



**PSGR Krishnammal College for Women**



College of Excellence, **nirf** 2021-6<sup>th</sup> Rank  
Autonomous and Affiliated to Bharathiar University  
Reaccredited with A<sup>++</sup> grade by NAAC, An ISO 9001:2015 Certified Institution  
Peelamedu, Coimbatore-641004

## **DEPARTMENT OF B.VOC GARMENT DESIGNING**

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


#### **B.VOC GARMENT DESIGNING (B.VOC GD)**

**2021 – 2024 BATCH**



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### PROGRAMME LEARNING OUTCOMES (PLO's)

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

**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 standard and quality of the fabric or garment.

**PLO5:** To create fashion portfolio for garment designs will be created either manually or using software and to become an entrepreneur.

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

The students at the time of graduation will

**PSO1:** To 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:** To 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:** To provide consultancy services to the garment industry and also boutiques in the areas like visual merchandising, retail marketing, buying & selling.

**PSO4:** To run training centres for fashion illustration, fashion designing, fashion embroidery, dyeing & printing and entrepreneurial development.



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**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) – 2021-2024 BATCH**

Level 4

Job role: Sewing machine Operator, Hand Embroider

Se m	Part	Subject Code	Title of the paper		Hrs/ Ins Week	Contact hrs	Tutorial	Duration of Exam	Exam Marks			Credits
									CA	ES E	Tot al	
I	I	VTM2101/ VHN2101/ VFR2101	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	VG21A01	Business Communication (Allied)	GE	4	56	4	3	50	50	100	4(G)*
	III	VG21C01	Fundamentals of sewing & machineries – Paper I	CC	4	56	4	3	50	50	100	4(S)**
	III	VG21P01	Basics in Garment Designing –Practical	CC	7	90	-	3	50	50	100	6(S)**
	III	VG21P02	Surface Ornamentation - Practical II	CC	7	90	-	3	50	50	100	6(S)**
	IV	NME21ES/ NME19B1 NME19A1	Foundation Course (Introduction to Entrepreneurship /Basic Tamil- I/Advanced Tamil-I)	AEC	2	26	4	3	100	-	-	2 (G)*
	III	VGINST1	Internship I		( 60 hours)						100	2(S)**

Level 5

Job Role: Sampling coordinator, Junior Fashion Designer

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	
II	I	VTM2102/ VHN2102/ VFR2102	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	VG21AP1	Basic illustration and fashion concepts – Allied Practical I	GE	5	60	-	3	50	50	100	4(G)*
	III	VG21C02	Textile Science – Paper II	CC	5	71	4	3	50	50	100	5(S)**
	III	VG21C03	Pattern making and grading- Paper	CC	5	71	4	3	50	50	100	5(S)**
	III	VG21P03	Garment Construction -I Practical III	CC	7	90	-	4	50	50	100	6(S)**
	IV		Open Course (Self study Online Course)		-	-	-	-	-	-	-	Completion certificate
	IV		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)*
	III	VGINST2	Internship II			( 60 hours)					100	2(S)**

Level 6  
Job role: Export Manager

Sem	Part	Subject Code	Title of the paper		Hrs/	Contact hrs	Tutorial hrs	Duration of Exam	Exam Marks			Credits
					Ins Week				CA	ESE	Total	
III	III	VG21C04	Concepts of Fashion and Design	CC	3	41	4	3	50	50	100	3(G)*
	III	VG21C05	Export Management	CC	4	56	4	3	50	50	100	4(G)*
	III	VG21A02	Introduction to accountancy - Allied	GE	3	41	4	3	50	50	100	3(G)*
	III	VG21P04	Draping - Practical	CC	4	60	-	3	50	50	100	4(S)**
	III	VG21P05	Fashion Illustration- Practical	CC	7	90	-	3	50	50	100	6(S)**
	III	VG21P06	Garment Construction II - Practical	CC	7	90	-	4	50	50	100	6(S)**
	III	VGINST3	Internship III	( 60 hours)							100	2(S)**
	IV	NM21UHR	Universal Human Values and Human Rights	AEC	2	2	26	4	100	-	100	2(G)*
	IV	NM21EVS	Environmental Studies	AEC		-	-	-	100	-	-	Grade

Sem	Part	Subject Code	Title of the paper		Hrs/Week	Contact hrs	Tutorial hrs	Duration of Exam	Exam Marks			Credits
									CA	ESE	Total	
IV	III	VG21C06	Textile Processing	CC	4	41	4	3	50	50	100	3(G)*
	III	VG21C07	Textile Testing	CC	4	41	4	3	50	50	100	3(G)*
	III	VG21A03	Traditional costumes and textiles of India	CC	4	56	4	3	50	50	100	4(G)*
	III	VG21P07	Sustainable Textile Processing Lab (Practical)	CC	4	60	-	3	50	50	100	4(S)**
	III	VG21P08	Textile Testing Lab (Practical)	CC	6	90	-	3	50	50	100	6(S)**
	III	VG21P09	Garment Construction III - Practical	CC	6	90	-	4	50	50	100	6(S)**
	III	VGINST4	Internship IV			( 60 hours)					100	2(S)**
	IV	NM21DTG	Design Thinking –	Finishing school – Part A	2	26	4	-	100	-	100	2(G)*
	V		Extension Activities NSS/ NCC/ YRC/ Sports and Games/ Ecowatch/ YiNet/ Rotract	AEC	-	-	-	-	-	100	100	1(S)*

**Level 7**  
**Job role: Boutique Manager**

Sem	Part	Subject Code	Title of the paper		Ins Hrs/ Week	Contact hrs	Tutorial hrs	Duration of Exam	Exam marks			CRE DITS
									CA	ESE	TOTAL	
V	III	VG21C08	Textile Printing Techniques	CC	4	58	2	3	50	50	100	3(G)*
	III	VG21C09	Boutique management	CC	4	58	2	3	50	50	100	3(G)*
	III	VG21A04	Coursera – Fashion Marketing and Merchandising (Allied)	CC	3	45	-	-	-	-	100	3(S)**
	III	VG21P10	Sustainable Textile Printing Lab (Practical)	CC	6	90	-	3	50	50	100	6(S)**
	III	VG21P11	Computer Aided Garment Designing I– Practical	CC	6	90	-	3	50	50	100	6(S)**
	III	VG21P12	Design Research (Practical)	CC	5	75	-	3	50	50	100	4(S)**
	III	VGINST5	Internship V		(120 hours)						100	4(S)**
			Community service		30 hours						-	-
	IV	NM21CS1	Cyber Security –level I	AEC	2		30	-	-	100	- 100	Grade

**Coursera Course: Fashion Marketing /VG21A04**

S.No	Topics of the Course	Link of the Course	Duration of Hours
1	Fashion retail transformation	<a href="https://www.coursera.org/learn/fashion-retail-transformation">https://www.coursera.org/learn/fashion-retail-transformation</a>	10
2	Fundamentals of social media advertising	<a href="https://tinyurl.com/2cm9hen9">https://tinyurl.com/2cm9hen9</a>	09
3	Pricing strategy	<a href="https://www.coursera.org/learn/pricing-strategy">https://www.coursera.org/learn/pricing-strategy</a>	14
4	Management of fashion and luxury companies	<a href="https://www.coursera.org/learn/mafash">https://www.coursera.org/learn/mafash</a>	12

**\* General Component**

**\*\* Skill Component**

Note: 1 credit is 15 hrs

Internship 1 credit is 30 hrs

CC – Core Courses

GE – Generic Elective

AEC – Ability Enhancing Course

CA – Continuous Assessment

ESE - End Semester Examination



COURSE NO VG21A01	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.	K1
CLO3	Describe the concepts of Interpersonal communication, and intercultural communication.	K2
CLO4	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	K2
CLO5	Demonstrate the critical thinking skills to produce successful letters or emails; agenda and minutes and participation in meetings in any given context or situation.	K3

### Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5
CLO1	S	S	S	L	L
CLO2	S	S	S	L	L
CLO3	S	S	S	L	L
CLO4	S	S	S	L	M
CLO5	S	S	S	L	L

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 etiquette and email etiquette\*.

