



PSGR Krishnammal College for Women



DEPARTMENT OF B.VOC GARMENT DESIGNING

CHOICE BASED CREDIT SYSTEM & OUTCOME BASED EDUCATION SYLLABUS

B.VOC GARMENT DESIGNING (B.VOC GD)

2020 – 2023 BATCH



PROGRAMME OUTCOME - UG

- P01:** Develop patterns for creative garments by flat pattern hand drafting, draping method, or Computer aided pattern drafting methods.
- P02:** Produce creative garments and export services and learns the business communication and required negotiation skills for Boutique maintenance and management.
- P03:** Embellish and create value added garments.
- P04:** To create portfolio for garment designs manually and using software.
- P05:** Thorough knowledge about the process involved in producing the fabric.
- P06:** To check the quality of the fabric and garment

PROGRAMME SPECIFIC OUTCOME

PSO 1:

Graduates will be employed as Assistant Fashion Designer, Fashion Designer, Export Manager and Boutique Manager with their sector skill certificates level – 4, 5, 6 and 7.

PSO 2:

Graduates are 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.

PSO 3:

Graduates will be able to provide consultancy services to the garment industry and also boutiques in the areas like Visual Merchandising, Retail Marketing, Buying & Selling.

PSO 4:

Graduates can 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 & OUTCOME BASED EDUCATION SYLLABUS & SCHEME OF EXAMINATION B.VOC GARMENT DESIGNING (B.VOC GD) – 2020-2023 BATCH

Level 4

Job role: Sewing machine Operator, Hand Embroider

| Se m | Part | Subject Code | Title of the paper | Ins Hrs/ Week | Contact hrs | Tutorial | Duration of Exam | Exam Marks | | | Credits |
|---------|------|---------------------------------|---|---------------------|----------------|----------|---------------------|------------|-----|-----------|---------|
| | | | | | | | | CA | ESE | Tot al | |
| I | I | VTM2001/ VHN2001/ VFR2001 | Language Paper I (Tamil,Hindi,French) | 3 | 41 | 4 | 3 | 40 | 100 | 100 | 3(G)* |
| | II | VEN2001 | Communication & Language Skills I | 3 | 41 | 4 | 3 | 40 | 100 | 100 | 3(G)* |
| | III | VG20A01 | Business Communication (Allied) | 4 | 56 | 4 | 3 | 40 | 100 | 100 | 4(G)* |
| | III | VG20C01 | Fundamentals of sewing & machineries – Paper I | 4 | 56 | 4 | 3 | 40 | 100 | 100 | 4(S)** |
| | III | VG20P01 | Basics in Garment Designing –Practical I | 7 | 90 | - | 3 | 40 | 100 | 100 | 6(S)** |
| | III | VG20P02 | Surface Ornamentation - Practical II | 7 | 90 | - | 3 | 40 | 100 | 100 | 6(S)** |
| | IV | NME18ES/ NME19B1 NME19A1 | Foundation Course (Introduction to Entrepreneurship /Basic Tamil- I/Advanced Tamil-I) | 2 | 26 | 4 | 3 | 10 0 | | | 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 | VTM2002/ VHN2002/ VFR2002 | Language Paper II (Tamil, Hindi, French) | 3 | 41 | 4 | 3 | 40 | 100 | 100 | 3(G)* |
| | II | VEN2002 | Communication & Language Skills II | 3 | 41 | 4 | 3 | 40 | 100 | 100 | 3(G)* |
| | III | VG20AP1 | Basic illustration and fashion concepts – Allied Practical I | 5 | 60 | - | 3 | 40 | 100 | 100 | 4(G)* |
| | III | VG20C02 | Textile Science – Paper II | 5 | 71 | 4 | 3 | 40 | 100 | 100 | 5(S)** |
| | III | VG20C03 | Pattern making and grading- Paper III | 5 | 71 | 4 | 3 | 40 | 100 | 100 | 5(S)** |
| | III | VG20P03 | Garment Construction -I Practical III | 7 | 90 | - | 4 | 40 | 100 | 100 | 6(S)** |
| | IV | | Open Course (Self study Online Course) | | | | | | | | Comple tion certifica |
| | IV | | Basic Tamil- II/Advanced Tamil-II) **** | | | | | | | 100 | No credit |
| | IV | REG16EE | Effective English Communication | 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/ Week | Contact hrs | Tutorial hrs | Duration of Exam | Exam Marks | | | Credits | |
|-----|------|-----------------|--|--------------|-------------|--------------|---------------------|------------|-----|-------|---------|--------|
| | | | | | | | | CA | ESE | Total | | |
| III | III | VG19A02 | Introduction to accountancy - Allied | 3 | 41 | 4 | 3 | 40 | 60 | 100 | 3(G)* | |
| | III | VG20C04 | Concept of fashion and Designers | 3 | 41 | 4 | 3 | 40 | 60 | 100 | 3(G)* | |
| | III | VG20C05 | Traditional costumes and textiles of India | 4 | 56 | 4 | 3 | 40 | 60 | 100 | 4(G)* | |
| | IV | NM14VHR | Value Education and Human rights | 2 | 26 | 4 | - | 100 | - | 100 | 2(G)* | |
| | III | VG20P04 | Draping - Practical | 4 | 60 | - | 3 | 40 | 60 | 100 | 4(S)** | |
| | III | VG20P05 | Fashion Illustration- Practical | 7 | 90 | - | 3 | 40 | 60 | 100 | 6(S)** | |
| | III | VG20P06 | Garment Construction II - Practical | 7 | 90 | - | 4 | 40 | 60 | 100 | 6(S)** | |
| | III | VGINST3 | Internship III | (60 hours) | | | | | | 100 | 2(S)** | |
| IV | III | VG19A03 | Export Management | 5 | 56 | 4 | 3 | 40 | 60 | 100 | 4(G)* | |
| | III | VG20C06 | Textile Processing | 3 | 41 | 4 | 3 | 40 | 60 | 100 | 3(G)* | |
| | III | VG20C07 | Textile Testing | 4 | 41 | 4 | 3 | 40 | 60 | 100 | 3(G)* | |
| | IV | NM11EVS | Environmental Studies | 2 | 26 | 4 | - | 100 | - | 100 | 2(G)* | |
| | III | VG20P07 | Textile Processing Practical | 4 | 60 | - | 3 | 40 | 60 | 100 | 4(S)** | |
| | III | VG20P08 | Textile Testing - Practical | 6 | 90 | - | 3 | 40 | 60 | 100 | 6(S)** | |
| | III | VG20P09 | Garment Construction III – Practical | 6 | 90 | - | 4 | 40 | 60 | 100 | 6(S)** | |
| | V | - | Extension Activities NSS/ NCC/ YRC/ Sports and Games/ Ecowatch/ YiNet/ Rotract | - | - | - | - | - | 100 | 100 | 1(S)* | |
| | III | VGINST4 | Internship IV | | (60 hours) | | | | | | 100 | 2(S)** |

