knitting –classification-circular rib knitting machine, purl, interlock, jacquard-single jersey machine-basic knitting elements-types and functions –knitting cycle,CAM-system-3 way technique to develop design-knit, tuck, miss-effect of stitches on fabric properties. Needle selection for weft knit design. Weft knitted fabric defects causes and remedies.

Extra reading/Key words: Fully fashioned knitting machine and Hosiery knitting

UNIT IV: Warp knitting**15 Hrs**

Warp knitting-lapping variations-tricot, raschel, simplex and Milanese - kitten raschel-single bar, 2 bar, multi bar machines. types of threading, production of nets, curtains, heavy fabrics, elasticized fabrics.

Extra reading/Key words: Advantage of warp knitting, Comparison of warp and weft knitting.

UNIT V: Care and Maintenance**15 Hrs**

Care and maintenance of, knitted material-washing, drying ironing, storing.

Extra reading/Key words: Stain removals, laundering.

Note: Texts given in the Extra reading /Key words must be tested only through Assignments and Seminars.

Course Outcome (CO):

The learner will be able to

Co No	Course outcome	PSOs Addressed	Cognitive Level
Co – 1	To learn about the knowledge of knitting	PSO-1	R
Co – 2	Understand about the knitting machine and its parts	PSO-2,3	U,R
Co – 3	To study about the weft knitting structures	PSO-3	U,E
Co – 4	To learn about the warp knitting	PSO-3	U

Co – 5	Analyze the care and maintenance of knitted fabrics.	PSO-3,4	U, An
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**PO- Programme Outcomes; CO- Course Outcome; R- Remember; U- Understand;
Ap-Apply; An- Analyse; E- Evaluate; C- Create**

TEXT BOOKS:

1. Knitting technology, David spencer, Wood header publisher , New delhi
2. Principles of knitting, D B Ajonker, Universal publishing corporation.(1998).

BOOKS FOR REFERENCE:

1. Warp knit elements, Wilkens C U, Wilkens (1997).

(For candidates admitted from 2019 onwards)
HOLY CROSS COLLEGE (AUTONOMOUS) TIRUCHIRAPALLI-2
DEPARTMENT OF FASHION AND COSTUME DESIGNING
CHOICE BASED CREDIT SYSTEM
B.SC., FASHION AND COSTUME DESIGNING
Third Year - Semester- V

COURSE TITLE	MAJOR CORE 10 PRACTICAL - MEN'S WEAR
TOTAL HOURS	75
HOURS/WEEK	5
CODE	U19FC5MCP10
COURSE TYPE	PRACTICAL
CREDITS	4
MARKS	100

General Objective:

The practical aims to make the students to Draft and stitch the Men's Wear

Course Objectives (CO) :

After completion the student will be able to

CO No	Course Objectives
Co – 1	To Create designs for mens wear
Co - 2	To Standardise measurements based on designs.
Co - 3	To draft Patterns for men's wear
Co – 4	To know about the construction details of garments.
Co – 5	To Construct various garments for men's wear

Design and draft the following men's garment

1. S.B. Waist coat	11 Hrs
2. Nehru shirt	11 Hrs
3. Kalidar kurta	11 Hrs
4. Full sleeve shirt	11 Hrs
5. Slack shirt	10 Hrs

6. Pyjama

10 Hrs

7. One piece pant

11 Hrs

Course Outcomes (CO) :

The learner will be able to

Co No	Course outcome	PSOs Addressed	Cognitive Level
Co – 1	To learn about Standardising of garments in Men's wear.	PSO-	R
Co – 2	Understand about the designing procedures of men's garment.	PSO-	U,R
Co – 3	To design various garments for men's wear	PSO-	U,E
Co – 4	Understand about the Construction procedures for men's garment.	PSO-	U
Co – 5	To construct various garments based on the procedures	PSO-	U, An

A Record of the Work done is to be submitted at the time of examination.

Book for Reference:

1 . Zarapkar system of cutting , Senapati Bapat Marg, Navneet publications (India) Limited
2005

(For candidates admitted from 2019 onwards)
HOLY CROSS COLLEGE (AUTONOMOUS) TIRUCHIRAPALLI-2
DEPARTMENT OF FASHION AND COSTUME DESIGNING
CHOICE BASED CREDIT SYSTEM
B.SC., FASHION AND COSTUME DESIGNING
Third Year - Semester- V

COURSE TITLE	MAJOR ELECTIVE – II- FABRIC CARE
TOTAL HOURS	75
HOURS/WEEK	5
CODE	U19FC5MET02
COURSE TYPE	THEORY
CREDITS	5
MARKS	100

General Objective:

The students will gain knowledge regarding care and maintenance of textiles and learn about different laundering equipments.