\*-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 VG21C01	SEMESTER - I FUNDAMENTALS OF SEWING AND MACHINERIES	Category	L	T	P	Credit
		Theory	56	4		4

### Preamble

To impart a thorough knowledge of different types of sewing machines, parts of sewing machine, maintenance of the machine, special attachments, care and maintenance of the machines, safety measures and the common problems that occur in the machine and its remedies. To impart a thorough knowledge related to garment industries 4.0.

### Course Learning Outcomes

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

CLO Number	CLO Statement	Knowledge Level
CLO1	Identify the parts of the machine and label it.	K1
CLO2	Describe the function of the sewing machine parts.	K2
CLO3	Find the fault of the machine and rectify it.	K3
CLO4	Analyse the importance of inspection procedure in garment industry	K4
CLO5	Identify the applications and Tools in garment Industries 4.0	K3

### Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5
CLO1	S	S	S	M	L
CLO2	S	S	M	M	L
CLO3	M	S	M	M	L
CLO4	M	M	M	L	S
CLO5	S	M	L	M	L

S- Strong; M-Medium; L-Low

### Syllabus

#### UNIT-I

12 hrs

Sewing Machineries- Classification of sewing machines, Types of sewing machines - single and double needle machine, parts and functions of single needle machine, Special attachments – various type of presser foot, care and maintenance. Common stitching problems and remedies. Common machine problems and the method to rectify.

**UNIT-II****12 hrs**

Parts of the sewing machines and their functions. Feed mechanisms, Needles, bobbin and bobbin case, loops and loop Spreader, auxiliary hooks, throat plates, take -ups, tension discs. Basics tools for machine maintenance. Different types of cleaning equipment and their use. Lubrication- Purpose of lubrication, oil used for machines, thread lubrication.

**UNIT – III****11 hrs**

Types of problems and identification. Different techniques and defects during stitching and their remedies. The importance of marking and segregating rejects and alterations. Inspection and quality control in garment industry. Inspection procedure for protective garment.

**UNIT – IV****11 hrs**

Occupational health and safety measures and methods. Personal protective tools, handling and storage of hazardous substances. Proper disposal system for waste and by-products. Signage related to health and safety and their meaning. Production targets in garment industry.

**UNIT – V****10 hrs**

Introduction related to garment industries 4.0 - need – Reasons for Adopting garment related Industries 4.0 - Definition – Goals and Design Principles - Technologies of Textile related Industries 4.0- Skills required for garment industries 4.0- Advancements in garment related Industries 4.0 – Impact of textile related industries 4.0 on Society, Business, Government and People - Introduction to garment industries 5.0

**Reference Books**

S.No.	Author	Title of the Book	Publishers	Year of publication
1	Mr. Harold Carr and Barbara Latham	The Technology of Clothing Manufacture	Blackwell Science	1994
3	Cooklin Grey,	Introduction to Clothing Manufacture	Blackwell Science	1991
4	<u>Chris Jeffreys</u>	Complete book of sewing	<u>DK Publishing,</u>	2003
5	P. Kaliraj, T. Devi	Higher Education for Industry 4.0 and Transformation to Education 5.0	MDPI Multidisciplinary Digital Publishing Institute	2020

**Related Online Contents:**

1. Introduction to Industry 4.0 and Industrial Internet of Things by Prof.Sudip Mishra,IIT Kharagpur. **Link:** [https://onlinecourses.nptel.ac.in/noc21\\_cs20/preview](https://onlinecourses.nptel.ac.in/noc21_cs20/preview)
2. A Complete Guide to Industry 4.0-Udemy. **Link:** <https://www.udemy.com/course/intro-to-industry-4/>

**Course Designers:**

V.S.Karpagavalli

COURSE NO VG21P01	SEMESTER - I BASICS IN GARMENT DESIGNING- PRACTICAL	Category	L	T	P	Credit
		Practical			90	6

### 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	Demonstrate - operating, cleaning and oiling of sewing machine	K3
CLO2	Illustrate the parts of the garment.	K2
CLO3	Construct the miniature of the parts of the garment.	K3
CLO4	Apply the suitable accessories in the miniature garment	K3
CLO5	Prepare samples for various parts of the garment	K3

### Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5
CLO1	M	M	S	S	S
CLO2	M	S	S	S	M
CLO3	S	S	M	M	M
CLO4	S	S	S	M	M
CLO5	S	S	S	M	S

S- Strong; M-Medium; L-Low

### Syllabus

1. Demonstrating- operating, cleaning and oiling of sewing machine. **2 hrs**
2. Demonstration on sewing problem & remedies. **3 hrs**
3. Preparation of samples for seam – plain, top stitched, flat fell, piped, mantua maker seam. Preparation of samples for seam finishes- Edge stitched, double stitch, overcast, bound, hem and darning methods **8 hrs**
4. Preparation of samples for fullness-Darts, tucks- pin tucks, cross tucks, group tucking with scalloped effect, Pleats- knife pleat, box pleat, kick pleat, fan pleat, Gathering – Gathering by hand, machine, elastic, Ruffle- single, double, circular, Godets. **10 hrs**

- |   |               |
|---|---------------|
| 5. Preparation of samples for facing and binding- bias facing, shaped facing and binding.   | <b>7 hrs</b>  |
| 6. Preparation of samples for plackets and fasteners- continuous bound, Two-piece placket, zipper, tailored placket, button and buttonhole, Hook and eye, press button. | <b>10 hrs</b> |
| 7. Preparation of samples for sleeves- plain sleeve, puff sleeve, raglan sleeve.  | <b>10 hrs</b> |
| 8. Preparation of samples with yoke- partial yoke, simple yoke and yoke supporting fullness.  | <b>10 hrs</b> |
| 9. Preparation of samples for collar- Peter Pan collar, shirt collar and shawl collar.  | <b>10 hrs</b> |
| 10. Preparation of samples for pocket- patch pocket, bound pocket and side pocket.  | <b>10 hrs</b> |
| 11. Preparation of sample for mask – pleated mask, padded mask  | <b>10 hrs</b> |

**Course Designers:**

V.S.Karpagavalli

COURSE NO VG21P02	SEMESTER - I SURFACE ORNAMENTATION - PRACTICAL	Category	L	T	P	Credit
		Practical			90	6

### 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	Illustrate the motif of the embellishment.	K2
CLO2	Prepare samples of embellishment.	K3
CLO3	Apply suitable embellishment in the miniature garment.	K3
CLO4	Develop their own designs using embellishments.	K3
CLO5	Identify suitable stitches for embroidery designs.	K4
CLO6	Distinguish between manual work and machine for embellishments.	K4

### Mapping with Programme Learning Outcomes

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5
CLO1	M	S	S	M	L
CLO2	S	S	S	M	L
CLO3	S	S	S	M	L
CLO4	S	S	S	M	S
CLO5	S	S	S	M	M
CLO6	S	S	S	M	L

S- Strong; M-Medium; L-Low

### Syllabus

Prepare samples for the following

1. Hand embroidery - 15 stitches	11 hrs
2. Fancy embroideries – 5 stitches	5 hrs
3. Machine Embroidery- 9 stitches - 3 samples	6 hrs
4. Applique- hand, machine and iron applique- 3 samples	5 hrs
5. Smocking – 5 samples	8 hrs
6. Application of laces– 5 samples	5 hrs
7. Bead Work -1 sample	8 hrs
8. Sequins work -1 sample	7 hrs
9. Zardosi work -1 sample	7 hrs



10. Belts & Bows – each 2 samples	<b>7 hrs</b>
11. Mirror & Stone work – each 2 sample	<b>7 hrs</b>
12. Patch work & Quilting – each 2 samples	<b>7 hrs</b>
13. Tassels and fringes – each 5 samples	<b>7 hrs</b>

