



**PSGR
Krishnammal College for Women**



DEPARTMENT OF COSTUME AND APPAREL DESIGN

PROGRAMME: B.VOC GARMENT DESIGNING

**CHOICE BASED CREDIT SYSTEM &
OUTCOME BASED EDUCATION SYLLABUS**

(Semester I– V)

B.VOC GARMENT DESIGNING (B.VOC GD)

2022 – 2025 BATCH



PROGRAMME LEARNING OUTCOMES (PLO's)

After completion of the programme, the student will be able

PLO1: To develop patterns for garments using flat pattern techniques, draping techniques and computer aided pattern drafting techniques.

PLO2: To construct innovative garments and learn various skills on export management, business communication and boutique management.

PLO3: To create value added garments using surface embellishments, printing and dyeing techniques.

PLO4: To gain knowledge on various methods of producing the fabric and checking the standards and quality of the textiles.

PLO5: To create fashion portfolio for garment designs either manually or digitally.

PROGRAMME SPECIFIC OUTCOME (PSO's)

The students at the time of graduation will

PSO1: Be employed as Assistant Fashion Designer, Fashion Designer, Export Manager and Boutique Manager with their sector skill certificates level – 4, 5, 6 and 7.

PSO2: Be equipped with current industrial trends with 5 internship training during their 6 semesters study period and this will lead jobs as merchandiser, fashion designer, cutting expert, laying expert, quality controller and sewing supervisor.

PSO3: Be able to provide consultancy services to the garment industry and also boutiques in the areas like visual merchandising, retail marketing, buying and selling.

PSO4: Be able to run training centers for fashion illustration, fashion designing, fashion embroidery, dyeing & printing and entrepreneurial development.



**DEPARTMENT OF B.VOC GARMENT DESIGNING
CHOICE BASED CREDIT SYSTEM (CBCS) & LEARNING OUTCOME
BASED CURRICULAR FRAMEWORK (LOCF)
SYLLABUS & SCHEME OF EXAMINATION
B.VOC GARMENT DESIGNING (B.VOC GD) – 2022-2025 BATCH
Level 4
Job Role: Assistant Fashion Designer**

Sem	Part	Subject Code	Title of the paper		Ins Hrs/ Week	Contact hrs	Tutorial	Duration of Exam	Exam Marks			Credits
									CA	ES E	Tot al	
I	I	VTM2201/ VHN2201/ VFR2201	Language Paper I (Tamil, Hindi, French)	Language	3	41	4	3	50	50	100	3(G)*
	II	VEN2101	Communication & Language Skills I	English	3	41	4	3	50	50	100	3(G)*
	III	VG22A01	Business Communication	CC	4	56	4	3	50	50	100	4(S)*
	III	VG22C01	Apparel Component Development	CC	3	41	4	3	50	50	100	3(G)*
	III	VG22P01	Apparel Component Development Lab (Practical)	CC	7	105	-	3	50	50	100	7(S)**
	III	VG22P02	Surface Ornamentation Lab (Practical)	CC	8	105	-	3	50	50	100	7(S)**
	III	VGINST1	Internship I		(60 hours)						100	2(S)**
	IV	NME21ES/ NME22B1 NME22A1	Foundation Course (Introduction to Entrepreneurship /Basic Tamil- I/Advanced Tamil-I)	AEC	2	26	4	3	100	-	-	2 (G)*

Level 5
Job Role: Fashion Designer

Sem	Part	Subject Code	Title of the paper		Ins Hrs/ Week	Contact hrs	Tutorial	Duration	Exam Marks			Credits
									CA	ES E	Total	
II	I	VTM2202/ VHN2202/ VFR2202	Language Paper II (Tamil, Hindi, French)	Language	3	41	4	3	50	50	100	3(G)*
	II	VEN2102	Communication & Language Skills II	English	3	41	4	3	50	50	100	3(G)*
	III	VG22C02	Concepts of fashion and design	CC	4	41	4	3	50	50	100	3(S)**
	III	VG22C03	Pattern Making and Grading	CC	4	41	4	3	50	50	100	3(S)**
	III	VG22P03	Fashion Illustration Lab I (Practical)	CC	7	90		3	50	50	100	6(S)**
	III	VG22P04	Apparel Design and Development Lab I (Practical)	CC	7	105	-	3	50	50	100	7(S)**
	III	VGINST2	Internship II				(60 hours)			100	2(S)**	
	IV		Open Course (Self study Online Course)		-	-	-	-	-	-	-	Comple tion certifica
	IV	NME22B2 NME22A2	Basic Tamil- II/Advanced Tamil- II) ****	AEC	-	-	-	-	-	-	-	Grade
	IV	21PELS1	Professional English for Life Sciences	GE	2	26	4	2	50	50	100	2 (G)*

Level 6
Job role: Export Manager

Sem	Part	Subject Code	Title of the paper		Ins Hrs/ Week	Contact hrs	Tutorial hrs	Duration of Exam	Exam marks			CREDITS
									CA	ES E	TOTAL	
III	I	VTM2303/ VHI2303/ VFR2303	Language Paper (Tamil, Hindi, French)	Language	4	58	2	3	50	50	100	3(G)*
	II	VEN2203	Communication & Language Skills	English	4	58	2	3	50	50	100	3(G)*
	III	VG22C04	Textile Science	CC	4	58	2	3	50	50	100	3(G)*
	III	VG22A02	Export Management	CC	3	43	2	3	50	50	100	3 (G)*
	III	VG22P05	Draping - Practical	CC	6	90	-	3	50	50	100	6 (S)**
	III	VG22P06	Fashion Illustration Lab II – Practical	CC	7	105	-	3	50	50	100	7 (S)**
	III	VGINST3	Internship III		(60 hours)						100	2(S)**
	IV	NM22UHR	Universal Human Values and Human Rights	AEC	2	30	-	-	100	-	100	2(G)*
	IV	NM22EVS	Environmental Studies	AEC	-	-	-	-	100	-	100	Grade

Sem	Part	Subject Code	Title of the paper		Ins Hrs/ Week	Contact hrs	Tutorial hrs	Duration of Exam	Exam marks			CRED ITS
									CA	ES E	TOTAL	
IV	I	VTM2204/ VHN2204/ VFR2204	Language Paper (Tamil, Hindi, French)	Langu age	3	43	2	3	50	50	100	3(G)*
	II	VEN2204	Communication & Language Skills	English	3	43	2	3	50	50	100	3(G)*
	III	VG22A03	Textile Processing	CC	3	43	2	3	50	50	100	3(G)*
	III	VG22C05	Textile Testing	CC	3	43	2	3	50	50	100	3(G)*
	III	VG22P07	Textile Testing and Eco friendly Processing Lab (Practical)	CC	8	120	-	3	50	50	100	7(S)**
	III	VG22P08	Apparel Design and Development Lab II (Practical)	CC	8	120	-	4	50	50	100	7(S)**
	III	VGINST4	Internship IV		(60 hours)				100		100	2(S)**
	IV	NM22DTG	Design Thinking	Finishing school – Part A	2	30	-	-	100	-	100	2(G)*
	V		Extension Activities NSS/ NCC/ YRC/ Sports and Games/ Ecowatch/ YiNet/ Rotract	AEC	-	-	-	-	100	-	100	1(S)*

*** General Component**

Note: 1 credit is 15 hrs

CC – Core Courses

GE – Generic Elective

AEC – Ability Enhancing Course

**** Skill Component**

Internship 1 credit is 30 hrs

CA – Continuous Assessment

ESE - End Semester Examination

**B.VOC GARMENT DESIGNING (2022-2025 BATCH AND ONWARDS)
CHOICE BASED CREDIT SYSTEM (CBCS) & LEARNING OUTCOME BASED
CURRICULAR FRAMEWORK (LOCF)
(SEMESTER – V)**