Course Objectives (CO):

After completion the student will be able to

Co. no	Course Objectives
Co – 1	To Impart knowledge about water types
Co -2	To learn about the Bleaches and blues
Co – 3	To study about stain removal
Co – 4	To understand about the Laundry equipments
Co – 5	To acquire knowledge about the care of Home fabrics

Unit I : Water

15 Hrs

Water – Sources of water, Types of hardness, methods of softening water – Alkali method, lime soda method. Determination of hardness. Laundry Soaps – Manufacture of soap, composition of soap, commonly available types of soap, soap less detergents, and chemical action of detergents.

Extra reading/Key words: Cleaning agents – Degreasers, Abrasives, acids

Unit II : Bleaches

15 Hrs

Bleaches – Classification, Types of Bleaches - Open Air and Sunlight, Sodium hypochlorite, hydrogen peroxide, potassium permanganate. Application of bleaches to various fibre fabrics, the right way to bleach. Optical brighteners. Laundry blues, Fluorescent Brightening Agents (FBAS). Stiffening Agents: Purposes of stiffening, classification of stiffening agents, Preparation and uses of stiffeners, steps in stiffening.

Extra reading/Key words: Application of blues to fabrics, Application of stiffening agents to fabrics.

Unit III: Stain removal

15 Hrs

Stain removal: Identification of stain, General procedures of stain removal, Home removal of stains, classification of stains, Principles of stain removal, classification of stain removers. Care labels: Instruction for washing, bleaching, drying, Ironing and dry cleaning. Placement of labels in garments.

Extra reading/Key words: Stain prevention, Solvent method of stain removal.

Unit IV: Laundry Equipments

15 Hrs

Laundry equipments: Household laundry equipments, Laundry procedures for various fiber fabrics – cotton, linen, wool, silk and synthetics. Dry cleaning: Definition, dry cleaning operations, dry cleaning materials.

Extra reading/Key words: Types of laundry, Steam Cabinet.

Unit V: Care

15 Hrs

Care of special items: Draperies and curtains, Rugs and carpets. Storage of household linen and apparel: Bed linen, Bath linen, Bath accessories, Table linen and Apparels. Laundries – Types and their functioning, planning of laundry area.

Extra reading/Key words: Laundering of Specific fabrics - Cotton, Silk, Wool and Synthetics.

Note: Texts given in the Extra reading /Key words must be tested only through Assignments and Seminars.

Course Outcome (CO):

The learner will be able to

Co.no	Course outcome	PSOs Addressed	Cognitive Level
Co – 1	To impart knowledge about water	PSO-1	U
Co – 2	Understand about the different types of bleaches and blues	PSO-1,2	U,R

Co – 3	Analyze about the stain removal	PSO-2,3	An, R
Co – 4	To evaluate about the laundry equipments	PSO-4	E
Co – 5	To study the care and maintenance of special items	PSO-3,4	R,U

PO- Programme Outcomes; CO- Course Outcome; R- Remember; U- Understand; Ap- Apply; An- Analyse; E- Evaluate; C- Create

TEXT BOOKS:

1. Fundamentals of textiles and their care by (5th edition), Sushela Dantiyagi, Orient Long man ltd, New Delhi.

BOOKS FOR REFERENCE:

1. Fabric care by Noemia. D'Souza., New age International (P) ltd., Publishers, Chennai.

(For candidates admitted from 2019 onwards)
HOLY CROSS COLLEGE (AUTONOMOUS) TIRUCHIRAPALLI-2
DEPARTMENT OF FASHION AND COSTUME DESIGNING
CHOICE BASED CREDIT SYSTEM
B.SC., FASHION AND COSTUME DESIGNING
Third Year - Semester- V

COURSE TITLE	NON MAJOR ELECTIVE – I- FASHION EVOLUTION
TOTAL HOURS	30
HOURS/WEEK	2
CODE	U19FC5NMT01
COURSE TYPE	THEORY
CREDITS	2
MARKS	50

General Objective:

The students will learn about introduction to fashion and clothing psychology and gain knowledge regarding traditional and world costumes.