#### **Course Designers:**

V.S.Karpagavalli

COURSE NO NME21ES	SEMESTER - I FOUNDATION COURSE INTRODUCTION TO ENTREPRENEURSHIP	Category	L	T	P	Credit
		Theory	26	4		2

**Unit 1** (5 hrs)

**Nature of Entrepreneurship:** (3 hrs)

Meaning –Need for Entrepreneurship –Qualities of Successful Entrepreneurs - Myths of Entrepreneurship

**Activity:** Assignment, Discussion (2 hrs)

**Unit 2** (6 hrs)

**Role of Entrepreneurs** (4 hrs)

Significance of Entrepreneurship to the nation –Environmental Factors influencing Entrepreneurship – Entrepreneurial Process and Functions- Challenges faced by Entrepreneurs

**Activity:** Quiz / Role Play (2 hrs)

**Unit 3** (6 hrs)

**Formulation of Business Idea:** (4 hrs)

Business Idea Generation - Entrepreneurial Imagination and Creativity – Role of Innovation – Opportunity Evaluation

**Activity:** Business Idea Pitch (2 hrs)

**Unit 4** (6 hrs)

**Business Planning:** (4 hrs)

Need for Market Study – Securing Finance from various Sources - Significance of Business plan – Components of Business plan

**Activity:** Schemes available for Entrepreneurs (2 hrs)

**Unit 5: (7 hrs)** (7 hrs)

**Project:**

**Interface with Successful Entrepreneurs** – 4 hrs

**Business Plan Presentation** – 3 hrs

**Reference Books**

1. D.F. Kuratko and T.V. Rao, *Entrepreneurship - South Asian Perspective*, 2016, Cengage Learning India Pvt. Ltd. Delhi.
2. Arya Kumar, *Entrepreneurship: Creating and Leading an Entrepreneurial Organization*, 2012, Pearson Education India

COURSE NO VG21AP1	SEMESTER - II BASIC ILLUSTRATION AND FASHION CONCEPTS – PRACTICAL	Category	L	T	P	Credit
		Practical			60	4

### 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	Design the fashion figures with head theories, garment and the accessories.	K3
CLO3	Illustrate and describe the colour theories, elements and principles of Design	K3
CLO4	Develop colour harmony in garment designs.	K4

### Mapping with Programme Learning Outcomes

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

S- Strong; M-Medium; L-Low

### Syllabus

- Effects in lines dots, checks and curves with 3D effects **3 hrs**
- Enlarging and reducing motifs. **3 hrs**
- Illustrating collection of accessories ornaments, hat, handbags, Shoes, gloves, coolers and masks. **6 hrs**
- Illustrating pattern details pockets, sleeves, yokes, skirts, trousers and tops **6 hrs**
- Illustrating details of pleats, ruffles, shearing, smocking and gathering **6 hrs**
- Illustrating human figure in proportion using 8 head theory –stick figure, Fleshy figure. **6 hrs**
- Preparation of colour theories-prang colour chart, value, intensity. **6 hrs**
- Application of colour harmony in garment design – Monochromatic colour Harmony Analogous colour harmony, Complimentary colour

Harmony, Double complementary colour harmony, Split complementary Colour harmony, Triad colour harmony and Tetrad	<b>8 hrs</b>
9. Application of elements of design in garments-line, colour, texture, shape, size.	<b>8 hrs</b>
10. Application of principles of design in garments- Harmony, Emphasis, Proportion, Rhythm, Balance.	<b>8 hrs</b>

#### **Course Designers:**

V.S.Karpagavalli

<b>COURSE NO VG21C02</b>	<b>SEMESTER - II TEXTILE SCIENCE</b>	<b>Category</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
		<b>Theory</b>	<b>71</b>	<b>4</b>		<b>5</b>

### **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

<b>CLO Number</b>	<b>CLO Statement</b>	<b>Knowledge Level</b>
<b>CLO1</b>	Identify the textile fiber	K1
<b>CLO2</b>	Understand the properties and manufacturing process for different fibers	K2
<b>CLO3</b>	Classification of yarns	K2
<b>CLO4</b>	Analysis process of weaving	K4
<b>CLO5</b>	Analysis process of other fabrication methods	K4

### **Mapping with Programme Learning Outcomes**

<b>CLOs</b>	<b>PLO1</b>	<b>PLO2</b>	<b>PLO3</b>	<b>PLO4</b>	<b>PLO5</b>
CLO1	M	M	M	M	S
CLO2	M	M	M	M	S
CLO3	M	M	M	M	S
CLO4	M	M	M	L	S
CLO5	S	S	S	M	L

S- Strong; M-Medium; L-Low

### **Syllabus**

#### **Unit I**

**15 hrs**

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

**Unit II****14 hrs**

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

**Unit III****14 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****14 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****14 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	Corbmann B.P	Textiles –fibre to fabric, International student's edition	McGraw Hill, Singapore	1985
2	Joseph J Pretal	Fabric Science 5th edition	Fairchild Publications ,Newyork	1990
3	David spencer	Knitting technology	pergamen press, Oxford	1982

**Course Designers:**

V.S.Karpagavalli

<b>COURSE NO VG21C03</b>	<b>SEMESTER - II PATTERN MAKING AND GRADING</b>	<b>Category</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
		<b>Theory</b>	<b>71</b>	<b>4</b>		<b>5</b>

### **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

<b>CLO Number</b>	<b>CLO Statement</b>	<b>Knowledge Level</b>
<b>CLO1</b>	Define pattern making and grading	K1
<b>CLO2</b>	Explain the standards of a good fit	K2
<b>CLO3</b>	Develop blouse patterns with good fit	K4
<b>CLO4</b>	Describe pattern alteration and grading	K4
<b>CLO5</b>	Identify the design and analysis the layout	K4

### **Mapping with Programme Learning Outcomes**

<b>CLOs</b>	<b>PLO1</b>	<b>PLO2</b>	<b>PLO3</b>	<b>PLO4</b>	<b>PLO5</b>
<b>CLO1</b>	S	S	M	M	M
<b>CLO2</b>	S	S	M	M	M
<b>CLO3</b>	S	S	S	S	M
<b>CLO4</b>	S	S	M	S	S
<b>CLO5</b>	S	S	M	S	S

S- Strong; M-Medium; L-Low

### **Syllabus**

#### **Unit I**

**15 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 Preparation of fabric for cutting – importance of grain in cutting and construction, steps in preparing the fabric for cutting.

**Unit II****14hrs**

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 and back and sleeve.

**Unit III****14 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****14 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****14 hrs**

Pattern layout- definition, purpose, rules in layout, types of layouts for length wise stripped designs, fabric with bold design, asymmetric designs and one way designs. What can be done if cloth is insufficient , fabric cutting ,transferring pattern marking, stay stitching, ease stitching.

**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

**Course Designers:**

V.S.Karpagavalli



<b>COURSE NO VG21P03</b>	<b>SEMESTER - II GARMENT CONSTRUCTION -I PRACTICAL</b>	<b>Category</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
		<b>Practical</b>			<b>90</b>	<b>6</b>

### **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

<b>CLO Number</b>	<b>CLO Statement</b>	<b>Knowledge Level</b>
<b>CLO1</b>	Illustrate the design of the garment	K2
<b>CLO2</b>	Create design variation	K3
<b>CLO3</b>	Develop suitable pattern for the garments.	K4
<b>CLO4</b>	Construct garments with suitable designs	K4
<b>CLO5</b>	Manipulate the patterns with various designs	K2

### **Mapping with Programme Learning Outcomes**

<b>CLOs</b>	<b>PLO1</b>	<b>PLO2</b>	<b>PLO3</b>	<b>PLO4</b>	<b>PLO5</b>
<b>CLO1</b>	M	S	S	S	M
<b>CLO2</b>	S	S	S	S	M
<b>CLO3</b>	S	S	S	S	M
<b>CLO4</b>	S	S	S	M	S
<b>CLO5</b>	M	S	S	M	S

S- Strong; M-Medium; L-Low

### **Syllabus**

Designing, drafting and constructing the following garments.