Programme and Branch B.Voc GD

Syllabus & Scheme of Examination 2022 – 2025 Batch & Onwards

Semester	Part	Course Code	Title of the Course	Course Type	Ins Hrs/ Week	Contact hHs	Tutorial Hrs	Duration of Exam	Exam marks			Credits
									CA	ESE	TOTAL	
V	III	VG22C06	Core VI - Textile Printing Techniques	CC	3	43	2	3	50	50	100	3(G)*
	III	VG22C07	Core VII - Boutique management	CC	3	43	2	3	50	50	100	3(G)*
V/VI	III	VG21A04	Allied IV- Coursera – Fashion Marketing and Merchandising/	DSE	3	45	-	-	100	-	100	3(G)*
		VG22C09	Core IX - Technical Textiles	CC	3	43	2	3	50	50	100	
V	III	VG22P09	Sustainable Textile Printing Lab	CC	5	75	-	3	50	50	100	5(S)**
	III	VG22P10	Design Research - Portfolio Development Practical	CC	7	105	-	3	50	50	100	7(S)**
	III	VG22P11	Apparel Design and Development Lab III	CC	7	105	-	4	50	50	100	7(S)**
			Community service	GC	30 hours							-
	IV	NM21CS1	Cyber Security	AECC	2	30	-	-	100	-	100	Gr
I - V	VI	16BONL 1 16BONL 2	Online Course 1 Online Course 2	ACC	-	-	-	-	-	-	-	-

* General Component

** Skill Component

Note: 1 credit is 15 hrs

CC : Core Courses

ACC : Additional Credit Courses

GC : General Courses

DSE : Discipline Specific Elective

AECC : Ability Enhancement Compulsory Courses

CA – Continuous Assessment

ESE - End Semester Examination

Gr - Grade

CA conducted for 50 and converted into 25, ESE conducted for 100 and converted into 50

COURSE NO VG22A01	SEMESTER – I BUSINESS COMMUNICATION	Category	L	T	P	Credit
		Theory	56	4		4

Course Learning Outcomes

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

CLO Number	CLO Statement	Knowledge Level
CLO1	Identify the importance of communication to gain a general understanding of communication process, and to overcome barriers in communication.	K1
CLO2	Recognize the importance of non-verbal communication and use of various communications devices.	K2
CLO3	Associate the importance of dress and the importance of Negotiating skill in work place and interpret voice control and pronunciation of words while Negotiating and entertaining customers	K3
CLO4	Demonstrate the critical thinking skills to produce successful letters or emails; agenda and minutes and participation in meetings in any given context or situation.	K4

Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6
CLO1	S	S	S	L	L	L
CLO2	S	S	S	L	L	L
CLO3	S	S	S	L	L	L
CLO4	S	S	S	L	M	M

S- Strong; M-Medium; L-Low

Syllabus

UNIT – I

11 Hours

Communication: Meaning – Objectives – Importance – Channels – Media – Barriers to communication – Essentials of Effective Communication.

UNIT – II

12 Hours

Communication through letters – Layout of letter – Business letter format--Enquiries and Reply – Offers and Quotations – Orders and Execution – Claims and Adjustments – Collection – Status Enquiries.

UNIT – III

11 Hours

Non-verbal communication – Body Language - Business meeting- Initiating Interactions – Participating in Business Conversation- Preparing Agenda & Minutes- press release.

UNIT – IV**11 Hours**

Dressing for Work - Managing appointments- Negotiating skill -Voice control and pronunciation of words- Negotiating with Customers - Entertaining Customers

UNIT – V**11 Hours**

Interpersonal communication- Inter cultural communication– Communication devices – Use of internet and email*-- Business étiquette and email étiquette*.

*-Self study

Case study Analysis- simple cases from all units

Text Book

Sl. No.	Author(s)	Title of the Book	Publisher	Year of Publication
1.	Rajendra Pal &Korlahalli	Essentials of Business Communication	Sultan Chand & Sons.	2014
2	Gupta C.B	Basic Business Communication	Sultan Chand & Sons.	2014

Reference Books:

Sl. No.	Author(s)	Title of the Book	Publisher	Year of Publication
1	Kitty O. Locker & Stephen Kyo Kaczmarek	Business Communication- Building Critical Skills	McGraw-Hill Irwin	2014
2	Raj Kumar	Basic Business Communication	Excel Books Publishing house	2010
3	M.V. Rodriques	Effective Business Communication	Concept Publishing Company	2003
4	Ramesh, MS,& C. C Pattanshetti	Business Communication	R.Chand & Co,	2003

Course Designers:

J Sheela

COURSE NO VG22C01	SEMESTER – I APPAREL COMPONENT DEVELOPMENT	Category	L	T	P	Credit
		Theory	41	4	-	3

Preamble

To impart thorough knowledge on the parts and function of the sewing machine and the basic garment parts construction techniques.

Course Learning Outcomes

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

CLO Number	CLO Statement	Knowledge Level
CLO1	Identify the methods and tools for body measurement	K2
CLO2	Apply seams, seam finishes and fullness.	K3
CLO3	Analyse the construction of plackets, sleeves, collars, yokes and fasteners.	K4
CLO4	Application of trims and decoration in apparel.	K3

Mapping with Programme Learning Outcomes

CLOS	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6
CLO1	S	S	S	S	S	S
CLO2	S	S	S	S	S	S
CLO3	S	S	S	S	S	S
CLO4	S	S	S	S	S	S

S- Strong; M-Medium; L-Low

Syllabus

Unit I

8 hrs

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

Unit II

8 hrs

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

Unit III**8 hrs**

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

Unit IV**9 hrs**

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

Unit V**8 hrs**

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

Reference Books

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

Course Designers:

V.S.Karpagavalli.

COURSE NO VG22P01	SEMESTER – I APPAREL COMPONENT DEVELOPMENT LAB (PRACTICAL)	Category	L	T	P	Credit
		Practical			105	7

Preamble

To impart thorough knowledge on difference seams, seam finishes, gathering, fullness, neck finishes placket, fastness, sleeve, yokes, collars and all the details of the garment.

Course Learning Outcomes

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

CLO Number	CLO Statement	Knowledge Level
CLO1	Identify the construction methods for seas and seam finishes	K2
CLO2	Apply the principles of fullness and neck finishes for apparels	K3
CLO3	Analyse the construction of plackets, sleeves, collars, yokes and fasteners.	K4
CLO4	Develop samples for different type of mask.	K3

Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6
CLO1	M	M	S	S	S	S
CLO2	M	S	S	S	M	M
CLO3	S	S	M	M	M	M
CLO4	S	S	S	M	M	M

S- Strong; M-Medium; L-Low

Syllabus

1. Preparation of samples for seam – plain, top stitched, flat fell, piped and mantua maker seam. **6 Hrs**
2. Preparation of samples for seam finishes- Edge stitched, double stitch, overcast, bound, hem and darning methods. **6 Hrs**
3. Preparation of samples for fullness-Darts, tucks- pin tucks, cross tucks and group tucking with scalloped effect. **6 Hrs**
4. Preparation of samples for fullness - Pleats- knife pleat, box pleat, kick pleat, fan pleat. **6 Hrs**
5. Preparation of samples for fullness-Gathering – Gathering by hand, machine, elastic, Ruffle-single,double, circular, Godets. **6 Hrs**
6. Preparation of samples for facing and binding- bias facing, shaped facing and binding. **6 Hrs**

- | | |
|--|---------------|
| 7. Preparation of samples for fasteners- continuous bound, two-piece placket, zipper and tailored placket. | 7 Hrs |
| 8. Preparation of samples for fasteners - button and buttonhole, Hook and eye and press button. | 8 Hrs |
| 9. Preparation of samples for sleeves- plain sleeve and puff sleeve. | 8 Hrs |
| 10. Preparation of samples for sleeves-raglan sleeve and cape sleeve. | 8 Hrs |
| 11. Preparation of samples with yoke- partial yoke, simple yoke and yoke supporting fullness. | 8 Hrs |
| 12. Preparation of samples for collar- Peter Pan collar, shirt collar and shawl collar. | 10 Hrs |
| 13. Preparation of samples for pocket- patch pocket, bound pocket and side pocket. | 10 Hrs |
| 14. Preparation of sample for mask – pleated mask and padded mask. | 10 Hrs |

Course Designers:

V.S.Karpagavalli.