| Sem | Part | Subject Code | Title of the paper | Ins Hrs/Week | Contact hrs | Tutorial hrs | Duration of Exam | Exam Marks | | | Credits |
|-----|------|--------------|--|--------------|-------------|--------------|------------------|------------|----|-----|---------|
| V | III | VG20C08 | Textile Printing Techniques | 4 | 41 | 4 | 3 | 40 | 60 | 100 | 3(G)* |
| | III | VG20C09 | Boutique management | 3 | 41 | 4 | 3 | 40 | 60 | 100 | 3(G)* |
| | III | VG20A04 | Fashion Marketing and Merchandising (Allied /Coursera) | 3 | 41 | 4 | 3 | 40 | 60 | 100 | 3(G)* |
| | III | VG20P10 | Sustainable Textile Printing Lab (Practical) | 6 | 90 | - | 3 | 40 | 60 | 100 | 6(S)** |
| | III | VG19P11 | Computer Aided Garment Designing I– Practical | 6 | 90 | - | 3 | 40 | 60 | 100 | 6(S)** |
| | III | VG19P12 | Innovative Garment Construction– Practical | 6 | 90 | - | 4 | 40 | 60 | 100 | 6(S)** |
| | III | VGINST5 | Internship V | | (120 hours) | | | | | 100 | 4(S)** |
| | | | Community service | | 30 hours | | | | | - | - |
| | IV | NM13IS1 | Information Security – level I | 2 | 26 | 4 | - | 100 | - | 100 | - |

| Sem | Part | Subject Code | Title of the paper | Ins Hrs/Week | Contact hrs | Tutorial hrs | Duration of Exam | Exam Marks | | | Credits |
|-----|------|--------------|--|--------------|-------------|--------------|------------------|------------|-----|-------|---------|
| | | | | | | | | CA | ESE | TOTAL | |
| VI | III | VG20C10 | Fabric Care and Maintenance | 4 | 56 | 4 | 3 | 40 | 60 | 100 | 4(G)* |
| | III | VG20C11 | Entrepreneurship and industrial organization | 4 | 56 | 4 | 3 | 40 | 60 | 100 | 4(G)* |
| | III | VG20A05 | Fabric Formation Techniques (Allied) | 4 | 56 | 4 | 3 | 40 | 60 | 100 | 4(G)* |
| | III | VG20A06 | Coursera – Fashion Marketing | 3 | 41 | 4 | 3 | - | 100 | 100 | 3(S)** |
| | III | VG20P13 | Design Research (Practical) | 3 | 45 | - | 3 | 40 | 60 | 100 | 3(S)** |
| | III | VG20P14 | Computer Aided Garment Designing II– Practical | 6 | 90 | - | 3 | 40 | 60 | 100 | 5(S)** |
| | III | PROJ-FPP | Fashion Portfolio | 6 | 90 | - | 3 | 20 | 80 | 100 | 5(S)** |

Coursera Course: Fashion Marketing / VG20A04

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

* **General Component**

** **Skill Component**

Note: 1 credit is 15 hrs

Internship 1 credit is 30 hrs

| | | | | | | |
|---------|---|----------|----|---|---|--------|
| VG20C01 | 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.

Course Outcomes

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

| CO Number | CO Statement | Knowledge Level |
|-----------|--|-----------------|
| CO1. | Identify the parts of the machine and label it. | K1 |
| CO2. | Describe the function of the sewing machine parts. | K2 |
| CO3. | Find the fault of the machine and rectify it. | K3 |
| CO4. | Analyse the importance of inspection procedure in garment industry | K4 |

Mapping with Programme Outcomes

| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 |
|------|-----|-----|-----|-----|-----|-----|
| CO1. | S | S | S | M | L | M |
| CO2. | S | S | M | M | L | M |
| CO3. | M | S | M | M | L | M |
| CO4. | M | M | M | L | S | S |

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 functions of single needle machine, Special attachments – various type of presser foot, care and maintenance. Common problems and remedies.