- |                                       |              |
|---------------------------------------|--------------|
| 1. Bib & Panty- Variations in shapes. | <b>5 hrs</b> |
| 2. Baby Wrapper.                      | <b>4 hrs</b> |
| 3. Gloves - Variations in style.      | <b>3 hrs</b> |
| 4. Baba suit.                         | <b>8 hrs</b> |

5. Zabla- with or without sleeve, front open	10 hrs
6. A line petticoat with darts.	12 hrs
7. Saree petticoat -6 panel or 8 panel	12 hrs
8. Skirt- plain / umbrella/panel.	12 hrs
<b>9. Ladies short kurtha with different designs.</b>	<b>12 hrs</b>
<b>10. Salwar or Churithar</b>	<b>12 hrs</b>

#### **WEB REFERENCES:**

**1. Ladieskurtha-** <https://www.pinterest.com/AlexandrBondarenkoPIN/kurti-design>

**2. Salwar** - <https://www.utsavfashion.in/salwar>

#### **Course Designers:**

V.S.Karpagavalli

<b>COURSE NO 21PELS1</b>	<b>SEMESTER – II PROFESSIONAL ENGLISH FOR LIFE SCIENCES</b>	<b>Category</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
		<b>Theory</b>	<b>40</b>	<b>5</b>		<b>2</b>

### Objectives

1. To develop the language skills of students by offering adequate practice in professional contexts.
2. To enhance the lexical, grammatical and socio-linguistic and communicative competence of first year physical sciences students
3. To focus on developing students' knowledge of domain specific registers and the required language skills.
4. To develop strategic competence that will help in efficient communication
5. To sharpen students' critical thinking skills and make students culturally aware of the target situation.

### Course Learning Outcomes

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

<b>CLO Number</b>	<b>CLO Statement</b>	<b>Knowledge Level</b>
CLO1	Recognise their own ability to improve their own competence in using the language	K1
CLO2	Use language for speaking with confidence in an intelligible and acceptable manner	K2
CLO3	Read independently unfamiliar texts with comprehension and understand the importance of reading for life	K3
CLO4	Understand the importance of writing in academic life	K3
CLO5	Write simple sentences without committing error of spelling or grammar	K3

(Outcomes based on guidelines in UGC LOCF – Generic Elective)

### Mapping with Programme Learning Outcomes

<b>CLOs</b>	<b>PLO1</b>	<b>PLO2</b>	<b>PLO3</b>	<b>PLO4</b>	<b>PLO5</b>
CLO1	M	S	M	S	M
CLO2	M	S	S	S	S
CLO3	M	M	M	M	M
CLO4	S	M	S	M	S
CLO5	S	M	M	M	M

S- Strong; M-Medium; L-Low

## **Syllabus**

### **UNIT 1: COMMUNICATION**

**8 hours**

**Listening:** Listening to audio text and answering question

Listening to Instructions

**Speaking:** Pair work and small group work.

**Reading:** Comprehension passages –Differentiate between facts and opinion

**Writing:** Developing a story with pictures.

**Vocabulary:** Register specific - Incorporated into the LSRW tasks

### **UNIT 2: DESCRIPTION**

**8 hours**

**Listening:** Listening to process description.-Drawing a flow chart.

**Speaking:** Role play (formal context)

**Reading:** Skimming/Scanning- Reading passages on products, equipment and gadgets.

**Writing:** Process Description –Compare and Contrast Paragraph-Sentence Definition and Extended definition- Free Writing.

**Vocabulary:** Register specific -Incorporated into the LSRW tasks.

### **UNIT 3: NEGOTIATION STRATEGIES**

**8 hours**

**Listening:** Listening to interviews of specialists / Inventors in fields (Subject specific)

**Speaking:** Brainstorming. (Mind mapping).

Small group discussions (Subject- Specific)

**Reading:** Longer Reading text.

**Writing:** Essay writing (250 words)

**Vocabulary:** Register specific - Incorporated into the LSRW tasks

### **UNIT 4: PRESENTATION SKILLS**

**8 hours**

**Listening:** Listening to lectures.

**Speaking:** Short talks.

**Reading:** Reading Comprehension passages

**Writing:** Writing Recommendations

Interpreting Visuals inputs

**Vocabulary:** Register specific - Incorporated into the LSRW tasks

### **UNIT 5: CRITICAL THINKING SKILLS**

**8 hours**

**Listening:** Listening comprehension - Listening for information.

**Speaking:** Making presentations (with PPT- practice).

**Reading:** Comprehension passages –Note making.

Comprehension: Motivational article on Professional Competence,  
Professional Ethics and Life Skills)

**Writing:** Problem and Solution essay– Creative writing –Summary writing

**Vocabulary:** Register specific - Incorporated into the LSRW tasks

**Textbook**

<b>S.No.</b>	<b>Authors</b>	<b>Title of the Book</b>	<b>Publishers</b>	<b>Year of Publication</b>
1	Tamil Nadu State Council for Higher Education (TANSCHÉ)	English for Life Sciences Semester 1	--	--

**Reference Books**

<b>S.No.</b>	<b>Authors</b>	<b>Title of the Book</b>	<b>Publishers</b>	<b>Year of Publication</b>
1	Sreedharan, Josh	The Four Skills for Communication	Foundation books	2016
2	Pillai, G Radhakrishna, K Rajeevan, P Bhaskaran Nair	Spoken English for you	Emerald	1998
3	Pillai, G radhakrishna, K Rajeevan, P Bhaskaran Nair	Written English for you	Emerald	1998

<b>COURSE NO VG21C04</b>	<b>SEMESTER – III CONCEPTS OF FASHION AND DESIGN</b>	<b>Category</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
		<b>Theory</b>	<b>41</b>	<b>4</b>		<b>3</b>

### Preamble

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

### Course Learning Outcomes

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

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

### Mapping with Programme Learning Outcomes

<b>CLOs</b>	<b>PLO1</b>	<b>PLO2</b>	<b>PLO3</b>	<b>PLO4</b>	<b>PLO5</b>	<b>PLO6</b>
<b>CLO1</b>	S	S	S	S	S	M
<b>CLO2</b>	S	S	S	S	M	M
<b>CLO3</b>	S	S	S	S	M	M
<b>CLO4</b>	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, and collection, chic, custom made, mannequin, fashion show, trend, forecasting, high fashion, fashion cycle, haute couture. Consumer groups in fashion cycles – fashion leaders, fashion innovators, fashion motivation, fashion victim, fashion followers.

#### UNIT II

**8 hrs**

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

**UNIT - III****9 hrs**

Principles of fashion movement, fashion evolution, fashion cycle – length of fashion cycle, \*Adoption of fashion – trickle down, trickle up and trickle across theory\*, Reverse adoption. Factors influencing fashion changes. Role of costume as a status symbol, personality and dress, clothes as sex appeal, cultural value fashion cycles, repetition of fashion, fashion services, video services, news letter services, web sites, directories and references.

**UNIT -IV****8hrs**

Understanding fashion designer - \*Indian and global fashion designers\*. Haute couture - Indian fashion designers – **sabyasachimukherjee, rohitbal,manishmalhotra, taruntahiliani, masaba, abujani and sandeepkhosla, neetalulla, ritukumar, rituberi, anitadongre**. World fashion centers –france, italy, america, britain. Fareast- Contributions of well known designers from France-Agnes, Sophie Albou Italy- Pierre Cardin, Roberto Cavalli America - Adams Adrian, Joseph Abboud. Britain -Basso & Brooke.