COURSE NO VG22P02	SEMESTER – I SURFACE ORNAMENTATION LAB (PRACTICAL)	Category	L	T	P	Credit
		Practical			105	7

Preamble

To impart thorough knowledge on surface embellishments of the garments.

Course Learning Outcomes

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

CLO Number	CLO Statement	Knowledge Level
CLO1	Prepare samples of embellishment – hand and machine embroidery.	K3
CLO2	Apply suitable embellishment in garments.	K3
CLO3	Develop suitable value additions for apparel.	K4
CLO4	Application of Indian traditional embroideries as embellishment	K3

Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6
CLO1	M	S	S	M	L	L
CLO2	S	S	S	M	L	L
CLO3	S	S	S	M	L	L
CLO4	S	S	S	M	S	S

S- Strong; M-Medium; L-Low

Syllabus

Prepare samples for the following

- | | |
|--|---------------|
| 1. Hand embroidery - 15 stitches and fancy embroideries – 5 stitches. | 10 hrs |
| 2. Machine Embroidery- 9 stitches - 3 samples. | 8 hrs |
| 3. Applique- 3 types– hand, machine and iron appliqué. | 8 hrs |
| 4. Smocking -3types. | 8 hrs |
| 5. Tatting and crochet . | 8 hrs |
| 6. Bead Work and Sequins work –each one sample . | 6 hrs |
| 7. Zardosi work -1 sample. | 6 hrs |
| 8. Belts & Bows – any 2 types. | 6 hrs |
| 9. Mirror & Stone work -1 sample. | 6 hrs |
| 10. Patch work -1 sample. | 6 hrs |
| 11. Quilting -1 sample. | 6 hrs |
| 12. Tassels and fringes. | 7 hrs |
| 13. Traditional embroideries of India – Pulkari, Kasuti and kashida– each one sample. | 10 hrs |
| 14. Traditional embroideries of India –chickenkari, kanta and kutch – each one sample. | 10 hr |

Course Designers:

V.S.Karpagavalli

COURSE NO VG22C02	SEMESTER – II CONCEPTS OF FASHION AND DESIGN	Category	L	T	P	Credit
		Theory	41	4		3

Preamble

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

Course Learning Outcomes

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

CLO Number	CLO Statement	Knowledge Level
CLO1	Differentiate fashion terms and fashion theories.	K2
CLO2	Application of design concepts in apparel	K3
CLO3	Illustrate knowledge on Indian and global fashion designers.	K3
CLO4	Application of forecasting and design process for portfolio presentation and fashion show.	K3

Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6
CLO1	S	S	S	S	S	M
CLO2	S	S	S	S	M	M
CLO3	S	S	S	S	M	M
CLO4	S	S	S	S	M	M

S- Strong; M-Medium; L-Low

Syllabus

UNIT-I

8 hrs

Definition of fashion concepts. Terms related to the fashion clothing - fashion, style, fad, classic, collection, chic and custom made, mannequin, silhouette, designer label, mass fashion, knock off/high street, avantgrade, concepts of fashion show, trend, forecasting, high fashion, haute couture. Consumer groups in fashion cycles – fashion leaders, fashion innovators, fashion motivation, fashion victim, fashion followers.

UNIT II

8 hrs

Design - definition, elements and principles of design, design types - natural, stylized, geometric, historic and abstract. Garment design- structural, decorative and functional. Colour - definition, dimensions of colour - colour categories and psychology - colour theories - prang colour system and munsell colour system - colour harmonies.

UNIT - III**9 hrs**

Principles of fashion movement, fashion evolution, fashion cycle - length of fashion cycle, adoption of fashion - trickle down, trickle up and trickle across theory, reverse adoption. Factors influencing fashion changes. Role of costume as a status symbol, personality and dress, clothes as sex appeal, repetition of fashion. Fashion services - video services, newsletter services, web sites, directories and references.

UNIT -IV**8 hrs**

Understanding fashion designer - Indian and global fashion designers. Haute couture - any three Indian fashion designers. World fashion centers - New York, London, Milan, Paris and Los Angeles and any three designers.

UNIT -V**8 hrs**

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

Reference Books

S.No.	Author	Title of the Book	Publishers	Year of publication
1	Gwyneth Moore	Basics Fashion Management 02: Fashion Promotion	AVA Publishing	2012
2	Simon Seivewright and Richard Sorger	Research and Design for Fashion	Bloomsbury	2021
3	Jochen Strähle	Green Fashion Retail	Springer	2016
4	Phyllida Jay	Fashion India	Thames & Hudson	2015
5	Véronique Pouillard	Paris to New York The Transatlantic Fashion Industry in the Twentieth Century	Harvard University Press	2021
6	Andrew Reilly	Key Concepts for the Fashion Industries	Bloomsbury Academic India	2018

Course Designer:

A. Yamunadevi

COURSE NO VG22C03	SEMESTER – II PATTERN MAKING AND GRADING	Category	L	T	P	Credit
		Theory	41	4		3

Preamble

To familiarize the students with drafting patterns, pattern grading, pattern alteration and pattern layout.

Course Learning Outcomes

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

CLO Number	CLO Statement	Knowledge Level
CLO1	Prepare body measurement chart for standartision	K1
CLO2	Analyse different types of pattern making for basic and stylized pattern	K4
CLO3	Develop remedies for pattern alteration to create good fit.	K4
CLO4	Experiment with pattern layouts to prepare fabric for fabric cutting.	K3

Mapping with Programme Learning Outcomes

CLOS	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6
CLO1	S	S	M	M	M	M
CLO2	S	S	M	M	M	M
CLO3	S	S	S	S	M	M
CLO4	S	S	M	S	S	M

S- Strong; M-Medium; L-Low

Syllabus

UNIT I

8 hrs

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

UNIT II

8 hrs

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

UNIT III

8 hrs

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

UNIT IV**8 hrs**

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

UNIT V**9 hrs**

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

Reference Books

S.No.	Author	Title of the Book	Publishers	Year of publication
1	Mary Mathews	Practical clothing construction	Cosmic press Chennai	1986
2	Gerry cooklin	Pattern Grading for women's clothing	Blackwell Science Ltd	1990
3	Zarapker.	Zarapker system of cutting	Navneet publications Ltd	2006
4	Helen Joseph Armstrong	Patternmaking for Fashion Design	Pearson Education/Prentice Hall	2010
5	Padmavati	Techniques of Drafting and Pattern Making	Atlantic Publishers and Distributors	2022

Course Designer:

A.Yamunadevi

COURSE NO VG22P03	SEMESTER – II FASHION ILLUSTRATION LAB I (PRACTICAL)	Category	L	T	P	Credit
		Practical			90	6

Preamble

To give a thorough knowledge on illustrating the parts of the garments, accessories, head theories, colour theories, colour harmony, elements and principles of design.