Course Objectives (CO):

After completion the student will be able to

Co. no	Course Objectives
Co – 1	To Impart knowledge about Fashion
Co -2	To learn about the Elements and Principles of design
Co – 3	To study about Clothing psychology
Co – 4	To understand about the Traditional Indian garments
Co – 5	To acquire knowledge about the World costumes

Unit-I- Introduction to Fashion

6 Hrs

Definition- Design, Style, Fashion, Fashion Cycles – Length of Cycles. Types of Fashion – Haute couture, Avant grade, Pret-a-Porter, Classic, Chic, Fad, Flop, Couturier.

Extra reading/Key words: Silhoutte, Motif, apparel, accessories, Avant-garde.

Unit -II Elements and Principles of Design**6 Hrs**

Elements of Arts - Line, Shape, Color, Size and Texture.

Principles of Design - Balance, Rhythm, Proportion, Harmony and Emphasis.

Extra reading/Key words: Visual design, Advantage of elements and principles of design.

Unit -III Clothing Psychology**6 Hrs**

The psychology of clothing - factors influencing fashion. Adoption of fashion - traditional- modern, Fashion categories.

Extra reading/Key words: physical and sociological factors influencing clothing.

Unit -IV- Traditional Indian Garments**6 Hrs**

Indian garments from ancient to modern times. Traditional Indian textiles – Motifs, color combinations, designs. Accessories and embellishments

Extra reading/Key words: Traditional state costumes and accessories.

Unit -V- World costumes**6 Hrs**

Traditional costumes around world. Traditional costumes of Asian countries, color combination, designs, motifs and accessories.

Extra reading/Key words: Continental based costumes and accessories.

Note: Texts given in the Extra reading /Key words must be tested only through Assignments and Seminars.

Course Outcome (CO) :

The learner will be able to

Co No	Course outcome	PSOs Addressed	Cognitive Level
Co – 1	To impart knowledge about Fashion evolution	PSO-1	U
Co – 2	Understand about the different types of Elements and principles of design.	PSO-1,2	U,R
Co – 3	Analyze about the factors influencing psychology.	PSO-2,3	An, R
Co – 4	To evaluate about the traditional Indian costumes	PSO-4	E
Co – 5	To study about the World costumes.	PSO-3,4	R,U

TEXT BOOKS:

1. Abramov I: An analysis of personal color analysis. The psychology of fashion: From conception to consumption. Edited by: Solomon M. 1985, Lexington Books, Lexington.
2. Ellinwood. J G (2011)-Fashion By Design- Fairchild Books – New York

BOOKS FOR REFERENCE:

1. Bevin.M E(1985)- Design Through Discovery – Wadsworth Publishing, Susan Katz.
2. Lauer D.A (2001)- Design Basics – Clark Baxter – Boston USA
3. Dr.Kaur.N- Comdex Fashion design – Kogent learning solutions – New delhi

(For candidates admitted from 2019 onwards)
HOLY CROSS COLLEGE (AUTONOMOUS) TIRUCHIRAPALLI-2
DEPARTMENT OF FASHION AND COSTUME DESIGNING
CHOICE BASED CREDIT SYSTEM
B.SC., FASHION AND COSTUME DESIGNING
Third Year - Semester- VI

COURSE TITLE	MAJOR CORE 11- EXPORT DOCUMENTATION
TOTAL HOURS	90
HOURS/WEEK	6 HRS
CODE	U19FC6MCT11
COURSE TYPE	THEORY
CREDITS	5
MARKS	100

General Objective:

The students will learn about Export and import procedures in apparel industry and learn about shipment procedure and its documentation.