**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	<a href="#">Gwyneth Moore</a>	Basics Fashion Management 02: Fashion Promotion	<a href="#">AVA Publishing</a>	2012
2	Simon Seivewright and Richard Sorger	Research and Design for Fashion	<a href="#">Bloomsbury</a>	2021
3	JochenSträhle	Green Fashion Retail	<a href="#">Springer</a>	2016
4	<a href="#">Phyllida Jay</a>	Fashion India	<a href="#">Thames &amp; Hudson</a>	2015
5	<a href="#">VéroniquePouillard</a>	Paris to New York The Transatlantic Fashion Industry in the Twentieth Century	<a href="#">Harvard University Press</a>	2021

**Blended Mode of Learning:**

S.No	Topics of the Course	Unit	Link of the Course	Duration of Hours
1	Terms related to the fashion clothing	Unit I	<a href="https://design.careers360.com/articles/20-terms-every-fashion-student-must-know">https://design.careers360.com/articles/20-terms-every-fashion-student-must-know</a>	3
2	Munsellcolour system - colour	Unit II	<a href="https://www.britannica.com/science/electromagnetic-spectrum">https://www.britannica.com/science/electromagnetic-spectrum</a>	3

	harmonies			
3	Adoption of fashion – trickle down, trickle up and trickle across theory	Unit III	<a href="https://fashion-history.lovetoknow.com/fashion-history-eras/theories-fashion">https://fashion-history.lovetoknow.com/fashion-history-eras/theories-fashion</a>	4
4	Indian and global fashion designers	Unit IV	<a href="https://www.indiatvnews.com/lifestyle/fashion-who-are-top-10-indian-fashion-designers-in-india-570738">https://www.indiatvnews.com/lifestyle/fashion-who-are-top-10-indian-fashion-designers-in-india-570738</a>	3
5	Organizing fashion show	Unit V	<a href="https://www.wikihow.com/Coordinate-a-Fashion-Show">https://www.wikihow.com/Coordinate-a-Fashion-Show</a>	3

**Course Designers:**

V.S.Karpagavalli



<b>COURSE NO</b> <b>VG21C05</b>	<b>SEMESTER - III</b> <b>EXPORT MANAGEMENT</b>	<b>Category</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
		<b>Theory</b>	<b>56</b>	<b>4</b>		<b>4</b>

### Preamble

To impart knowledge on processes involved in exports.

### Course Learning Outcomes

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

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

### Mapping with Programme Learning Outcomes

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

S- Strong; M-Medium; L-Low

### Syllabus

#### UNIT I

**11 Hrs**

Basics of international trade and its significance. Role of WTO and regional economic groups in international trade. International trade statistics of textiles and apparel. \*Prospects for Indian apparel exports and SWOT analysis.\*

#### UNIT II

**11 Hrs**

Setting up of export business - export marketing organization, product planning for export markets, \*export pricing and costing\*, International Commercial (Inco) Terms. Export correspondence - negotiations for export business.

#### UNIT III

**1 Hrs**

Highlights of Exim Policy 2008–2013. \*Various schemes for export promotion-duty drawback, duty exemption, duty remission\*. EOU, free trade zones, special economic zones, market access initiative, market development assistance, brand promotion, trading house, export houses, warehousing zones.

**UNIT IV****11 Hrs**

Basic concepts of foreign exchange – foreign exchange risk management - Forfeiting and Factoring. Methods of International Payment Settlement - International Commercial Terms - Letter of Credit - Exchange Control Regulations for imports and exports - \*Export Financing - Pre-Shipment finance - Post Shipment Finance - EXIM Bank of India - ECGC - Demand Guarantees and Standby Letter of Credit.\*

**UNIT V****12 Hrs**

Export Procedure, 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, 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	PalleKrishnaRao	WTO–TextandCases–ExcelSeries	Excel Books	2005
6	D.C. Kapoor	Export Management	Vikas Publications	2009

**Blended Mode of Learning:**

S.No	Topics of the Course	Unit	Link of the Course	Duration of Hours
1	Prospects for Indian apparel exports and SWOT analysis.	Unit I	<a href="https://blogs.siliconindia.com/rohitkantprasad/SWOT_analysis_of_Indian_Apparel_Textile_Industry-bid-nMHxN50t11848596.html">https://blogs.siliconindia.com/rohitkantprasad/SWOT_analysis_of_Indian_Apparel_Textile_Industry-bid-nMHxN50t11848596.html</a>	3
2	Export pricing and costing	Unit II	<a href="http://www.eximguru.com/exim/guides/how-to-export/ch_11_export_pricing_and_costing.aspx">http://www.eximguru.com/exim/guides/how-to-export/ch_11_export_pricing_and_costing.aspx</a>	3

3	Export promotion- duty drawback, duty exemption, duty remission	Unit III	<a href="https://www.tpci.in/research_report/duty-exemption-remission-schemes-for-indian-exporters">https://www.tpci.in/research_report/duty-exemption-remission-schemes-for-indian-exporters</a>	3
4	Export Financing - Pre-Shipment finance - Post Shipment Finance	Unit IV	<a href="https://www.dripcapital.com/resources/blog/export-finance-types">https://www.dripcapital.com/resources/blog/export-finance-types</a>	3
5	Export Documentation	Unit V	<a href="https://www.yourarticlelibrary.com/export-management/list-of-documentation-needed-in-export-business/41221">https://www.yourarticlelibrary.com/export-management/list-of-documentation-needed-in-export-business/41221</a>	4

### **Course Designers:**

V.S.Karpagavalli

<b>COURSE NO VG21P04</b>	<b>SEMESTER - III DRAPING - PRACTICAL</b>	<b>Category</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
		Practical			60	4

### 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

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

### Mapping with Programme Learning Outcomes

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

S- Strong; M-Medium; L-Low

### Syllabus

1. Introduction to draping and dress forms	<b>2Hrs</b>
2. Draping basic front and back	<b>5Hrs</b>
3. Draping Sleeves- Basic sleeve, Raglan sleeve.	<b>11 Hrs</b>
4. Draping collars- Peter pan, Mandarin and Shawl Collar	<b>9Hrs</b>
5. Draping yokes - Shirt yoke, Skirt yoke and midriff yoke	<b>11 Hrs</b>
6. Draping basic skirts –Plain skirt, Pleated skirt and Flare skirt	<b>11 Hrs</b>
7. Draping Male Garment - Basic T-Shirt, Bermudas	<b>11 Hrs</b>

### Course Designers:

V.S.Karpagavalli

<b>COURSE NO VG21P05</b>	<b>SEMESTER – III FASHION ILLUSTRATION - PRACTICAL</b>	<b>Category</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
		<b>Practical</b>			<b>90</b>	<b>6</b>

### 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

<b>CLO Number</b>	<b>CLO Statement</b>	<b>Knowledge Level</b>
<b>CLO1</b>	Illustrate the fabric textures and design.	K2
<b>CLO2</b>	Prepare flat sketches for children, women and men's garments.	K3
<b>CLO3</b>	Develop the garments design using fashion figures.	K3
<b>CLO4</b>	Analyze normal figure into fashion figure.	K4
<b>CLO5</b>	Prepare flat sketches for children, women and men's garments.	K3
<b>CLO6</b>	Develop own garment designs.	K3

### Mapping with Programme Learning Outcomes

<b>CLOs</b>	<b>PLO1</b>	<b>PLO2</b>	<b>PLO3</b>	<b>PLO4</b>	<b>PLO5</b>	<b>PL06</b>
<b>CLO1</b>	M	S	S	S	M	M
<b>CLO2</b>	S	S	S	S	S	M
<b>CLO3</b>	S	S	S	S	S	M
<b>CLO4</b>	S	M	M	M	S	S
<b>CLO5</b>	S	S	S	S	S	M
<b>CLO6</b>	S	S	S	S	S	M

S- Strong; M-Medium; L-Low

### Syllabus

1. Illustrating children – Boy and girl in Front view, Back view, Side view **9hrs**
2. Illustrating Women in Front view, Back view, Side view **9hrs**
3. Illustrating Men in Front view, Back view, Side view **9hrs**
4. Analyzing a normal figure into Trend figure –men and women. **9hrs**
5. Rendering of fabric textures and fabric drapes using different media – colour pencils, marker pens, water colour, poster colours and drawing ink. **9hrs**
6. Create flat sketches for children – Boy / Girl - Casual wears, Night Wear and Picnic wear with back ground **9hrs**
7. Designing flat sketches for women - lingerie wear with back ground. **9hrs**
8. Creating garments design for office wear/ sportswear/ party wear for Men or women with back ground **9hrs**
9. Creating garments for different seasons for Men/Women/ Children with back Ground **9hrs**