Course Learning Outcomes

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

CLO Number	CLO Statement	Knowledge Level
CLO1	Illustrate the motif of the embellishment.	K2
CLO2	Illustrate elements and principles of design, colour theories and harmonies.	K3
CLO3	Design in details, garment components and accessories.	K4
CLO4	Develop designs for different seasons.	K4

Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6
CLO1	M	S	S	M	L	M
CLO2	S	S	S	M	L	M
CLO3	S	S	S	M	L	M
CLO4	S	S	L	M	M	M

S- Strong; M-Medium; L-Low

Syllabus

- Motif development - lines dots, checks and curves. Enlarging and reducing any two motifs. **6 hrs**
- Object drawing and shading concepts. Drape of fabrics and shading with different mediums. **4 hrs**
- Application of elements of design in garments-line, colour, texture, shape, size. **8 hrs**
- Application of principles of design in garments- harmony, emphasis, proportion, rhythm, balance. **8 hrs**
- Preparing samples for dimensions of colour – hue, value and intensity. **4 hrs**
- Preparation of samples for prang colour chart. **4 hrs**
- Application of colour harmonies – monochromatic colour harmony, analogous colour harmony, complimentary colour harmony, double complementary colour harmony, split complementary colour harmony, triad colour harmony and Tetrad. **8 hrs**
- Rendering prints and textures for different fabrics (woven, knitted and non-woven). **8 hrs**

9. Illustrating details of pleats, ruffles, shearing, smocking and gathering. **6hrs**
10. Illustrating garment components - pockets, sleeves, yokes, skirts, trousers and tops. **6hrs**
11. Illustrate garments for different season – spring, summer, autumn and winter with background. **10hrs**
12. Design Development (Men's/Women's/Children's) **10hrs**
- Research
 - Finalization of Theme
 - Sourcing
 - Fabric Board
 - Color board
 - Finalization of Designs
13. Product Development **8hrs**
- Flat sketch to Final Sketch based on theme
 - Preparation of Mood board
 - Photo shoot

Course Designer:

A.Yamunadevi

COURSE NO VG22P04	SEMESTER – II APPAREL DESIGN AND DEVELOPMENT LAB -I (PRACTICAL)	Category	L	T	P	Credit
		Practical			105	7

Preamble

To familiarize the students with designing, drafting and construction of garments.

Course Learning Outcomes

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

CLO Number	CLO Statement	Knowledge Level
CLO1	Illustrate the design of the garment for variation	K3
CLO2	Develop basic pattern for the garments and manipulate for variation.	K4
CLO3	Construct the garment with suitable fabric and accessories.	K4
CLO4	Estimate the cost of the developed apparel.	K2

Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6
CLO1	M	S	S	S	M	S
CLO2	S	S	S	S	M	S
CLO3	S	S	S	S	M	S
CLO4	S	S	S	M	S	S

S- Strong; M-Medium; L-Low

Syllabus

1. Designing and pattern development - baby set (bib, panty, baby wrapper, mittens and zabra). **4 hrs**
2. Garment development and cost estimation - baby set (bib, panty, baby wrapper, mittens and zabra). **6 hrs**
3. Designing and pattern development - baba suit. **4 hrs**
4. Garment development and cost estimation - baba suit. **6 hrs**
5. Designing and pattern development - yoke frock with variation. **4 hrs**
6. Garment development and cost estimation - yoke frock with variation. **8hrs**
7. Designing and pattern development - ladies kurtha with different designs. **4 hrs**
8. Garment development and cost estimation -ladies kurtha with different designs. **14hrs**
9. Designing and pattern development - salwar or churithar. **4 hrs**
10. Garment development and cost estimation - salwar or churithar. **14hrs**
11. Designing and pattern development - pyjama – elastic/tape attached waist. **6hrs**
12. Garment development and cost estimation - pyjama – elastic/tape attached waist. **13hrs**
13. Design Development (any one Garment) **6 hrs**
 - Research

- Finalization of Theme
- Sourcing
- Finalization of Designs
- Measurements and Specification sheets

14. Pattern Development

4 hrs

- Development of Basic Blocks
- Pattern Making and Layout

15. Product Development

8hrs

- Construction on actual fabric
- Compose the above details as portfolio sheets
- Photo shoot

Course Designer:

A. Yamunadevi

COURSE NO VG22C04	SEMESTER – III TEXTILE SCIENCE	Category	L	T	P	Credit
		Theory	43	2		3

Preamble

To develop the knowledge of all the process taking place from fiber to fabric

Course Learning Outcomes

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

CLO Number	CLO Statement	Knowledge Level
CLO1	Identify the textile fiber	K1
CLO2	Understand the properties and manufacturing process for different fibers	K2
CLO3	Explain the process involved in yarn formation, weaving and knitting.	K2
CLO4	Analysis the procedure involved in other fabrication methods	K4

Mapping with Programme Learning Outcomes

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

S- Strong; M-Medium; L-Low

Syllabus

Unit I

8 hrs

Definition of textile fibers, Classification of fibers. Properties and manufacturing process of natural fibers- Cotton, linen, Jute, pineapple, hemp, silk, wool hair fibers.

Unit II

9 hrs

Properties and manufacturing process of manmade fibers -Viscose Rayon, Polyester, Nylon, Nylon 66, acrylic, polypropylene and new manmade fiber.

Unit III

9 hrs

Definition and Sequential process of spinning -Blending, opening, cleaning, doubling, carding, drawing, roving, spinning. Classification of yarn – Simple and Fancy yarns. Sewing thread and its properties.

Unit IV

8 hrs

Weaving- Sequential process in weaving- winding, warping, sizing, beaming, weaving. Types of weaves - basic weaves – Plain, twill, satin, Fancy weaves- pile, double cloth, leno, swivel, dobby and jacquard.

Unit V**9 hrs**

Knitting- Definition –classification, Types of knitting. Weft knitting-Single jersey, rib, interlock, jacquard, Warp knitting – Tricot, Rachel. Non- wovens -Definition, Types of non-wovens, manufacturing process and properties of felting, fusing, bonding, lamination, braiding.

Reference Books

S.No.	Author	Title of the Book	Publishers	Year of publication
1	Deepali Rastoga	Textiles Science	Orient Blackswan Publishers	2017
2	K. Thangamani	Fabric Manufacturing Technology: Weaving and Knitting	CRC Press	2022
3	Tom Cassidy	Textile and Clothing Design Technology	CRC publications	2020
4	S.J.Russell	Handbooks of Nonwovens	Elseiver Science	2022

Course Designers:

V.S.Karpagavalli

COURSE NO VG22A02	SEMESTER - III EXPORT MANAGEMENT	Category	L	T	P	Credit
		Theory	43	2		3

Preamble

To impart knowledge on processes involved in exports.

Course Learning Outcomes

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

CLO Number	CLO Statement	Knowledge Level
CLO1	Demonstrate knowledge on export and export trade statistics.	K3
CLO2	Examine the steps involved in setting up export business and promotion schemes.	K4
CLO3	Analyse the sources for export finance and export payment terms.	K4
CLO4	Evaluate the different steps in export documentation and procedures.	K4

Mapping with Programme Learning Outcomes

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

S- Strong; M-Medium; L-Low

Syllabus

UNIT I

8 hrs

Basics of Foreign trade and its significance. Role of WTO and regional economic groups in foreign trade. Foreign trade statistics of textiles and apparel and sources of the statistics - Prospects for Indian apparel exports and SWOT analysis of Indian Textiles and Clothing Sector. Role of Import Promotion Councils in importing countries.

UNIT II

9 hrs

Setting up of an export business - export marketing organization, product planning for export markets, export pricing and costing, International Commercial (Inco) Terms. Export correspondence - negotiations for export business. Online Export Marketing using Social media advertisement pages.

UNIT III

9 hrs

Highlights of Foreign Trade Policy 2023-2028. Role & functioning of DGFT, IIFT and Export Promotion Councils (like AEPC, HEPC etc.) Various schemes for export promotion- Duty drawback, duty exemption, duty remission (RoDTEP & RoSCTL), Advance Authorisation Scheme of Apparels, EPCG, District Export Hubs, E-Commerce Exports, Functioning of EOU, free trade zones, special economic zones, schemes like market access initiative, market development assistance, brand promotion, Recognition of Export houses (Status ratings), bonded ware house zones.