UNIT-II

11 hrs

Parts of the machines and their functions. Feed mechanisms, Needles, bobbin and bobbin case, loops and loop Spreader, auxiliary hooks, throat plates, take -ups, tension discs, pressure foot and its types.

UNIT-III

11 hrs

Basics tools for machine maintenance. Different types of cleaning equipment and their use. Lubrication- Purpose of lubrication, oil used for machines, thread lubrication. Common machine problems and the method to rectify.

UNIT – IV**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 – V**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.

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 | Chris Jeffreys | Complete book of sewing | DK Publishing, | 2003 |

Course Designers:

V.S.Karpagavalli

| | | | | | | |
|----------------|---|-----------|---|---|----|--------|
| VG20P01 | 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 Outcomes

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

| CO Number | CO Statement | Knowledge Level |
|-----------|--|-----------------|
| CO1 | Demonstrate - operating, cleaning and oiling of sewing machine | K3 |
| CO2 | Illustrate the parts of the garment. | K2 |
| CO3 | Construct the miniature of the parts of the garment. | K3 |
| CO4 | Apply the suitable accessories in the miniature garment | K3 |
| CO5 | Prepare samples for various parts of the garment | K3 |

Mapping with Programme Outcomes

| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 |
|-----|-----|-----|-----|-----|-----|-----|
| CO1 | M | M | S | S | S | M |
| CO2 | M | S | S | S | M | M |
| CO3 | S | S | M | M | M | M |
| CO4 | S | S | S | M | M | M |
| CO5 | S | S | S | M | S | 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. | 5 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. | 10 hrs |
| 6. Preparation of samples for plackets and fasteners- continuous bound, Two-piece placket, zipper, tailored placket, button and buttonhole, Hook and eye, press button. | 10 hrs |
| 7. Preparation of samples for sleeves- plain sleeve, puff sleeve, raglan sleeve. | 10 hrs |
| 8. Preparation of samples with yoke- partial yoke, simple yoke and yoke supporting fullness. | 10 hrs |
| 9. Preparation of samples for collar- Peter Pan collar, shirt collar and shawl collar. | 10 hrs |
| 10. Preparation of samples for pocket- patch pocket, bound pocket and side pocket. | 10 hrs |
| 11. Preparation of sample for mask – pleated mask, padded mask | 10 hrs |

Course Designers:

V.S.Karpagavalli

| | | | | | | |
|----------------|---|-----------|---|---|----|--------|
| VG20P02 | SURFACE ORNAMENTATION- PRACTICAL | Category | L | T | P | Credit |
| | | Practical | | | 90 | 6 |

Preamble

To impart thorough knowledge on surface embellishments of the garments.

Course Outcomes

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

| CO Number | CO Statement | Knowledge Level |
|-----------|---|-----------------|
| CO1 | Illustrate the motif of the embellishment. | K2 |
| CO2 | Prepare samples of embellishment. | K3 |
| CO3 | Apply suitable embellishment in the miniature garment. | K3 |
| CO4 | Develop their own designs using embellishments. | K3 |
| CO5 | Identify suitable stitches for embroidery designs. | K4 |
| CO6 | Distinguish between manual work and machine for embellishments. | K4 |

Mapping with Programme Outcomes

| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 |
|-----|-----|-----|-----|-----|-----|-----|
| CO1 | M | S | S | M | L | M |
| CO2 | S | S | S | M | L | M |
| CO3 | S | S | S | M | L | M |
| CO4 | S | S | S | M | S | M |
| CO5 | S | S | S | M | M | L |
| CO6 | S | S | S | M | L | L |

S- Strong; M-Medium; L-Low

Syllabus

Prepare samples for the following

| | |
|--|-------|
| 1. Hand embroidery - 15 stitches and fancy embroideries – 5 stitches | 8 hrs |
| 2. Machine Embroidery- 9 stitches - 3 samples. | 8 hrs |
| 3. Applique- 3 types– hand, machine and iron applique | 8 hrs |
| 4. Smocking -3types | 8 hrs |
| 5. Tatting and application of laces | 8 hrs |
| 6. Bead Work -1 sample | 8 hrs |
| 7. Sequins work -1 sample | 7 hrs |
| 8. Zardosi work -1 sample | 7 hrs |
| 9. Belts & Bows – any 2 types. | 7 hrs |
| 10. Mirror & Stone work -1 sample | 7 hrs |

- 11. Patch work & Quilting
- 12. Tassels and fringes

7 hrs
7 hrs

Course Designers:

V.S.Karpagavalli

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|----------------|--|-----------|---|---|----|--------|
| VG20AP1 | 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 Outcomes

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

| CO Number | CO Statement | Knowledge Level |
|-----------|--|-----------------|
| CO1 | Illustrate the motif of the embellishment. | K2 |
| CO2 | Design the fashion figures with head theories, garment and the accessories. | K3 |
| CO3 | Illustrate and describe the colour theories, elements and principles of Design | K3 |
| CO4 | Develop colour harmony in garment designs. | K4 |