10. Create fashion illustration from Magazines.

**9hrs**

**Course Designers:**

V.S.Karpagavalli

<b>COURSE NO VG21P06</b>	<b>SEMESTER – III GARMENT CONSTRUCTION II - PRACTICAL</b>	<b>Category</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
		<b>Practical</b>			<b>90</b>	<b>6</b>

### 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

<b>CLO Number</b>	<b>CLO Statement</b>	<b>Knowledge Level</b>
<b>CLO1</b>	Illustrate the design of the garment.	K2
<b>CLO2</b>	Draft the patterns for the design.	K3
<b>CLO3</b>	Construct the garment as per the design.	K3
<b>CLO4</b>	Construct garments with various designs	K4
<b>CLO5</b>	Practice their work with various designs	K2

### Mapping with Programme Learning Outcomes

<b>CLOs</b>	<b>PLO1</b>	<b>PLO2</b>	<b>PLO3</b>	<b>PLO4</b>	<b>PLO5</b>	<b>PLO6</b>
<b>CLO1</b>	M	S	S	S	M	M
<b>CLO2</b>	S	S	S	S	M	M
<b>CLO3</b>	S	S	S	S	S	M
<b>CLO4</b>	S	S	S	M	M	M
<b>CLO5</b>	S	S	S	M	S	S

S- Strong; M-Medium; L-Low

### Syllabus

- |   |              |
|---|--------------|
| 1. Yoke frock- yoke at chest line, with open, puff sleeve, gathered Skirt | <b>10hrs</b> |
| 2. Ruffle Girl frock- with/without sleeve, back placket opening           | <b>10hrs</b> |
| 3. Pyjama – Elastic / Tape attached waist                                 | <b>10hrs</b> |
| 4. Night dress – front open, with sleeve and pocket, full length.         | <b>15hrs</b> |
| 5. Ladies pant- waist band, zip attached, tight fitting / parallel pants. | <b>15hrs</b> |
| 6. T Shirts - Crew Neck with full sleeve                                  | <b>15hrs</b> |
| 7. Bermudas –patch pocket.  | <b>15hrs</b> |

### Course Designers:

V.S.Karagavalli

COURSE NO VG21A03	SEMESTER - IV TRADITIONAL COSTUMES AND TEXTILES OF INDIA	Category	L	T	P	Credit
		Theory	56	4		4

### Preamble

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

### Course Learning Outcomes

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

CLO Number	CLO Statement	Knowledge Level
CLO1	Identify the Traditional Textiles of India.	K1
CLO2	Associate woven, printed and embroidery textiles of India.	K2
CLO3	Elaborate on various techniques of Indian traditional costumes.	K3
CLO4	Application of various traditional embroideries of India on apparels.	K3

### Mapping with Programme Learning Outcomes

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

S- Strong; M-Medium; L-Low

### Syllabus

#### UNIT-I

11 Hrs

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

#### UNIT-II

11 Hrs

Traditional Costume of India- Mizoram, Nagaland, West Bengal, Manipur, Assam, Tripura, Meghalaya, Jharkhand, Arunachal Pradesh, Bihar, Himachal Pradesh, Uttarpradesh, Jammu and Kashmir, \*Madhyapradesh, Rajasthan, Haryana, Punjab, Gujarat\*, Uttarakhand.

#### UNIT-III

11 Hrs

Dyed and printed textiles of India - \*bhandhani, patola, ikkat, kalamkari\*, bagh, ajrak, dabu, gold and silver dust, sangneri, leheriya and bagru- in all the above types and techniques used.



**UNIT-IV****10 Hrs**

Study of woven textiles of India - Dacca Muslin, Banarasi/ Chanderi brocades, baluchar, himrus and amrus, Kashmir shawls, pochampalli, Paithani and \*silk sarees of Kancheepuram\*.

**UNIT-V****13 Hrs**

\*Traditional embroideries of India\* - Origin, embroidery stitches used -embroidery of Kashmir, phulkari of Punjab, kutch and kathiawar of Gujarat, embroidery of Rajasthan, kasuti of Karnataka, chickenwork of Lucknow, kantha of Bengal - in all the above - types and colours of fabric /thread.

**Reference Books**

S.No.	Author	Title of the Book	Publishers	Year of publication
1	A. Biswas	Indian Costumes	Publications Division Ministry of Information & Broadcasting	2017
2	Rosemary Crill	The Fabric of India	Harry N. Abrams	2015
3	Wissler Clark	Costumes of the Plains Indians	Franklin Classics Trade Press	2018
4	Anjali Karolia	Traditional Indian Handcrafted Textiles History, Techniques, Processes, Designs	Niyogi Books	2019
5.	Anvita Agrawal	Traditional Embroideries of India	A.P.H. Publishing Corporation	2018
6.	Elizabeth Currie	A Cultural History of Dress and Fashion in the Renaissance (The Cultural Histories Series)	Bloomsbury Academic; Reprint edition	2021
7.	Anjali Karolia	Traditional Indian Handicrafted Textiles	Niyogi Books	2019
8.	Sethi , Ritu	Handmade for the 21 st century	UNESCO	2022

**Course Designer:**

A.Yamunadevi

<b>COURSE NO</b> <b>VG21C06</b>	<b>SEMESTER - IV</b> <b>TEXTILE PROCESSING</b>	<b>Category</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
		<b>Theory</b>	<b>41</b>	<b>4</b>		<b>3</b>

### 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

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

### Mapping with Programme Learning Outcomes

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

S- Strong; M-Medium; L-Low

### Syllabus

#### UNIT I

**8 hrs**

\*Primary sequential processes and methods\* - Singeing, desizing, scouring, bleaching. Synthetic fibre - 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****8 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****8 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:**

A.Yamunadevi

<b>COURSE NO</b> <b>VG21C07</b>	<b>SEMESTER - IV</b> <b>TEXTILE TESTING</b>	<b>Category</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
		<b>Theory</b>	<b>41</b>	<b>4</b>		<b>3</b>

### 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

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

### Mapping with Programme Learning Outcomes

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

**8 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****8 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:**

A.Yamunadevi

<b>COURSE NO</b> <b>VG21P07</b>	<b>SEMESTER - IV</b> <b>SUSTAINABLE TEXTILE</b> <b>PROCESSING LAB (PRACTICAL)</b>	<b>Category</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
		<b>Practical</b>			<b>60</b>	<b>4</b>

### Preamble

To prepare processed and dyed sample.

### Course Learning Outcomes

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

<b>CLO Number</b>	<b>CLO Statement</b>	<b>Knowledge Level</b>
<b>CLO1</b>	Classify the chemicals needed for preparatory process of textile processing.	K2
<b>CLO2</b>	Identify the suitable dye for given sample.	K3
<b>CLO3</b>	Choose the chemicals to be used for dyeing process.	K3
<b>CLO4</b>	Categorize the natural dyes used for fabric dyeing .	K4

### Mapping with Programme Learning Outcomes

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

S- Strong; M-Medium; L-Low

### Syllabus

I.Preparation of samples for Processing (Eco friendly process) **15 hrs**  
EX NO: 1 Bio Desizing  
EX NO: 2 Bio Scouring  
EX NO: 3 Bio Polishing

II. Dye the given fabric using suitable plant based natural dye - any five ( single and combinations )  
EX NO: 4 Leaf Source - indigo (leaves) **7 hrs**  
EX NO: 5 Flower Source - Sun yellow (Marigold) **7 hrs**  
EX NO: 6 Bark Source - Kamala (bark) **7 hrs**  
EX NO: 7 Fruit Source - Mallow gold (Pomegranate fruit) **7 hrs**  
EX NO: 8 Vegetable Source - Onion peel (Vegetable) **7 hrs**

III. Removal of stains:  
EX NO: 9 Stain removal (cosmetics, food stains, grease, blood stains) **10 hrs**

Reference Link:

EX:NO:2 [https://en.wikipedia.org/wiki/Natural\\_dye](https://en.wikipedia.org/wiki/Natural_dye)

EX:NO:3 <https://www.cleaninginstitute.org/cleaning-tips/clothes/stain-removal-guide>

**Course Designer:**

A.Yamunadevi

<b>COURSE NO VG21P08</b>	<b>SEMESTER - IV TEXTILE TESTING LAB (PRACTICAL)</b>	<b>Category</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
		<b>Practical</b>			<b>90</b>	<b>6</b>

### Preamble

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

### Course Learning Outcomes

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

<b>CLO Number</b>	<b>CLO Statement</b>	<b>Knowledge Level</b>
<b>CLO1</b>	Analyse the properties of fiber and yarn by textile testing.	K3
<b>CLO2</b>	Demonstrate the properties of fabric by textile testing.	K3
<b>CLO3</b>	Prepare the sample for the different testing methods.	K4
<b>CLO4</b>	Analyse the properties of the sample after treatment.	K4

### Mapping with Programme Learning Outcomes

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

S- Strong; M-Medium; L-Low

### Syllabus

Identification of textile fibers - cotton, silk, wool, nylon, polyester, linen, rayon, jute.

1. Microscopic Method
2. Flame test.
3. Chemical test.

Testing of yarns/ fabrics

- |   |               |
|---|---------------|
| 1. Determining the counting of the yarn using wrap reel.            | <b>9 hrs</b>  |
| 2. Determining the counting of the yarn using beesley's balance     | <b>9 hrs</b>  |
| 3. Determining the twist of the yarn using twist tester.            | <b>9 hrs</b>  |
| 4. Determining the weight of the fabric.                            | <b>9 hrs</b>  |
| 5. Determining the fabric count by                                  | <b>10 hrs</b> |
| a. Raveling method  |               |
| b. Pick Glass method  |               |
| 6. Determining the Course length and loop length of knitted fabric. | <b>9 hrs</b>  |



- |   |              |
|---|--------------|
| 7. Determining the Colour fastness.                       |              |
| a. Washing  |              |
| b. Light  | <b>9 hrs</b> |
| 8. Determining the dimensional stability test.            | <b>9 hrs</b> |
| 9. Determining the absorbency test.                       | <b>9 hrs</b> |
| 10. Determining the tensile strength of the given fabric. | <b>8 hrs</b> |

**Course Designer:**

A.Yamunadevi

<b>COURSE NO VG21P09</b>	<b>SEMESTER - IV GARMENT CONSTRUCTION III - PRACTICAL</b>	<b>Category</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
		<b>Practical</b>			<b>90</b>	<b>6</b>

### Preamble

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

### Course Outcomes

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

<b>CO Number</b>	<b>CO Statement</b>	<b>Knowledge Level</b>
<b>CO1</b>	Design the design of the garment	K2
<b>CO2</b>	Draft the flat sketch of the garment	K3
<b>CO3</b>	Construct the garment as sketched.	K3
<b>CO4</b>	Construct garments with various designs	K4

### Mapping with Programme Outcomes

<b>COs</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>
<b>CO1</b>	M	S	S	S	M	M
<b>CO2</b>	S	S	S	S	M	M
<b>CO3</b>	S	S	S	S	M	M
<b>CO4</b>	S	S	S	M	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. **8 Hrs**
3. Designing and pattern development - S.B.Vest. **5 Hrs**
4. Garment development and cost estimation - S.B.Vest. **7 Hrs**
5. Designing and pattern development - Sherwani. **5 Hrs**
6. Garment development and cost estimation - Sherwani. **8 Hrs**
7. Designing and pattern development - Blouse. **5 Hrs**
8. Garment development and cost estimation - Blouse. **8 Hrs**
9. Designing and pattern development - Pleated trousers. **5 Hrs**
10. Garment development and cost estimation - Pleated trousers. **8 Hrs**
11. Designing and pattern development - Lehanga. **5 Hrs**
12. Garment development and cost estimation - Lehanga. **8 Hrs**
13. Design Development (any one Garment) **4 Hrs**
  - Research
  - Theme

- Sourcing
  - Finalization of Designs
  - Measurements and Specification sheets
14. Pattern Development **3 Hrs**
- Development of Basic Blocks
  - Pattern Making and Layout
15. Product Development **6 Hrs**
- Construction on actual fabric
  - Compose the above details as portfolio sheets
  - Photo shoot

**Course Designer:**

A.Yamunadevi

<b>COURSE NO VG21C08</b>	<b>SEMESTER - V TEXTILE PRINTING TECHNIQUES</b>	<b>Category</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
		<b>Theory</b>	<b>43</b>	<b>2</b>		<b>3</b>

### Preamble

To impart more knowledge on printing techniques.

### Course Learning Outcomes

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

<b>CLO Number</b>	<b>CLO Statement</b>	<b>Knowledge Level</b>
<b>CLO1</b>	Understand differences between printing and dyeing	K1
<b>CLO2</b>	Describe the types of printing methods.	K2
<b>CLO3</b>	Explain the procedure involved in different methods of printing	K3
<b>CLO4</b>	Understand the process methods and impact of natural printing materials	K1

### Mapping with Programme Learning Outcomes

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

S- Strong; M-Medium; L-Low

### 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**

Direct printing: \* Block printing – Brief History, Preparation of design, Blocks, table, print paste and printing process\* Stencil printing – Brief history, 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 – brief history\*, Flat screen and Rotary screen printing, Preparation of screen printing paste, screen printing process, Discharge printing – chemicals used, process involved.

#### UNIT - IV

**9 hrs**

Resist printing: Brief history, Batik printing wax used, equipments required, process sequence and techniques used. \*Tie and dye – Brief history, equipments required, process sequence and techniques used\*.

#### UNIT-V

**8 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.

**Reference Books**

S.No.	Author	Title of the Book	Publishers	Year of publication
1	Nemanja Kasikovic	Textile Printing	Tehnološki	2016
2	<u>Amanda Briggs-Goode</u>	Printed Textile Design	<u>Laurence King Publishing</u>	2013
3	Joanna Kinnersly-Taylor	Dyeing and Screen-Printing on Textiles	<u>Bloomsbury Publishing</u>	2013
4	Laurie Wisbrun	Designing and Printing Fabric: Techniques	A & C Black Publishers Ltd	2011
5	<u>Dr. H.Panda</u>	Textile Dyes, Pigments and Dye Intermediates with Textile Printing Technology	Niir Project Consultancy Services	2013

**Course Designers:**

V.S.Karpagavalli

<b>COURSE NO</b> <b>VG21C09</b>	<b>SEMESTER - V</b> <b>BOUTIQUE MANAGEMENT</b>	<b>Category</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
		<b>Theory</b>	<b>43</b>	<b>2</b>		<b>3</b>

### Preamble

To impart the students with the procedures involved in setting up of boutique.

### Course Learning Outcomes

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

<b>CLO Number</b>	<b>CLO Statement</b>	<b>Knowledge Level</b>
<b>CLO1</b>	Acquire knowledge in business planning and boutique operations	K3
<b>CLO2</b>	Interpret boutique design and development.	K3
<b>CLO3</b>	Analyse marketing and promotional techniques.	K4
<b>CLO4</b>	Understand financial planning and startup formalities.	K1

### Mapping with Programme Learning Outcomes

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

S- Strong; M-Medium; L-Low

### Syllabus

#### UNIT- I

**9Hrs**

Scope for boutiques – creation of business plan for starting a boutique- \*parts of a business plan –components of a business plan – types of business plans\* – Competitive analysis & case study analysis -Assessment of Feasibility (Technical, Financial & Marketing) - finding the right plan.

#### UNIT- II

**8 Hrs**

Location decision- importance, levels and determining factors. Types of location, types of consumer goods and location decision. Exterior Design, \*Store Layout & 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 & display\*, customer service, budgeting & accounting, money and credit handling, shop lifting prevention, premises maintenance, systems & staff management, inventory optimization and management, administration and supply chain management.