UNIT IV**8 hrs**

Basic concepts of foreign exchange – Foreign exchange risk management. International Commercial Terms - Letter of Credit – Type of Letter of Credit – Parties to Letter of Credit. Export Financing - Pre-Shipment finance - Post Shipment Finance - EXIM Bank of India - ECGC - Demand Guarantees and Standby Letter of Credit.

UNIT V**9 hrs**

Export Procedure in Shipment – Inspection and Customs Clearance procedures. Shipping formalities. Export Documentation - types - transport documents, commercial documents, and regulatory documents. Marine Insurance General Information on Shipping - Types of Containers - Containerization - Air Transportation. Export packaging. Negotiation of documents and realization of export proceeds and procedure for obtaining various export incentives.

Reference Books

S.No.	Author	Title of the Book	Publishers	Year of publication
1.	Khushpat S. Jain	Export Import Procedures & Documentation	Himalaya Publishing House	2011
2	Francis Cherunilam	International Business	PHI Learning Private Ltd	2009
3	P. SubbaRao	International Business	Himalaya Publishing House	2012
4	<u>P K Khurana</u>	Export Management	Bookage Publications	2019
5	Joost H.B. Pauwelyn	International Trade Law	Aspen Publishing	2016
6	D.C. Kapoor	Export Management	Vikas Publications	2009

Online Reference:

- www.commerce.gov.in
- https://www.apecindia.com/pdfs/Start_up_kit_booklet.pdf

Course Designers:

V.Karpagavalli

COURSE NO VG22P05	SEMESTER - III DRAPING - PRACTICAL	Category	L	T	P	Credit
		Practical	-	-	90	6

Preamble

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

Course Learning Outcomes

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

CLO Number	CLO Statement	Knowledge Level
CLO1	To know the various components of the garment and learn the preparation of fabric.	K1
CLO2	Illustrate the design for draping.	K2
CLO3	To create the components of the garment using draping technique.	K3
CLO4	Experiment various garment designs using draping method.	K4

Mapping with Programme Learning Outcomes

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

S- Strong; M-Medium; L-Low

Syllabus

1. Introduction to draping and dress forms	5Hrs
2. Draping basic front and back	5 Hrs
3. Draping Sleeves- Basic sleeve, Raglan sleeve.	10 Hrs
4. Draping collars- Peter pan, Mandarin and Shawl Collar	10 Hrs
5. Draping yokes - Shirt yoke, Skirt yoke	10 Hrs
6. Draping yokes - midriff yoke	10 Hrs
7. Draping basic skirts –Plain skirt, Pleated skirt	10 Hrs
8. Draping basic skirts –Flare skirt	10 Hrs
9. Draping Male Garment - Basic T-Shirt	10 Hrs
10. Draping Male Garment - Bermudas	10 Hrs

Course Designers:

V.S.Karpagavalli

COURSE NO VG22P06	SEMESTER – III FASHION ILLUSTRATIONLAB II (PRACTICAL)	Category	L	T	P	Credit
		Practical	-	-	105	7

Preamble

The students will be able to gain knowledge and develop the skill of sketching and fashion designs.

Course Learning Outcomes

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

CLO Number	CLO Statement	Knowledge Level
CLO1	Prepare flat sketches for human figure as fashion croquis in different views children, women and men's garments.	K3
CLO2	Illustrate details of different features of fashion figures.	K3
CLO3	Design flat sketches for different occasions, magazines, selected theme and brand.	K4
CLO4	Design traditional costumes of India	K4

Mapping with Programme Learning Outcomes

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

S- Strong; M-Medium; L-Low

Syllabus

1. Illustrating Human Figure in Proportion Using 8 Head Theory men/women –Stick Figure, Fleshy figure. **5 Hrs**
2. Conversion of normal figure into fashion croquis (9 to 12 head theory), plus size figures. **5 Hrs**
3. Illustrating detail -Eyes, Ears, Nose, Lips, Fingers, Feet, Hand and Legs **5 Hrs**
4. Illustrating fashion figure – in Front View, Back View, Side View **5 Hrs**
5. Different postures of fashion figure- S, X and T pose. **5 Hrs**
6. Create Flat Sketches for Children - Casual Wears, Night Wear and Picnic Wear with Back Ground. **5 Hrs**
7. Designing Flat Sketches for bridal wear with back ground. **6 Hrs**
8. Designing Flat Sketches for party wear with back ground. **6 Hrs**
9. Designing Flat Sketches for office wear and Uniform wear with back ground. **8 Hrs**
10. Designing Flat Sketches for sportswear, party wear and lingerie wear with back ground. **6 Hrs**
11. Design and Illustrate traditional costume any two states of India. **6 Hrs**
12. Create Fashion Illustration from Magazines/photography. **8 Hrs**
13. Designing garment with croquis from selected theme/inspiration. **8 Hrs**
14. Creating a collection for your brand. **8 Hrs**

- 15.** Design Development (Men's/Women's/Children's) **10 Hrs**
- Research
 - Finalization of Theme
 - Sourcing
 - Fabric Board
 - Color board
 - Finalization of Designs
- 16.** Product Development **8 Hrs**
- Flat sketch to Final Sketch based on theme
 - Preparation of Mood board
 - Photo shoot

Course Designers:

V.S.Karpagavalli

COURSE NO VG22A03	SEMESTER - IV TEXTILE PROCESSING	Category	L	T	P	Credit
		Theory	43	2		3

Preamble

To gain knowledge on textile preparatory process. To study about dyes, dyeing and printing methods. To know about different finishes.

Course Learning Outcomes

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

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

Mapping with Programme Learning Outcomes

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

S- Strong; M-Medium; L-Low

Syllabus

UNIT I

8 hrs

Primary sequential processes and methods - Singeing, desizing, scouring, bleaching. Synthetic fiber - heat setting, wool - carbonizing, weighting of silk. Dry Processing equipment - wet processing equipment - kier - J box - pad roll - U box - Roller bed - Conveyor steamer - stenter.

UNIT II

9 hrs

Mercerization - theory process - methods - chemicals - effects. Bleaching - hypo chlorites - hydrogen peroxide - sodium chloride. Equipments and chemicals for bleaching of cotton, viscose, cotton/ viscose, polyester/ cotton. Evaluation of bleached fabric - whiteness - absorbency - chemical damage - residues. Wet processing of Knitted fabric - scouring - bleaching - dyeing - printing - calendaring. Shrink controlling - steaming.

UNIT III

8 hrs

Dyeing - classification of colorants - fastness properties of dyes. Dyeing machines - fiber, yarn and fabric dyeing machines - loose stock fiber bale - hank package - jigger - winch - HT Beam jet - padding mangles. Garment dyeing machines.

UNIT IV**9 hrs**

Printing - styles of printing - direct - discharge - resist styles. Methods of printing - screen printing - automatic screen printing - roller printing - rotary printing - transfer printing. Fixation and after treatment. Implementation of recent printing techniques in textile processing industries

UNIT V**9 hrs**

Textile Effluent Management - Introduction to textile effluents - types of effluents –concept of zero discharge - sludge disposal -analysis of effluents. Treatment of textile effluents -flocculation, coagulation, oxidation, sedimentation and filtration. Structure of effluent treatments plants, reuse of textile waste water.