Mapping with Programme Outcomes

| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 |
|-----|-----|-----|-----|-----|-----|-----|
| CO1 | M | S | S | M | L | M |
| CO2 | S | S | S | M | L | M |
| CO3 | S | S | S | M | L | M |
| CO4 | S | S | L | M | M | L |

S- Strong; M-Medium; L-Low

Syllabus

- Effects in lines dots, checks and curves with 3D effects **6 hrs**
- Enlarging and reducing motifs. **6 hrs**
- Illustrating collection of accessories ornaments, hat, handbags, Shoes, gloves, coolers and masks. **6 hrs**
- Illustrating pattern details pockets, sleeves, yokes, skirts, trousers, top etc... **6 hrs**
- Illustrating details of pleats, ruffles, shearing, smocking, shuffle etc... **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 **6 hrs**
- Application of elements of design in garments-line, colour, texture, shape, size. **6 hrs**

10. Application of principles of design in garments- Harmony, Emphasis, Proportion, Rhythm, Balance.

6 hrs

Course Designers:

V.S.Karpagavalli

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|----------------|------------------------|----------|----|---|---|--------|
| VG20C02 | TEXTILE SCIENCE | Category | L | T | P | Credit |
| | | Theory | 71 | 4 | | 5 |

Preamble

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

Course Outcomes

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

| CO Number | CO Statement | Knowledge Level |
|-----------|--|-----------------|
| CO1 | Identify the textile fiber | K1 |
| CO2 | Understand the properties and manufacturing process for different fibers | K2 |
| CO3 | Classification of yarns | K2 |
| CO4 | Analysis process of weaving | K4 |
| CO5 | Analysis process of other fabrication methods | K4 |

Mapping with Programme Outcomes

| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 |
|-----|-----|-----|-----|-----|-----|-----|
| CO1 | M | M | M | M | S | M |
| CO2 | M | M | M | M | S | M |
| CO3 | M | M | M | M | S | M |
| CO4 | M | M | M | L | S | M |
| CO5 | S | S | S | M | L | M |

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.

Unit II

14 hrs

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

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

| | | | | | | |
|----------------|-----------------------------------|----------|----|---|---|--------|
| VG20C03 | PATTERN MAKING AND GRADING | Category | L | T | P | Credit |
| | | Theory | 71 | 4 | | 5 |

Preamble

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

Course Outcomes

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

| CO Number | CO Statement | Knowledge Level |
|-----------|---|-----------------|
| CO1 | Define pattern making and grading | K1 |
| CO2 | Explain the standards of a good fit | K2 |
| CO3 | Develop blouse patterns with good fit | K4 |
| CO4 | Describe pattern alteration and grading | K4 |
| CO5 | Identify the design and analysis the layout | K4 |

Mapping with Programme Outcomes

| COs | PO1 | PO2 | PO3 | PO4 | PO5 | P06 |
|-----|-----|-----|-----|-----|-----|-----|
| CO1 | S | S | M | M | M | M |
| CO2 | S | S | M | M | M | M |
| CO3 | S | S | S | S | M | M |
| CO4 | S | S | M | S | S | M |
| CO5 | S | S | M | S | S | M |

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

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|---------|--------------------------------------|-----------|---|---|----|--------|
| VG20P03 | GARMENT CONSTRUCTION -I PRACTICAL | Category | L | T | P | Credit |
| | | Practical | | | 90 | 6 |

Preamble

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

Course Outcomes

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

| CO Number | CO Statement | Knowledge Level |
|-----------|--|-----------------|
| CO1 | Illustrate the design of the garment | K2 |
| CO2. | Create design variation | K3 |
| CO3 | Develop suitable pattern for the garments. | K4 |
| CO4 | Construct garments with suitable designs | K4 |
| CO5 | Manipulate the patterns with various designs | K2 |

Mapping with Programme Outcomes

| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 |
|-----|-----|-----|-----|-----|-----|-----|
| CO1 | M | S | S | S | M | M |
| CO2 | S | S | S | S | M | M |
| CO3 | S | S | S | S | M | M |
| CO4 | S | S | S | M | S | M |
| CO5 | M | S | S | M | S | S |

S- Strong; M-Medium; L-Low

Syllabus

Designing, drafting and constructing the following garments.

1. Bib & Panty- Variations in shapes. 5 hrs
2. Gloves. 5 hrs
3. Baba suit. 10 hrs
4. Zabra- with or without sleeve, front open 10 hrs

| | |
|--|---------------|
| 5. A line petticoat with darts. | 12 hrs |
| 6. Saree petticoat -6 panel or 8 panel | 12 hrs |
| 7. Skirt- plain / umbrella/panel. | 12 hrs |
| 8. Ladies shortkurtha with different designs. | 12 hrs |
| 9. Salwar or Churithar | 12 hrs |

WEB REFERENCES:

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

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

Course Designers:

V.S.Karpagavalli

| | | | | | | |
|----------------|------------------------------------|----------|----|---|---|--------|
| VG19A02 | INTRODUCTION TO ACCOUNTANCY | Category | L | T | P | Credit |
| | | Theory | 41 | 4 | | 3 |

Preamble

1. To familiarise the students with accounting as a tool for management of any business.
2. To acquaint the students with basic concepts of accounting, accounting standards and basic accounting framework.
3. To develop the skills within the students on Business organization

Course Outcomes

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

| CO Number | CO Statement | Knowledge Level |
|------------|---|-----------------|
| CO1 | Examine the concepts and conventions of accounting practices | K1 |
| CO2 | Classify the subsidiary books and interpret final accounts | K2 |
| CO3 | Develop the skills in Business organisation and its legal forms | K3 |

Mapping with Programme Outcomes

| COs | PO1 | PO2 | P03 | P04 | P05 |
|-----|-----|-----|-----|-----|-----|
| CO1 | M | S | M | M | M |
| CO2 | M | S | M | M | M |
| CO3 | M | S | M | M | M |

S- Strong; M-Medium; L-Low

Syllabus

UNIT I

8hrs

Meaning, Nature & Scope of Accounting - Fundamentals of book keeping Rules of accountancy - Importance of accounting - Accounting concepts and conventions - double entry system - advantages - difference between double entry and single entry.