Course Objectives (CO):

After completion the student will be able to

Co. No.	Course Objectives
CO-1	To identify and gain knowledge about basics of export and Import
CO-2	Analyze about Apparel Industry
CO-3	To know about the Export Procedures
CO-4	Study about the terms of Shipments
CO-5	To familiarize about Shipment Documentation

Unit I: Introduction of Export and Import

18 Hrs

Introduction of Export and Import, Trade-Definition and features. Types of Trade-Internal Trade, International Trade. Foreign Trade and Globalization. Advantages and Disadvantages of Trade

Extra reading /Key words: Domestic and International Trade

Unit II: Apparel Industry**18 Hrs**

World Apparel Industry, Indian Apparel Industry-Challenges to Indian Apparel Industry. Products and Product Centers, Competitiveness, Domestic Industry. Major Exporters in India

Extra reading /Key words: Apparel Export, Indian Apparel Export

Unit III: Export Procedure**18 Hrs**

Export process-Receipt of Enquiry, Role of Merchandiser, Documentation, Purchase Order, Terms of Payments-Advance Payment, Open account Documentary collection, Letter Of Credit-Flow of Letter Of credit, Parties of Letter of Credit, Types of Letter Of Credit Documents against Payment, Documents against Acceptance.

Extra reading/Key words: Export documentation, LOC.

Unit IV: Terms of Shipment**18 Hrs**

Terms of Shipment-Incoterms, EXW, Free Carrier, FAS, FOB, CFR, CPT, CIP, DAF, DES, DEQ, DDU and DDP.

Extra reading/Key words: Shipment procedure, Shipping Procedures

Unit V: Shipment Documentation**18 Hrs**

Pre shipment and Post shipment Documentation. Generation of Documents-Commercial Documents, Regulatory Documents. Export Financing-RBI Guidelines to liberal export Finance-Pre shipment Finance, Types, Stages .Post Shipment Finance, Post shipment Credit. Import and Import Procedures.

Extra reading/Key words: Pre shipment and Post shipment Documentation

Note: Texts given in the Extra reading /Key words must be tested only through Assignments and Seminars.

Course Outcomes (CO) :

The learner will be able to

Co. No.	Course Outcomes	PSOs Addressed	Cognitive Level
CO-1	Understand about the basics of Import and Export procedures	PSO-1	R,
CO-2	Learn about the different environment of Apparel Industry	PSO-2	U
CO-3	Understand the concept of Export Procedures	PSO-1,2	R,U

CO-4	Analyze the concept and terms in Shipments	PSO-2	U
CO-5	Classify the Shipment Procedures	PSO-4	E

PO- Programme Outcomes; CO- Course Outcome; R- Remember; U- Understand; Ap- Apply; An- Analyse; E- Evaluate; C- Create

TEXT BOOK:

1. Keegan, W.J. 1989, "Global Marketing Management", 4th ed., Prentice Hall International Edition.
2. Kwelepeta, S.L., "Export Documentation", op.cit.

BOOKS FOR REFERENCES:

1. McGuiness, N.W. and Little, B. "The Influence of Product Characteristics on the Export Performance of New Industrial Products", Journal of Marketing, Spring 1981.
2. Kwelepeta, S.L, "Legal Aspects of Foreign Trade", S. Carter (ed.), "Export Procedures" Network and Centre for Agricultural Marketing Training in Eastern and Southern Africa, August 1991.
3. Kimweli P.K. "Exporting of Horticultural Produce in Kenya". In S Carter, ed. "Marketing Management in the Horticultural Industry". Network and Centre for Agricultural Marketing in Eastern and Southern Africa, FAO, November 1991.

(For candidates admitted from 2019 onwards)
HOLY CROSS COLLEGE (AUTONOMOUS) TIRUCHIRAPALLI-2
DEPARTMENT OF FASHION AND COSTUME DESIGNING
CHOICE BASED CREDIT SYSTEM
B.SC., FASHION AND COSTUME DESIGNING
Third Year - Semester- VI

COURSE TITLE	MAJOR CORE 12- TECHNICAL TEXTILE
TOTAL HOURS	90
HOURS/WEEK	6 HRS
CODE	U19FC6MCT12
COURSE TYPE	THEORY
CREDITS	5
MARKS	100

General Objective:

The students will learn about Technical textiles and its different types, applications and its characteristic, they will also gain knowledge about different technical fibres used.

Course Objectives (CO):

After completion the student will be able to

CO No.	Course Objectives
CO-1	To gain knowledge about Technical textiles and technical fibers
CO-2	Analyze about different types and functions of medical and agro textiles.
CO-3	To know about build-tech and geo textiles applications and its characteristic.
CO-4	To Study about functions and types of protective and industrial textiles
CO-5	To learn about the properties and functions of sports and smart textiles.

Unit-1- Introduction to Technical Textiles**18 Hrs**

Definition, Classification, Applications, Globalization and Future of Technical Textiles industry. Technical Fibers - High Strength and high modulus organic fibers, High performance inorganic fibers, Ultra-fine and novelty fibers.