Reference Books

S.No.	Author	Title of the Book	Publishers	Year of publication
1	H. Panda	The Complete Book On Textile Processing And Silk Reeling Technology	NIIR Project Consultancy Services	2010
2	J. N. Shah	Guide to Wet Textile Processing Machines	Elsevier Science & Technology	2015
3	D. Gopalakrishnan	Basics of Textile Chemical Processing	Daya Publishing House	2016
4	J. N. Chakraborty	Fundamentals and Practices in Colouration of Textiles	Woodhead Publishing	2015
5	Jamshed A Khan	Eco-Friendly Textile Dyeing and Finishing	Scitus Academics LLC	2016
6	Dueep Jyot Singh	Learn the Art of Natural Dyeing	JD-Biz Corp Publishing	2016
7	Dr.N.N.Maha patra	Modern Textile Processing	Abhishek Publication	2022

Course Designer:

V.S.Karpagavalli

COURSE NO VG22C05	SEMESTER - IV TEXTILE TESTING	Category	L	T	P	Credit
		Theory	43	2		3

Preamble

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

Course Learning Outcomes

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

CLO Number	CLO Statement	Knowledge Level
CLO1	Analyse the properties of fiber and yarn by textile testing.	K3
CLO2	Demonstrate the properties of fabric by textile testing.	K3
CLO3	Explain the testing methods for fiber, yarn and fabric	K4
CLO4	Explain the testing procedure and calculation method for fiber, yarn and fabric testing	K4

Mapping with Programme Learning Outcomes

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

S- Strong; M-Medium; L-Low

Syllabus

UNIT I

8 Hrs

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

UNIT II

9 Hrs

Fiber testing: fiber length - bear sorter and fibrograph. Fiber strength - stelometer, fiber fineness - micronaire, fiber maturity, trash content - trash analyzer.

UNIT III

9 Hrs

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

UNIT IV

8 Hrs

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

UNIT V**9 Hrs**

Drape - drape meter. Fabric stiffness - Shirley stiffness tester, Colour fastness-water, light and rubbing, dimensional stability, absorbency, crease recovery - Shirley crease recovery tester - air permeability - flame retardant.

Reference Books

S.No.	Author	Title of the Book	Publishers	Year of publication
1	J.E. Booth	Principles of textile testing	C.B.S., publishers & distributors, New Delhi	1996
2	Sabville B.P.	Physical Testing of Textiles	Wood head Publishing Ltd., Cambridge.	1999
3.	K.Amutha	A Practical Guide to Textile Testing	WPI	2016
4.	Patricia A Annis	Understanding and Improving the Durability of Textiles	Elsevier Science	2012
5.	D. Gopalakrishnan	Textile Testing	DAYA Publishing House	2020
6.	Fabric Testing	Textile Institute (Manchester, England)	Elsevier Science	2008
7.	D. Gopalakrishnan	Textile Testing	Bio Green	2020
8.	Devandra Raghav	Introduction to Fabric Testing and Textile Industry	Cyber Tech Publication	2021

Course Designer:

V.S.Karpagavalli

COURSE NO VG22P07	SEMESTER - IV TEXTILE TESTING AND ECOFRIENDLY PROCESSING LAB (PRACTICAL)	Category	L	T	P	Credit
		Practical			120	7

Preamble

To enable the students to gain practical knowledge in testing, dyed sample and its application in the industry.

Course Learning Outcomes

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

CLO Number	CLO Statement	Knowledge Level
CLO1	Classify the chemicals needed for preparatory process of textile processing.	K2
CLO2	Identify the suitable dye for given sample.	K3
CLO3	Prepare the sample for the different testing methods.	K4
CLO4	Analyse the properties of the sample after treatment.	K4

Mapping with Programme Learning Outcomes

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

S- Strong; M-Medium; L-Low

Syllabus

- I. Preparation of samples for Processing (Eco friendly process) **5 hrs**
 1. Bio Desizing
 2. Bio Scouring
 3. Bio Polishing

- II. Dye the given fabric using suitable plant based natural dye - any five (single and Combination)
 4. Leaf Source - indigo (leaves) and Flower Source - Sun yellow (Marigold) **5 hrs**
 5. Bark Source - Kamala (bark) **5 hrs**
 6. Fruit Source - Mallow gold (Pomegranate fruit) **6 hrs**
 7. Vegetable Source - Onion peel (Vegetable) **6 hrs**

- III. Removal of stains:
 8. Stain removal (cosmetics, food stains, grease, blood stains) **9 hrs**

IV. Testing of yarns/ fabrics

- | | |
|--|---------------|
| 9. Determining the counting of the yarn using wrap reel. | 12 hrs |
| 10. Determining the counting of the yarn using beesley's balance | 12 hrs |
| 11. Determining the twist of the yarn using twist tester | 12 hrs |
| 12. Determining the fabric count | 12 hrs |
| a. Raveling method | |
| b. Pick Glass method | |
| 13. Determining the Colour fastness. | 12 hrs |
| a. Washing | |
| b. Light | |
| 14. Determining the absorbency test. | 12 hrs |
| 15. Determining the tensile strength of the given fabric. | 12 hrs |

Course Designer:

V.S.Karpagavalli

COURSE NO VG22P08	SEMESTER – IV APPAREL DESIGN AND DEVELOPMENT LAB II – (PRACTICAL)	Category	L	T	P	Credit
		Practical			120	7

Preamble

Imparts advanced technical skills required for designing, pattern making, cutting and garment construction.

Course Learning Outcomes

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

CLO Number	CLO Statement	Knowledge Level
CLO1	Illustrate the design of the garment for variation	K3
CLO2	Develop basic pattern for the garments and manipulate for variation.	K4
CLO3	Construct the garment with suitable fabric and accessories.	K4
CLO4	Estimate the cost of the developed apparel.	K2

Mapping with Programme Learning Outcomes

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

S- Strong; M-Medium; L-Low

Syllabus

1. Designing and pattern development – Top and skirt. **5 Hrs**
2. Garment development and cost estimation - Top and skirt. **12 Hrs**
3. Designing and pattern development - Smart casual wear. **5 Hrs**
4. Garment development and cost estimation - Smart casual wear. **12 Hrs**
5. Designing and pattern development - S.B.Vest. **5 Hrs**
6. Garment development and cost estimation - S.B.Vest. **12 Hrs**
7. Designing and pattern development - Night dress with two piece/three piece. **5 Hrs**
8. Garment development and cost estimation - Night dress with two piece/three piece **12 Hrs**
9. Designing and pattern development - Parallel pant/ cargos. **6 Hrs**
10. Garment development and cost estimation - Parallel pant/ cargos. **12 Hrs**
11. Designing and pattern development - T Shirts. **6 Hrs**
12. Garment development and cost estimation - T Shirts. **12 Hrs**
13. Design Development (any one Garment) **6 hrs**
 - Research
 - Finalization of Theme
 - Sourcing
 - Finalization of Designs

- Measurements and Specification sheets
14. Pattern Development **5 hrs**
- Development of Basic Blocks
 - Pattern Making and Layout
15. Product Development **5 hrs**
- Construction on actual fabric
 - Compose the above details as portfolio sheets
 - Photo shoot

Course Designer:

V.S.Karpagavalli

COURSE CODE	COURSE NAME	Category	L	T	P	Credit
VG22C06	TEXTILE PRINTING TECHNIQUES	Theory	43	2	-	3

Preamble

To impart knowledge on textile printing techniques.