UNIT II

8 hrs

Journal & ledger - Subsidiary books - purchase book , sales book, purchase returns book, sales returns book .and cash book.

UNIT III

9hrs

Cash book- Single, double and triple column cash book. Preparation of trail balance.

UNIT IV

8hrs

Final accounts of a sole trader - trading and profit and loss A/C and balance sheet with simple adjustments.

UNIT V**8 hrs**

Nature and objectives of business - legal forms of business of ownership – sole trader, partnership, company and co-operative societies - advantages and limitations.

Reference Books

| S.No. | Author | Title of the Book | Publishers | Year of publication |
|-------|--------------------------------------|--------------------------------------|----------------------|---------------------------------|
| 1 | Reddy.T.S&A.Murthy | Financial Accounting | Margham Publications | Reprint 2015 |
| 2 | N Vinayagam, P L Main, K L Nagarajan | Principles of accountancy | Sultan Chand & Sons | 2007 fifth edition |
| 3 | DinkerPagare | Business management | Sultan Chand & Sons | 2013Eighteenth revised edition |
| 4 | Y K Bhushan | Business Organization and management | Sultan Chand & Sons | 2013 nineteenth revised edition |

Course Designers:

1. Mrs.P.Shanthipriya
2. Dr. P. Aishwarya

| | | | | | | |
|---------|----------------------------------|----------|----|---|---|--------|
| VG20C04 | CONCEPT OF FASHION AND DESIGNERS | 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 Outcomes

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

| CO Number | CO Statement | Knowledge Level |
|-----------|---|-----------------|
| CO1 | Define fashion, fashion terms and concepts. | K1 |
| CO2 | Describe Fashion Cycle. | K2 |
| CO3 | Forecasting fashion trends. | K3 |

Mapping with Programme Outcomes

| COs | PO1 | PO2 | P03 | P04 | P05 | P06 |
|-----|-----|-----|-----|-----|-----|-----|
| CO1 | S | S | S | S | S | M |
| CO2 | S | S | S | S | M | M |
| CO3 | S | S | S | S | M | M |

S- Strong; M-Medium; L-Low

Syllabus

UNIT-I

8 hrs

Introduction and 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. Fashion evolution – Fashion cycles, length of cycles, consumer groups in fashion cycles – fashion leaders, fashion innovators, fashion motivation, fashion victim, fashion followers. Fashion centers in India. Boutique fashion designers in different states of India.

UNIT-II

8 hrs

Factors influencing fashion changes –Psychological needs of fashion, Social psychology of Fashion, technological, economical, political, legal and seasonal influence. Role of costume as a status symbol, Personality and dress, clothes as sex appeal, cultural value fashion cycles, repetition of fashion.

UNIT-III**8 hrs**

Adoption of Fashion – trickle down, trickle up and trickle across theory. Fashion forecasting – market research, evaluating the collection. Fashion services and resources - Fashion services, color services, video services, news letter services, web sites, directories and references.

UNIT-IV**9 hrs**

Understanding fashion designer – types – classicist, idealist, influences, realist and thinking poet. Haute couture - Indian Fashion designers – **Manish Malhotra, Wendell Rodricks, Abu Jani and Sandeep Khosla, Tarun Tahiliani, JJ Valaya, Rina Dhaka, Manish Arora, Rohit Bal, Ritu Beri, Ritu Kumar**, Omi Gurung, Shilpa Reddy, Vikram Phadnis, Neeta Lulla, Erum Ali, Payal Jain and other new Indian Fashion Designers.

UNIT-V**8 hrs**

World fashion centers –France, Italy, America, Britain, Far East-Contributions of well known designers from France-Agnes, Sophie Albou Italy- Pierre Cardin, Roberto Cavalli, America-Adams Adrian, Joseph Abboud. Britain -Basso & Brooke and Far East Countries - Sandy Powell, Valentino Garavani and other new World Fashion Designers.