Extra reading/Key words: Manufacturing process of Novelty and technical fibers.

Unit-2 – Medical and Agro Textiles**18 Hrs**

Medical Textiles: Introduction, Fibers used, Properties, Classification- Non-Implantable, Implantable, Extra corporal devices, Health care /Hygiene Products and Applications. Agro Textiles - Introduction, fibers used Types, functions and properties, Characteristics and Applications.

Extra reading/Key words: Agro-textiles, cloth textiles

Unit:3 - Build Tech and Geo Textiles**18 Hrs**

Build Tech - Introduction, fibers used Types, functions and properties, Characteristics and Applications. Geo textiles: - Introduction, fibers used Types, functions and properties, Characteristics and Applications in its field.

Extra reading/Key words: Home-textiles, mobile-textiles

Unit:4 - Protective Textiles and Indu Tech**18 Hrs**

Protective Textiles: Introduction, fibers used Types, functions and properties, Characteristics and Applications- Fire Protective clothing, Heat resistant garments, Water proof materials, Military Protective clothing. Indu Tech - Introduction, fibers used, Types, functions and properties, Characteristics and Applications in its field.

Extra reading/Key words: Oeko-textiles, pack textiles

Unit: 5 - Sports, Smart and Intelligent Textiles**18 Hrs**

Sports Textiles - Introduction, fibers used, Types, functions and properties, Characteristics and Applications of Sports Tech. Smart and Intelligent Textiles – Classification - Active smart, passive smart and very smart textiles and its characteristic and application.

Extra reading/Key words: Architecture textiles, Military textiles

Note: Texts given in the Extra reading /Key words must be tested only through Assignments and Seminars.

Course Outcomes (CO) :

The learner will be able to

Co. No.	Course Outcomes	PSOs Addressed	Cognitive Level
CO-1	Understand about the basics of Technical textiles and technical fibers.	PSO-1	R, U
CO-2	Learn about the different types of medical and agro textiles	PSO-2	U,An
CO-3	Understand the functions and properties of Build tech and geo textiles.	PSO-1,2	R,U
CO-4	Analyze the fibers used and types of protective and industrial textiles.	PSO-2	A,U
CO-5	To learn about the different types and functions of sports and smart textiles.	PSO-1,2	R,U

PO- Programme Outcomes; CO- Course Outcome; R- Remember; U- Understand; Ap- Apply; An- Analyse; E- Evaluate; C- Create

TEXT BOOKS

1. Hand book of Technical textiles, A. R. Horrocks and S. C. Anand, Wood head publishing ltd, England, 2000
2. Technical Textiles and its Application , Dr.S.Grace Annapoorani , LASER Park Publishing House, India, 2017
3. Textiles for Industrial Applications, R. Senthil Kumar, CRC Press, 2013

BOOKS FOR REFERENCE

1. Textile Fibers: Developments and Innovations, Kothari, V., New Delhi: IAFL Publications, 2000.
- 2 Handbook of Industrial Textiles, Sabit Adanur, Wellington Sears CRC Press ,1995.
- 3 Agro Textiles and its Application, Dr.S.Grace annapoorani, Wood head publishing ltd, India , 2018

(For candidates admitted from 2019 onwards)
HOLY CROSS COLLEGE (AUTONOMOUS) TIRUCHIRAPALLI-2
DEPARTMENT OF FASHION AND COSTUME DESIGNING
CHOICE BASED CREDIT SYSTEM
B.SC., FASHION AND COSTUME DESIGNING
Third Year - Semester- VI

COURSE TITLE	MAJOR CORE 13-FASHION PORTFOLIO
TOTAL HOURS	90
HOURS/WEEK	6 HRS
CODE	U19FC6MCP13
COURSE TYPE	PRACTICAL
CREDITS	5
MARKS	100

General Objective:

The students will learn about Export and import procedures in apparel industry and learn about shipment procedure and its documentation.