Course Learning Outcomes

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

CLO Number	CLO Statement	Knowledge Level
CLO1	Identify the differences between printing and dyeing	K1
CLO2	Describe the types of printing methods.	K2
CLO3	Explain the procedure involved in different methods of printing	K2
CLO4	Examine the process sequence, techniques and equipments used for printing	K3

Mapping with Programme Learning Outcomes

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

S- Strong; M-Medium

Syllabus

UNIT-I

9 Hrs

Printing – Introduction to printing, differences between printing and dyeing, preparation of fabric for printing – cotton, linen, polyester, wool and silk, methods of printing, preparation of printing paste, selection of thickening agents. **Natural print paste - manufacturing process and methods.**

UNIT-II

9 Hrs

Types of printing – classification - direct printing -block printing – preparation of design, blocks, table, print paste and printing process. Stencil printing – preparation of fabric, stencils (for one or more colour). **Materials used for preparing stencils, process involved and techniques used.**

UNIT-III

8 Hrs

Screen printing – flat screen and rotary screen printing, Preparation of screen and printing paste, screen printing process. **Discharge printing – chemicals used, process involved.**

UNIT - IV

8 Hrs

Resist printing -batik printing - wax used, equipment's required, process sequence and techniques used. **Tie and dye – equipments required, process sequence and techniques used.**

UNIT-V**9 Hrs**

Other printing methods - Ink jet printing, heat transfer printing, photo printing, digital printing and direct to garment printing – equipment required, process, sequence and techniques used. **Latest trends in printing.**

Text Books

S.No	Author	Title of the Book	Publishers	Year and Edition
1	Mahapatra N N	Textile Printing	CRC Press	2024 1 st Edition
2	Amanda Briggs-Goode	Printed Textile Design	Laurence King Publishing	2013 Illustrated Edition
3	Joanna Kinnersly-Taylor	Dyeing and Screen-Printing on Textiles	A & C Black	2003 1 st Edition

Reference Books

S.No	Author	Title of the Book	Publishers	Year and Edition
1	Laurie Wisbrun	The Complete Guide to Designing and Printing Fabric	A & C Black Publishers Ltd	2011 1 st Edition
2	Dr. H.Panda	A Concise Guide on Textile Dyes, Pigments and Dye Intermediates with Textile Printing Technology	Niir Project Consultancy Services	2013 1 st Edition

Related Online Reference

1. <https://www.pidiliteindustrialproducts.com/blogs/fabric-printing-methods-which-printing-technology-to-choose/>
2. <https://textilelearner.net/textile-printing-methods/>

Pedagogy:

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

Course Designer:

V.S. Karpagavalli

COURSE CODE	COURSE NAME	Category	L	T	P	Credit
VG22C07	BOUTIQUE MANAGEMENT	Theory	43	2	-	3

Preamble

To impart knowledge on the procedures involved in setting up of boutique.

Course Learning Outcomes

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

CLO Number	CLO Statement	Knowledge Level
CLO1	Examine business planning and boutique operations	K1
CLO2	Development boutique design and development.	K3
CLO3	Assess marketing and promotional techniques.	K4
CLO4	Appraise financial planning and startup formalities.	K4

Mapping with Programme Learning Outcomes

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

S- Strong; M-Medium

Syllabus

UNIT- I

9 Hrs

Scope for boutiques – creation of business plan for starting a boutique - parts of a business plan – content of a business plan — **competitive analysis and customer study -assessment of feasibility (technical, financial & marketing) - finding the right plan.**

UNIT- II

9 Hrs

Location decision- importance, levels and determining factors. Types of location, types of consumer goods and location decision. **Exterior design, store layout and space management, atmospherics, colour planning, physical materials in store designing**, atmospherics in the context of internet retailing.

UNIT- III

9 Hrs

Business model – online & offline - store design, visual merchandising and display, customer service, budgeting and accounting, money and credit handling, shop lifting prevention, premises maintenance, **systems and staff management, inventory optimization and management, administration and supply chain management.**

UNIT- IV

8 Hrs

Marketing strategies – loyalty programs -sales promotion through advertising, public relations, direct marketing, personal selling and promotion mix. **New marketing strategies- digital marketing, social media leverage – email and influencer marketing – future trends.**

UNIT- V**8 Hrs**

Forms in business organization - registration and licensing- financial support from Government and institutions- taxes - government incentives (financial and non-financial) – **steps and formalities to start a boutique – evaluation and risk prevention activities.**

Text Books

S.No	Author	Title of the Book	Publishers	Year and Edition
1	Michele. M Granger, Tina M. Sterling, Ann Cantrell	Fashion Entrepreneurship	Marissa zorola	2019 2 nd Edition
2	Emily A. Benson	Ultimate Boutique	Stylish and Successful	2019 1 st Edition
3	Greg Alexander	The Boutique: How to Start, Scale, and Sell a Professional Services Firm	Advantage Media Group	2020 1 st Edition
4	Stewart B	Opening Boutique Guide	Createspace Independent Pub	2016 1 st Edition

Reference Books

S.No	Author	Title of the Book	Publishers	Year and Edition
1	Wright C	Business Boutique	Ramsey Press	2017 1 st Edition
2	Dr. Sivaraman. K	Marketing Management	Independently published	2021 1 st Edition

Related Online Reference

- <https://backup.pondiuni.edu.in/sites/default/files/Store%20Location%2C%20design%20and%20visual%20merchandisingt200813.pdf>
- <https://ebooks.inflibnet.ac.in/hsp07/chapter/boutique-management/>

Pedagogy:

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

Course Designer:

V.S. Karpagavalli

COURSE CODE	COURSE NAME	Category	L	T	P	Credit
VG21A04	COURSERA COURSE FASHION MARKETING AND MERCHANDISING	Theory	45	-	-	3

Preamble

To impart knowledge on marketing and merchandising.

Course Learning Outcomes

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

CLO Number	CLO Statement	Knowledge Level
CLO1	Understand the fashion marketing process and consumer psychology	K1
CLO2	Explain marketing strategy and costing	K2
CLO3	Apply the merchandiser function in apparel export.	K3
CLO4	Analysis the sourcing strategy and export of apparels.	K4

Mapping with Programme Learning Outcomes

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

S- Strong; M-Medium

Syllabus

UNIT - I

9 Hrs

Fashion marketing – meaning and importance. Fashion Marketing Process - Size, Structure of fashion market– marketing environment - micro marketing and macro marketing environment – ethical issues in fashion marketing. Need for study of fashion buyer – consumer behavior aspects. Decision-making by fashion consumers.

UNIT - II

9 Hrs

Marketing Strategy, Market Segmentation- Fashion marketing mix. Pricing strategies for new products. Distribution of Fashion services – importance of fashion retailing, trends in retailing, effectiveness of retail marketing. Fashion Marketing - advertising, Sales promotion, Public relations, celebrity endorsement and sponsorship, personal selling, visual merchandising, visual marketing, ethics in marketing communication. Fashion marketing plan.

UNIT - III

9 Hrs

Objectives and elements of costing. Estimating and costing. Factors that determine cost of garments- material cost- cost of yarn, cost of fabric production, width and design of fabric, processing and Accessories. Cost of components – CMT cost - different types of garments.

Shipment cost. Cost calculation of apparel products- woven/knits. Ratio analysis, price / volume analysis. Break even analysis.

UNIT - IV

9 Hrs

Definition of merchandising. Classification of exporters- Manufacturer exporter, Merchant exporter, Job worker (CM/CMT), Functions of merchandising division - Role and responsibilities of a merchandiser-different types of buyers. Communications with the buyers - awareness of current market trends - product development.

UNIT – V

9 Hrs

Need for sourcing-sourcing materials-manufacturing resources planning. Sourcing strategies for overseas sourcing. Supply chain and demand chain analysis- Materials management for quick response. Order confirmation, various types of export documents, Pre-shipment, Post -shipment documentation, Terms of sale, payment, shipment etc.