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 | <u>Véronique Pouillard</u> | Paris to New York The Transatlantic Fashion Industry in the Twentieth Century | Harvard University Press | 2021 |

Course Designers:

V.S.Karpagavalli

| | | | | | | |
|---------|--|----------|----|---|---|--------|
| VG20C05 | TRADITIONAL COSTUMES AND TEXTILES OF INDIA | Category | L | T | P | Credit |
| | | Theory | 56 | 4 | | 4 |

Preamble

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

Course Outcomes

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

| CO Number | CO Statement | Knowledge Level |
|-----------|---|-----------------|
| CO1 | Identify the Traditional Textiles of India. | K1 |
| CO2 | Associate woven, printed and embroidery textiles of India. | K2 |
| CO3 | Elaborate on various techniques of Indian traditional costumes. | K3 |
| CO4 | Determine on various traditional embroideries of India | K4 |

Mapping with Programme Outcomes

| COs | PO1 | PO2 | P03 | P04 | P05 | P06 |
|-----|-----|-----|-----|-----|-----|-----|
| CO1 | S | S | S | S | S | M |
| CO2 | M | S | S | S | S | M |
| CO3 | M | S | S | S | S | M |
| CO4 | S | S | S | S | S | S |

S- Strong; M-Medium; L-Low

Syllabus

UNIT-I

11hrs

Beginning of Costume, Growth of Dress out of painting, cutting tattooing. Study of dyed and printed textiles of India –Bhandhani, patola, ikkat, kalamkari- in all the above types and techniques used. Study of woven textiles of India – Dacca Muslin, Banarasi/ Chanderi brocades, baluchar, himrus and amrus, Kashmir shawls, pochampalli, Silk sarees of Kancheepuram.

UNIT-II

11 hrs

Costumes of India – Traditional Costume and textiles of different States of India - Tamil Nadu, Kerala, Andhra Pradesh, Karnataka, Maharashtra, Goa, Telangana, Odisha, Chhattisgarh

UNIT-III**11 hrs**

Traditional Costume and textiles of different States of India- Mizoram, Nagaland, West Bengal, Manipur, Assam, Tripura, Meghalaya, Jharkhand, Arunachal Pradesh, Bihar.

UNIT-IV**11 hrs**

Traditional Costume and textiles of different states of India -Himachal Pradesh, Uttarpradesh, Jammu and Kashmir, Madhyapradesh, Rajasthan, Haryana, Punjab, Gujarat, Uttarakhand.

UNIT-V**12hrs**

Traditional embroideries of India – Origin, Embroidery stitches used –embroidery of Kashmir, Phulkari of Punjab, Gujarat – Kutch and Kathiawar, 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 |

Course Designers:

V.S.Karpagavalli

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|----------------|----------------------------|-----------|---|---|----|--------|
| VG20P04 | DRAPING - PRACTICAL | Category | L | T | P | Credit |
| | | 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 Outcomes

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

| CO Number | CO Statement | Knowledge Level |
|------------|--|-----------------|
| CO1 | To know the various components of the garment and learn the preparation of fabric. | K1 |
| CO2 | Illustrate the design for draping. | K2 |
| CO3 | To create the components of the garment using draping technique. | K3 |
| CO4 | Experiment various garment designs using draping method. | K4 |

Mapping with Programme Outcomes

| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 |
|------------|-----|-----|-----|-----|-----|-----|
| CO1 | S | S | S | S | S | M |
| CO2 | S | S | S | S | S | M |
| CO3 | S | S | S | S | S | M |
| CO4 | S | S | S | S | S | M |

S- Strong; M-Medium; L-Low

Syllabus

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

Course Designers:

V.S.Karpagavalli

| | | | | | | |
|---------|----------------------------------|-----------|---|---|----|--------|
| VG20P05 | FASHION ILLUSTRATION – PRACTICAL | Category | L | T | P | Credit |
| | | Practical | | | 90 | 6 |

Preamble

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

Course Outcomes

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

| CO Number | CO Statement | Knowledge Level |
|-----------|---|-----------------|
| CO1 | Illustrate the fabric textures and design. | K2 |
| CO2 | Prepare flat sketches for children, women and men's garments. | K3 |
| CO3 | Develop the garments design using fashion figures. | K3 |
| CO4 | Analyse normal figure into fashion figure. | K4 |
| CO5 | Prepare flat sketches for children, women and men's garments. | K3 |
| CO6 | Develop own garment designs. | K3 |

Mapping with Programme Outcomes

| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 |
|-----|-----|-----|-----|-----|-----|-----|
| CO1 | M | S | S | S | M | M |
| CO2 | S | S | S | S | S | M |
| CO3 | S | S | S | S | S | M |
| CO4 | S | M | M | M | S | S |
| CO5 | S | S | S | S | S | M |
| CO6 | 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

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|---------|---------------------------------------|-----------|---|---|----|--------|
| VG20P06 | GARMENT CONSTRUCTION II- PRACTICAL | Category | L | T | P | Credit |
| | | Practical | | | 90 | 6 |

Preamble

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

Course Outcomes

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

| CO Number | CO Statement | Knowledge Level |
|-----------|--|-----------------|
| CO1 | Illustrate the design of the garment. | K2 |
| CO2 | Draft the patterns for the design. | K3 |
| CO3 | Construct the garment as per the design. | K3 |
| CO4 | Construct garments with various designs | K4 |
| CO5 | Practice their work with various designs | K2 |

Mapping with Programme Outcomes

| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 |
|-----|-----|-----|-----|-----|-----|-----|
| CO1 | M | S | S | S | M | M |
| CO2 | S | S | S | S | M | M |
| CO3 | S | S | S | S | S | M |
| CO4 | S | S | S | M | M | M |
| CO5 | 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 **10hrs**
2. Ruffle Girl frock- with/without sleeve, back placket opening **10hrs**
3. Pyjama – Elastic / Tape attached waist **10hrs**
4. Night dress – front open, with sleeve and pocket, full length. **15hrs**
5. Ladies pant- waist band, zip attached, tight fitting / parallel pants. **15hrs**
6. T Shirts - Crew Neck with full sleeve **15hrs**
7. Bermudas –patch pocket. **15hrs**

Course Designers:

V.S.Karpagavalli

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|----------------|--------------------------|----------|----|---|---|--------|
| VG19A03 | EXPORT MANAGEMENT | Category | L | T | P | Credit |
| | | Theory | 56 | 4 | | 4 |

Preamble

To impart knowledge on processes involved in exports.