#### UNIT- IV

**9 Hrs**

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

**UNIT- V****8 Hrs**

\*Formats in business ownership- registration & licensing\*- financial support from Government and institutions- Taxes - government incentives (financial & non financial) – Steps and formalities to start a boutique – evaluation and sickness prevention activities.

**Reference Books**

S.No.	Author	Title of the Book	Publishers	Year of publication
1	Michele. M Granger, Tina M. Sterling, Ann Cantrell	Fashion Entrepreneurship	Marissa zorola	2019
2	Emily A. Benson	Ultimate Boutique	e-Book	2019
3	Greg Alexander	The Boutique: How to Start, Scale, and Sell a Professional Services Firm	Advantage Media Group	2020
4	Stewart B	Opening Boutique Guide	Bull City Publishing	2016
5	Wright C	Business Boutique	Ramsey Press, Tennessee	2017
6	<a href="https://www.bizmove.com/starting-business/how-to-start-a-boutique-business.pdf">https://www.bizmove.com/starting-business/how-to-start-a-boutique-business.pdf</a> <a href="https://www.thebalancesmb.com/department-store-mission-statements-4068552">https://www.thebalancesmb.com/department-store-mission-statements-4068552</a> <a href="https://www.entrepreneur.com/article/38290">https://www.entrepreneur.com/article/38290</a> <a href="https://www.smartsheet.com/store-layout">https://www.smartsheet.com/store-layout</a> <a href="https://www.smartsheet.com/retail-store-operations">https://www.smartsheet.com/retail-store-operations</a> <a href="https://www.shopkeep.com/blog/promotion-ideas-for-retail-stores">https://www.shopkeep.com/blog/promotion-ideas-for-retail-stores</a>			

**Course Designers:**

V.S.Karpagavalli

<b>COURSE NO VG21A04</b>	<b>SEMESTER – V COURSERA COURSE FASHION MARKETING AND MERCHANDISING</b>	<b>Category</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
		<b>Theory</b>	<b>45</b>			<b>3</b>

### Preamble

To impart knowledge on Marketing and Merchandising. To make students gain an in depth knowledge of fashion Visual merchandising. To familiarize the students the concept and process of Market Research and their application in appropriate situation in fashion industry. To enable student to develop market research strategies in competitive environment

### Course Learning Outcomes

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

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

### Mapping with Programme Learning Outcomes

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

S- Strong; M-Medium; L-Low

### 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.

**Reference Books**

S.No.	Author	Title of the Book	Publishers	Year of publication
1	<u>Philip T. Kotler</u>	Fashion Retailing and Visual Merchandising	Fairchild Books	2018
2	<b>Ellen Diamond</b>	Fashion Advertising and Promotion	Fairchild Books,	1999
3	<u>Mary Wolfe</u>	Fashion Marketing & Merchandising Teacher's Resource Guide	Goodheart-Willcox Publisher	<b>2008</b>
4	Mary Wolfe	The World of Fashion Merchandising	<u>Goodheart-Wilcox Publisher</u> (Publisher)	2002

**Course Designers:**

V.S.Karpagavalli

<b>COURSE NO VG21P10</b>	<b>SEMESTER - V SUSTAINABLE TEXTILE PRINTING LAB (PRACTICAL)</b>	<b>Category</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
		<b>Practical</b>			<b>90</b>	<b>6</b>

### Preamble

To develop skill on various printing techniques.

### Course Learning Outcomes

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

<b>CLO Number</b>	<b>CLO Statement</b>	<b>Knowledge Level</b>
<b>CLO1</b>	Understand the various process and the methods of eco friendly preparation of fabrics.	K2
<b>CLO2</b>	Estimate the axillaries require for printing.	K3
<b>CLO3</b>	Apply the print paste on the material as per design.	K3
<b>CLO4</b>	Analysis the aesthetic of the sample after treatment.	K3

### Mapping with Programme Learning Outcomes

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

S- Strong; M-Medium; L-Low

### Syllabus

- 1 Create Design with Block printing – Vegetable block and wooden blocks **10 hrs**
- 2 Create Design for Chest print/ Neck /Yoke designs with Stencil printing. **10 hrs**
- 3 Tie and Dye Designs with any three tie methods with single/ double/Multi colours using Natural dyes. **10 hrs**
- 4 Development of a patterned Fabric using tie and dye Technique. **10 hrs**
- 5 Batik printing with any three methods with single/ double and Multi colours using Natural dyes **10 hrs**
- 6 Print a Design using Screen printing methods. **10 hrs**
- 7 Create a Print Design with a combination of any two print techniques for a Garment. **15 hrs**
- 8 Evolve a Print design for a Shawl. **15 hrs**

### Course Designers:

V.S.Karpagavalli.

<b>COURSE NO</b> <b>VG21P11</b>	<b>SEMESTER - V</b> <b>COMPUTER AIDED GARMENT</b> <b>DESIGNING I – PRACTICAL</b>	<b>Category</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
		<b>Practical</b>			<b>90</b>	<b>6</b>

### Preamble

To develop skill on garment designing using computers.

### Course Learning Outcomes

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

<b>CLO Number</b>	<b>CLO Statement</b>	<b>Knowledge Level</b>
<b>CLO1</b>	Illustrate motif on a garment.	K1
<b>CLO2</b>	Create design using colour theory.	K2
<b>CLO3</b>	Application of colour harmony and principles design in garment.	K3
<b>CLO4</b>	Application of principle of design in garments.	K3
<b>CLO5</b>	Design garments for various occasion	K5

### Mapping with Programme Learning Outcomes

<b>CLOs</b>	<b>PLO1</b>	<b>PLO2</b>	<b>PLO3</b>	<b>PLO4</b>	<b>PLO5</b>
<b>CLO1</b>	S	S	S	S	M
<b>CLO2</b>	S	S	S	S	M
<b>CLO3</b>	S	S	S	S	M
<b>CLO4</b>	S	S	S	S	S
<b>CLO5</b>	S	S	S	S	S

S- Strong; M-Medium; L-Low

### Syllabus

Create the following designs

1. Motifs / small designs. 10 hrs
  - Embroidery designs for Kerchiefs
  - Neck lines and Chest prints for T-shirts
2. Application of colour harmony in Design 20 hrs
  - Monochromatic colour harmony
  - Analogous colour harmony
  - Complementary colour harmony
  - Double Complementary colour harmony
  - Split complementary colour harmony
  - Triad colour harmony
  - Tetrad colour harmony
  - Neutral colour harmony

3. Applications of Principles of design in dress design 30 hrs
- Balance –Formal and informal
  - Rhythm – by line movement, gradation, repetition.
  - Emphasis
  - Proportion
  - Harmony
4. Design Garments for the following. 30 hrs
- Party Wear.
  - Sports Wear- Tennis/Basketball/football / Golf.
  - Fashion show.
  - Winter Wear.
  - Summer Wear.
  - Spring Wear.
  - School uniforms.

**Course Designers:**

V.S.Karpagavalli.

<b>COURSE NO</b> <b>VG21P12</b>	<b>SEMESTER - V</b> <b>DESIGN RESEARCH</b> <b>(PRACTICAL)</b>	<b>Category</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
		<b>Practical</b>			<b>60</b>	<b>4</b>

### Preamble

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

### Course Learning Outcomes

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

<b>CLO Number</b>	<b>CLO Statement</b>	<b>Knowledge Level</b>
<b>CLO1</b>	Explain knowledge on conducting design research.	K3
<b>CLO2</b>	Indicate characteristics of client profiles for potential customers.	K2
<b>CLO3</b>	Understand the process of fashion forecasting and its importance.	K4
<b>CLO4</b>	Interpret and relate fashion forecasts to choose colours and designs based on the theme to meet the needs of the market.	K3

### Mapping with Programme Learning Outcomes

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

S- Strong; M-Medium; L-Low

### Syllabus

The following have to be prepared:

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

### Course Designer:

V.S.Karpagavalli.