Text Books

S.No	Author	Title of the Book	Publishers	Year and Edition
1	<u>Philip T. Kotler and Giuseppe Stigliano</u>	Redafining Retail	Wiley Publisher	2024 1 st Edition
2	Jay Diamond and Ellen Diamond	Fashion Advertising and Promotion	Fairchild Books	1998 1 st Edition
3	Mary Wolfe	The World of Fashion Merchandising	Goodheart-Wilcox Pub	2002 1 st Edition

Reference Books

S.No	Author	Title of the Book	Publishers	Year and Edition
1	<u>Mary Wolfe</u>	Fashion Marketing & Merchandising Teacher's Resource Guide	Goodheart-Willcox Publisher	2008 3 rd Edition
2	Mary Wolfe	Fashion Marketing and Merchandising	Goodheart-Wilcox Publisher	2017 5 th Edition

Pedagogy:

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

Pedagogy:

V. S. Karpagavalli

COURSE CODE	COURSE NAME	Category	L	T	P	Credit
VG22P09	SUSTAINABLE TEXTILE PRINTING PRACTICAL	Practical	-	-	75	5

Preamble

To develop skills on various printing technique.

Course Learning Outcomes

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

CLO Number	CLO Statement	Knowledge Level
CLO1	Identify the various process and the methods of eco-friendly printing paste preparation.	K1
CLO2	Estimate the auxiliaries required for printing.	K2
CLO3	Develop designs using various printing techniques	K3
CLO4	Illustrate print designs for various garments	K4

Mapping with Programme Learning Outcomes

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

S- Strong; M-Medium; L-Low

Syllabus

- Create design with block printing – vegetable block and wooden blocks **8 Hrs**
- Create design for chest print/ neck /yoke designs with stencil printing. **7 Hrs**
- Tie and dye designs with any three tie methods with single/ double/multi colours using natural dyes. **10 Hrs**
- Development of a patterned fabric using tie and dye technique. **10 Hrs**
- Batik printing with any three methods with single/ double and multi colours using natural dyes. **10 Hrs**
- Print a design using screen printing methods. **10 Hrs**
- Create a print design with a combination of any two print techniques for a garment. **10 Hrs**
- Evolve a print design for a shawl. **10 Hrs**

Text Books

S.No	Author	Title of the Book	Publishers	Year and Edition
1	Emily Louise Howard	Block Print Magic	Rockport Publishers	2019 1 st Edition
2	Sue Westergaard	Screen printing on Textiles	Crowood	2020 Kindle Edition
3	J. I. Biegelesen	Stencil Making Methods for Screen Printing	Old Hand Books	2012 1 st Edition

Reference Books

S.No	Author	Title of the Book	Publishers	Year and Edition
1	Pepin Van Roojen	Textile Motifs of India	Agile Rabbit	2008 Cdr Edition
2	David Villasenor	Indian Designs	Nature graph Pub	1983 1 st Edition

Pedagogy:

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

Course Designer:

V.S. Karpagavalli

COURSE CODE	COURSE NAME	Category	L	T	P	Credit
VG22P10	DESIGN RESEARCH – PORTFOLIO DEVELOPMENT PRACTICAL	Practical	-	-	105	7

Preamble

To familiarize students with different development and digital techniques used in design research and portfolio development.

Course Learning Outcomes

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

CLO Number	CLO Statement	Knowledge Level
CLO1	Explain knowledge on conducting design research.	K3
CLO2	Indicate characteristics of client profiles for potential customers.	K2
CLO3	Develop croquis and their components digitally for kid, women and men	K4
CLO4	Create digital design collection as fashion illustration	K3

Mapping with Programme Learning Outcomes

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

S- Strong; M-Medium

Syllabus

The following have to be prepared digitally:

1. Curriculum vita and Page of content **5 Hrs**
2. Design and trend research, mind map **6 Hrs**
3. Framing of concepts and ideas **5 Hrs**
4. Boards - Mood board. theme board/story board, colour board **8 Hrs**
5. Boards - Forecast board , fabrics and trims sourcing board **8 Hrs**
6. Client profile **3 Hrs**
7. Illustrate croqui components – hand, leg, face and hair **7 Hrs**
8. Illustrate croquis for kid – front and back view **7 Hrs**
9. Illustrate croquis for women – front and back view, different poses **8 Hrs**
10. Illustrate croquis for men – front and back view, different poses **7 Hrs**
11. Develop flat sketches for kids wear (3 each) **3 Hrs**
12. Develop flat sketches for women’s wear and men’s wear (3each) **8 Hrs**
13. Fashion Illustration presentation board for kids **10 Hrs**
14. Fashion Illustration presentation board for women **10 Hrs**
15. Fashion Illustration presentation board for men **10 Hrs**

Text Books

S.No	Author	Title of the Book	Publishers	Year and Edition
1	Kathryn Hagen (Author), Julie Hollinger	Portfolio for Fashion Designers	Pearson Prentice Hall	2012 1 st Edition
2	Phaidon Editors	The Fashion Book	Phaidon Press Ltd	2022 Revised and Updated Edition
3	Linda Tain	Portfolio Presentation for Fashion Designers	Fairchild Books	2018 4 th Edition

Reference Books

S.No	Author	Title of the Book	Publishers	Year and Edition
1	Studio Bye Bye	Fashion Sketchbook Female Figure Template	Bye Bye Studio	2022 1 st Edition
2	Joanne Barrett	Designing Your Fashion Portfolio	Bloomsbury Publishing India Private Limited	2012 Nil Edition

Pedagogy:

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

Course Designer:

V.S. Karpagavalli

COURSE CODE	COURSE NAME	Category	L	T	P	Credit
VG22P11	APPAREL DESIGN AND DEVELOPMENT PRACTICAL III	Practical	-	-	105	7

Preamble

To impart knowledge on designing, pattern making, cutting and construction of the garments

Course Learning Outcomes

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

CLO Number	CLO Statement	Knowledge Level
CLO1	Illustrate the design of the garment for variation	K2
CLO2	Develop patterns for the garments.	K3
CLO3	Construct the garment with suitable fabric and accessories.	K3
CLO4	Estimate the cost of the developed apparel.	K2

Mapping with Programme Learning Outcomes

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

S- Strong; M-Medium

Syllabus

1. Designing and pattern development - saree blouse with sleeves. **6 Hrs**
2. Garment development and cost estimation- saree blouse with sleeves. **8 Hrs**
3. Designing and pattern development - lehenga with princess cut choli blouse. **6 Hrs**
4. Garment development and cost estimation - lehenga with princess cut choli blouse. **8 Hrs**
5. Designing and pattern development - formal shirt. **6 Hrs**
6. Garment development and cost estimation - formal shirt. **7Hrs**
7. Designing and pattern development - formal trousers. **6 Hrs**
8. Garment development and cost estimation - formal trousers. **7 Hrs**
9. Designing and pattern development - western wear. **6 Hrs**
10. Garment development and cost estimation - western wear. **7 Hrs**
11. Designing and pattern development - uniform wear (hospital wear). **6 Hrs**
12. Garment development and cost estimation -uniform wear (hospital wear). **8 Hrs**
13. Design Development (any one Garment) **12 hrs**
 - Research and theme
 - Design finalization and material sourcing
 - Measurements and specification sheets

14. Product Development

12 hrs

- Pattern development and layout
- Garment construction and image capture
- Convert to design sheets

Text Books

S.No	Author	Title of the Book	Publishers	Year and Edition
1	Armstrong	Patternmaking for Fashion Design	Pearson Education India	2013 5 th Edition
2	Isabel Sanchez Hernandez and Lucia Mors de Castro	Practical Pattern Making	Firefly Books Ltd	2015 1st Edition
3	Alison Smith MBE	The Dressmaking Book	DK Publishers	2021 1st Edition

Reference Books

S.No	Author	Title of the Book	Publishers	Year and Edition
1	Alison Smith MBE	The Sewing Book	DK Publishers	2018 2 nd Edition
2	Dr. M. Sumithra	Advanced Garment Construction	Woodhead Publication	2021 1 st Edition

Pedagogy:

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

Course Designer:

V. S. Karpagavalli