Course Outcomes

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

| CO Number | CO Statement | Knowledge Level |
|-----------|--|-----------------|
| CO1 | List the export documents in garment industry. | K1 |
| CO2 | Explain the export procedure. | K2 |
| CO3 | Prepare documents for garment and textile exports. | K3 |
| CO4 | Examine quality inspection procedure in garment and textile industry | K4 |

Mapping with Programme Outcomes

| COs | PO1 | PO2 | P03 | P04 | P05 | P06 |
|-----|-----|-----|-----|-----|-----|-----|
| CO1 | L | S | L | L | L | L |
| CO2 | L | S | L | L | L | L |
| CO3 | L | S | L | L | L | L |
| CO4 | M | S | L | L | L | S |

S- Strong; M-Medium; L-Low

Syllabus

UNIT- I

11 Hrs

Preliminary steps for starting export business- Meaning-Classification of goods for exports- Advantages- Disadvantages- Registration formalities- procedure for obtaining IEC number-Export license-Role of EPCS [Exports Promotion Councils] [AEPC].

UNIT – II

11 Hrs

Export Procedure and export contract: Steps in export procedure- pre-shipment procedure- Shipment procedure-post- shipment procedure. Exchange rate fluctuations Risks- Forward Contracts – Role of ECGC to cover political commercial and comprehensive risks on exports.

UNIT- III**11 Hrs**

Arrangement of export finance: Meaning of export finance-pre- shipment finance- features- types- post- shipment finance-features- types-Institutional framework for export finance-Role of reserve bank of India in export finance.

UNIT- IV**11 Hrs**

Excise clearance -Duty Exemption, Remission, Duty drawback schemes. Quality Inspection- Applications for inspection to inspection agencies, Inspection Certificates CRF. Certificate of origin, GSP Certificate [EIA].

UNIT- V**12 Hrs**

Export Documentation: Introduction - Aligned Documentation System (ADS)-Export documentation in India - Shipping documents. Transport documents - Export promotion measures in India, Preparation of Export documents. Export Association in garment industry.

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 |

Course Designers:

V.S.Karpagavalli

| | | | | | | |
|----------------|---------------------------|----------|----|---|---|--------|
| VG20C06 | TEXTILE PROCESSING | Category | L | T | P | Credit |
| | | Theory | 41 | 4 | | 3 |

Preamble

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

Course Outcomes

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

| CO Number | CO Statement | Knowledge Level |
|-----------|--|-----------------|
| CO1 | Define the term used in wet process. | K1 |
| CO2 | Describe the stages and methods of dyeing, printing and finishing. | K2 |
| CO3 | Explain the procedure involved in the process of dyeing, printing and finishing. | K3 |

Mapping with Programme Outcomes

| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 |
|-----|-----|-----|-----|-----|-----|-----|
| CO1 | M | M | M | M | S | M |
| CO2 | M | M | M | M | S | S |
| CO3 | M | M | M | M | S | S |

S- Strong; M-Medium; L-Low

Syllabus

UNIT I

8 Hrs

Typical sequence of processes. Object and methods - Singeing, Desizing, Scouring, Synthetic Fiber Heat setting, Wool carbonizing, Weighting of silk. Wet processing equipment – kier – J box – pad roll – U box – Roller bed – Conveyor steamer – stenter.

UNIT II

8 Hrs

Mercerization – Theory process - Methods – Chemicals – effects. Bleaching – Hypo chlorites – Hydrogen peroxide – sodium chlorite. Equipments and chemicals for bleaching of cotton, viscose, cotton/ viscose Polyester/ cotton. Evaluation of bleached fabric – whiteness – absorbency – chemical damage - residues

UNIT III**9 Hrs**

Dyeing – Classification of colorants – fastness properties of dyes. Dyeing machines – fiber, yarn and fabric dyeing machines – loose stock fiber bale, hank package, jigger machine, winch machine, HT Beam jet and soft flow machine, padding mangles. Garment dyeing machines.

UNIT IV**8 Hrs**

Introduction and objects of finishing - Importance of finishing, Classification of finishes, Advantages of finishing. Textile Finishes - Beetling, Shearing, Calendaring, Stiffening, Decanting, Tenting, Moiré, Embossing, Glazing, Napping, Sanforizing, Schreiner, Ciering, Raising Wrinkle free finish. Water Proofing, Water repellency, Wash and Wear, fire proofing silk.

UNIT V**8 Hrs**

Wet processing of fabric – Scouring – Bleaching dyeing – printing, calendaring. Shrink controlling - steaming. Wet processing of polyester, Nylon, Silk, wool and their blends. Textile effluents treatment.