Course Objectives (CO):

After completion the student will be able to

CO No.	Course Objectives
CO-1	To identify and gain knowledge about Mood Board
CO-2	Analyze about Components of Theme Board
CO-3	To know about Fashion color Board
CO-4	Study about Various Texture Board
CO-5	To familiarize about Logo Creation
CO-6	To identify and gain knowledge about Working Drawing
CO-7	Analyze about Costing of The Garments
CO-8	To know about Spec sheet Formation
CO-9	Study about Fashion Drafting and Pattern Making
CO-10	To familiarize about Final Presentation

I. Development of an Individual Fashion Portfolio Presentation based on a Theme.

1. Mood Board.	9 Hrs
2. Theme Board.	9 Hrs
3. Color Board.	9 Hrs
4. Texture Board.	9 Hrs
5. Logo Creation.	9 Hrs
6. Working Drawing.	9 Hrs
7. Costing.	9 Hrs
8. Spec Sheet.	9 Hrs
9. Drafting and Pattern Making.	9 Hrs
10. Final Presentation.	9 Hrs

Course Outcomes (CO):

The learner will be able to

CO No.	Course Outcomes	PSOs Addressed	Cognitive Level
CO-1	Understand about Fashion mood Board	PSO-1	R,
CO-2	Learn about Fashion Theme Board	PSO-3	U
CO-3	Understand the concept of Fashion Color Board	PSO-1,2	R,U
CO-4	Analyze the concept of Fashion Texture Board	PSO-4	U
CO-5	Classify about the Logo Creation	PSO-5	E
CO-6	To Understand and gain knowledge about Working Drawing	PSO-1	R
CO-7	Analyze about Costing of The Garments	PSO-2	U
CO-8	To know about Spec sheet Formation	PSO-3,2	U,Ap
CO-9	Study about Fashion Drafting and Pattern Making	PSO-2,3	U,Ap

CO-10	To familiarize about Final Presentation	PSO-5,2	C,U
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PO- Programme Outcomes; CO- Course Outcome; R- Remember; U- Understand; Ap- Apply; An- Analyse; E- Evaluate; C- Create

A Record of the Work done is to be submitted at the time of examination.

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Third Year - Semester- VI

COURSE TITLE	MAJOR ELECTIVE III - GARMENT QUALITY AND COST CONTROL
TOTAL HOURS	75
HOURS/WEEK	5 HRS
CODE	U19FC6MET03
COURSE TYPE	THEORY
CREDITS	5
MARKS	100

General Objective:

The students will learn about Quality, cost and production control and they also gain knowledge about Merchandising.

Course Objectives (CO):

After completion the student will be able to

CO No.	Course Objectives
CO-1	To identify and gain knowledge about Quality control
CO-2	Analyze about Quality control system
CO-3	To know about Production control and its functions
CO-4	Study about Production control System
CO-5	To familiarize about cost control and its functions.

Unit I: Quality control and Merchandising**15 Hrs**

Quality control - Definition and Scope. Merchandising and Merchandiser-Introduction. Merchandising Standards. Quality control Specification, Establishing the Quality control specification.

Extra reading/Key words: Quality management and its evolution.

Unit II: Quality Control System**15 Hrs**

Quality control system-Quality control in Raw material, Finished Garments, Packaging, Warehousing and Shipping. Sampling Plans-Industry Wide Quality standards.

Extra reading/Key words: Total quality management and its principles.

Unit III: Production Control**15 Hrs**

Production Control-Introduction and functions of production control. Quality specification and Quantitative specification-Apparel manufacturing system-Co ordinating Apparel departmental Activities.

Extra reading/Key words: Quality trilogy and quality circles.

Unit IV: Production control system**15 Hrs**

Production control system, Introduction-Types of Production Control System. Choosing a Production System, Evaluating Production system, Flow Process Grids and charts.

Extra reading/Key words: PDCA cycle, Kaizan concept

Unit V: Cost Control**15 Hrs**

Cost control-Functions of cost control, Types of cost and Expenses. Apparel manufacturing cost categories-sales, Purchase, Production Administration. Standard Cost Sheet, Cash flow control.

Extra reading/Key words: EMS meaning, definition and its Benefits.

Note: Texts given in the Extra reading /Key words must be tested only through Assignments and Seminars.

Course Outcomes (CO) :

The learner will be able to

CO No.	Course Outcomes	PSOs Addressed	Cognitive Level
CO-1	Understand about Quality control and Merchandiser	PSO-1	R,

CO-2	Learn about Quality control system	PSO-2	U
CO-3	Understand the concept of Production Control	PSO-2	,U
CO-4	Analyze the concept of Production control system	PSO-2	U
CO-5	Classify the functions of cost control	PSO-5,2	E,U

PO- Programme Outcomes; CO- Course Outcome; R- Remember; U- Understand; Ap- Apply; An- Analyse; E- Evaluate; C- Create

TEXT BOOK:

1. Mitreva, E., and Taskov, N., Projection and Implementation of Total Quality Management systems within the textile production, Business Systems and Economics.

2. M., Khan, A.M., and Khan, M., Minimization of reworks in quality and productivity improvement in the apparel industry, International Journal of Engineering and Applied Sciences, 2013.

BOOKS FOR REFERENCES:

1. Mahnaz, F., and Ejaz, A., Quality Management in Pakistan's ready-made garments' industry, Quality Engineering, 2005.

2. Heizer, J., and Render, B., Operations Management: Sustainability and Supply Chain Management, Pearson: England, 2014.

3. Center for the Advancement of Process Technology (CAPT), Process Quality, Pearson: United States of America, 2011.

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B.SC., FASHION AND COSTUME DESIGNING
Third Year - Semester- VI

COURSE TITLE	NON MAJOR ELECTIVE-II - HOME TEXTILE
TOTAL HOURS	30
HOURS/WEEK	2
CODE	U19FC6NMT02
COURSE TYPE	THEORY
CREDITS	2
MARKS	100

General objective:

To enable the students towards the knowledge from basic fibres, fabrics and about different applications of home textiles.

Course objectives (co)

The learner will be able to

CO NO.	Course Objectives
CO-1	To gain the knowledge about basic of Home Textiles
CO-2	To study about window Textiles.
CO-3	To learn about Table Textiles and its types.
CO-4	To identify and gain knowledge about usage of textiles in bed and Kitchen areas
CO-5	To learn about Textile Floor Coverings and its manufacture.

Unit-I : Introduction and Concept in Home textile

6 Hrs

Home textile-Introduction, Definition and classification-Different Textile fibres used in home textile, Areas of application of Home textile.

Extra reading/Key words: Role of fabrics and properties of home textiles

Unit-II: Window Textile**6 Hrs**

Textile for Seating - Fixed Upholstery. Window Textiles-Sun filters, semi sheers, Reflective textiles, Curtain fabrics and Drapes, Blinds.

Extra reading/Key words: Tie-backs and trims window textiles

Unit-III: Table Textile**6 Hrs**

Table Textiles – Table Cloths and Mats – woven, printed, jacquard, and embroidered types. Towels – Types of towels, bath robes, beach towels, kitchen towels, terry towels.

Extra reading/Key words: Properties and manufacturing process of table cloth

Unit- IV: Bed Textile and Kitchen Textile**6 Hrs**

Bed Textile - Sheets and Pillow Cases, Quilted Textiles, Blankets, Mattress covers. Kitchen Textile - Apron, Gloves and Table Cloth.

Extra reading/Key words: Bed spreads, Properties of fabric used for bed textiles.

Unit- v: Textile Floor Covering**6 Hrs**

Textile Floor Coverings – Introduction, Pile fibres, backing fibres and fabrics – Tufted Carpets, Needle felt backings, woven carpet. Woven Carpet Manufacture – Wilton weaving, Tufted Carpet Manufacture.

Extra reading/Key words: Types of Rugs and carpets.

Note: Texts given in the Extra reading /Key words must be tested only through Assignments and Seminars.

Course outcomes:

The learner will be able to

Co no.	Course outcomes	PSOs addressed	Cognitive level
Co-1	Understand about the basic of Home Textiles	PSO3	R
Co-2	Learn about different types of Window Textiles	PSO2	U
Co-3	Learn about different types of Table Textiles and its uses	PSO2	U
Co-4	Understand about the usage of textiles in bed and Kitchen areas	PSO4	An
Co-5	Understand about the different types of Textiles Floor Coverings	PSO7	E

Po- Programme Outcomes; Co- Course Outcome; R- Remember; U- Understand; Ap- Apply; An- Analyse; E- Evaluate; C- Create

TEXT BOOKS:

1. Carpets : Back to Front, Textile progress, Vol.19, No.3 by – L Cegielka MA, The Textile Inst. Publication
2. Textile Floor coverings by G.H. Crawshaw, Textile Progress, Vol.9, No.2, The Textile Inst. Publisher.

BOOKS FOR REFERENCE

1. Interior Furnishings, Textile Progress, Vol.11, No.1, By Mortimer O. Shea, The Textile Inst. Publication
2. Interior Furnishing by Mortimer O.Shea, Textile Progress, Vol.11, No.1, The Textile Institute, Publication.

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B.SC., FASHION AND COSTUME DESIGNING
Third Year - Semester- VI

COURSE TITLE	SKILL BASED ELECTIVE-V- ENTREPRENEURSHIP DEVELOPEMENT
TOTAL HOURS	30
HOURS/WEEK	2 HRS
CODE	U19FC6SBT05
COURSE TYPE	THEORY
CREDITS	2
MARKS	100

General Objective:

The students will learn about Export and import procedures in apparel industry and learn about shipment procedure and its documentation.

Course Objectives (CO):

After completion the student will be able to

Co.No.	Course Objectives
CO-1	To identify and gain knowledge about Concept and role of entrepreneurs
CO-2	Analyze about Entrepreneurial supportive Financial institutions and government policies
CO-3	To know about Fashion Business planning strategies
CO-4	To Study about Role of entrepreneurs in exports and imports
CO-5	To Understand about Management and entrepreneur.

Unit- I- Concept and role of Entrepreneurs**6 Hrs**

Concept of Entrepreneurship: Definition Nature and Characteristics of Entrepreneurship - Functions and types of Entrepreneurship. Role of entrepreneurs in development of apparel and fashion industry, entrepreneurship with reference to fashion and apparel industry in India.

Extra reading/Key words: Developments of Entrepreneurs.

Unit- II- Financial Institutions and Government policies**6 Hrs**

Entrepreneurial support by state, central financial institutions, organizations. Government policies with reference to textile and apparel industry.

Extra reading/Key words: NABARD, DRIP, REDP.

Unit-III- Business planning**6 Hrs**

Business planning- Starting a new venture related to apparel industry, essentials of a successful centre. Formalities of opening a firm, the status of firm, individual proprietor/partnership/ Pvt. Limited company & public Ltd Company.

Extra reading/Key words: Product Development, Plant layout.

Unit-IV- Role of entrepreneurs in export and import**6 Hrs**

Industrial sickness and remedies, tax planning, VAT, Patent Rules, Factory Act, Minimum wages, knowledge of exemptions & deductions. Role of Entrepreneur in export promotion and import substitution.

Extra reading/Key words: Ergonomics safety, EXIM policies.

Unit-V – Management and the entrepreneur**6 Hrs**

Management and the entrepreneur- Equipment Management, Inventory control- production control- quality control, cost control and business communication.

Extra reading/Key words: Material management and transportation

Course Outcomes:

CO No.	Course Outcomes	PSOs Addressed	Cognitive Level
CO-1	Understand about the Concept and role of entrepreneurs in fashion and apparel industry.	PSO-1	R,
CO-2	To analyse about Entrepreneurial supportive Financial institutions and government policies	PSO-2	U
CO-3	To learn about Business planning related to fashion and apparel industry	PSO-1,2	R,U

CO-4	To Analyze the role of entrepreneurs in export and import	PSO-2	U
CO-5	To learn about the entrepreneur equipment management	PSO-5	E

PO- Programme Outcomes; CO- Course Outcome; R- Remember; U- Understand; Ap- Apply; An- Analyse; E- Evaluate; C- Create

TEXT BOOKS

1. Entrepreneurial Development, C.B. Gupta and N.P. Srinivasan, Sultan Chand & Sons, 2020
2. Fundamentals of Entrepreneurship and small Business, Renu Arora and S.K.I.Sood, Kalyani Publishers, 2015.
3. Entrepreneurial Development, S.S.Khanka, S. Chand Publishing, 2006.
4. Ormerod A Textile Project Management, the Textile Institute, 1992.
5. SangramKeshariMohanti Fundamentals & Entrepreneurship: 2009: PHI learning.

BOOKS FOR REFERENCE

1. Entrepreneurial Development, P. Saravanavel & P. Sumathi , Margham Publications, 2020.
2. Entrepreneurial Development, S.G.Bhanushali, Himalaya Publishing House, 1987
3. Vasanth Desai the dynamics of entrepreneurial development & Management: 6th edition Himalaya publish house. 2009.
4. Franklin, T. Principles of Management, AITBS, 2002.