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 |

Course Designers:

V S Karpagavalli

| | | | | | | |
|---------|-----------------|----------|----|---|---|--------|
| VG20C07 | TEXTILE TESTING | Category | L | T | P | Credit |
| | | Theory | 41 | 4 | | 3 |

Preamble

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

Course Outcomes

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

| CO Number | CO Statement | Knowledge Level |
|-----------|---|-----------------|
| CO1 | List the fiber, yarn, and fabric testing methods. | K1 |
| CO2 | Describe the testing methods. | K2 |
| CO3 | Illustrate and explain the procedure involved in testing procedure. | K3 |

Mapping with Programme Outcomes

| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 |
|-----|-----|-----|-----|-----|-----|-----|
| CO1 | M | M | M | M | S | S |
| CO2 | M | M | M | M | S | S |
| CO3 | M | M | M | M | S | S |

S- Strong; M-Medium; L-Low

Syllabus

UNIT I

8Hrs

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: Fabric strength tester – Tensile strength, tearing strength & bursting strength. Abrasion – Types of abrasion – pilling – Martindale pill box tester. Course length and loop length of knitted fabric.

UNIT V**8 Hrs**

Drape -Drape meter, Fabric stiffness - Shirley stiffness Tester, Colour fastness-Water, light and rubbing, 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 |

Course Designers:

V S Karpagavalli

| | | | | | | |
|----------------|---|-----------|---|---|----|--------|
| VG20P07 | TEXTILE PROCESSING - PRACTICAL | Category | L | T | P | Credit |
| | | Practical | | | 60 | 4 |

Preamble

To enable the students to create and dye material.

Course Outcomes

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

| CO Number | CO Statement | Knowledge Level |
|-----------|--|-----------------|
| CO1 | List the dyes used for dyeing | K2 |
| CO2 | Estimate the dyes and chemicals required for dyeing. | K3 |
| CO3 | Prepare the dyed sample and explain the procedure | K3 |
| CO4 | Identify the suitable dye for given sample | K4 |

Mapping with Programme Outcomes

| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 |
|-----|-----|-----|-----|-----|-----|-----|
| CO1 | M | M | M | M | S | M |
| CO2 | M | M | M | M | S | M |
| CO3 | M | S | S | S | S | M |
| CO4 | M | S | M | M | S | M |

S- Strong; M-Medium; L-Low

Syllabus

Preparation of samples for Processing

- Desizing **3 hrs**
- Scouring **3 hrs**
- Bleaching **6 hrs**
- Mercerizing **6 hrs**

Dye the given fabric using suitable dye

- Direct Dye **7 hrs**
- Disperse Dyes **7 hrs**
- Reactive Dyes (Hot & Cold Brand) **7 hrs**
- Acid Dyes **7 hrs**
- Basic Dyes **7 hrs**
- Natural Dyes (any three) **7 hrs**

Course Designers:

V S Karpagavalli

| | | | | | | |
|----------------|------------------------------------|-----------|---|---|----|--------|
| VG20P08 | TEXTILE TESTING - PRACTICAL | Category | L | T | P | Credit |
| | | Practical | | | 90 | 6 |

Preamble

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

Course Outcomes

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

| CO Number | CO Statement | Knowledge Level |
|------------|---|-----------------|
| CO1 | Identify the fibers | K2 |
| CO2 | Describe the methods of testing. | K3 |
| CO3 | Examine the fabric and explain the procedure used for testing. | K3 |
| CO4 | Determine the various properties of the fabric. | K4 |
| CO5 | Find out different type of testing methods for yarn and fabric. | K3 |

Mapping with Programme Outcomes

| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 |
|------------|-----|-----|-----|-----|-----|-----|
| CO1 | M | M | M | M | S | S |
| CO2 | M | M | M | M | S | S |
| CO3 | M | M | M | M | S | S |
| CO4 | M | M | M | M | S | M |
| CO5 | M | M | M | M | S | S |

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.
2. Determining the counting of the yarn using beesley's balance

9 hrs

9 hrs

| | |
|---|--------------|
| 3. Determining the twist of the yarn using twist tester. | 9 hrs |
| 4. Determining the weight of the fabric. | 9 hrs |
| 5. Determining the fabric count by | 9 hrs |
| a. Raveling method | |
| b. Pick Glass method | |
| 6. Determining the Course length and loop length of knitted fabric. | 9 hrs |
| 7. Determining the Colour fastness. | |
| a. Water | |
| b. Light | 9 hrs |
| 8. Determining the dimensional stability test. | 9 hrs |
| 9. Determining the absorbency test. | 9 hrs |
| 10. Determining the tensile strength of the given fabric. | 9 hrs |

Course Designers:

V S Karpagavalli

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|----------------|---|-----------|---|---|----|--------|
| VG20P09 | GARMENT CONSTRUCTION III - PRACTICAL | Category | L | T | P | Credit |
| | | Practical | | | 90 | 6 |

Preamble

To impart knowledge to draw the Designing and pattern making, cutting and construction of the garments

Course Outcomes

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

| CO Number | CO Statement | Knowledge Level |
|------------|--|-----------------|
| CO1 | Design the design of the garment | K2 |
| CO2 | Draft the flat sketch of the garment | K3 |
| CO3 | Construct the garment as sketched. | K3 |
| CO4 | Construct garments with various designs | K4 |
| CO5 | Practice their work with various designs | K2 |

Mapping with Programme Outcomes

| COs | PO1 | PO2 | PO3 | PO4 | PO5 | P06 |
|------------|-----|-----|-----|-----|-----|-----|
| CO1 | M | S | S | S | M | M |
| CO2 | S | S | S | S | M | M |
| CO3 | S | S | S | S | M | M |
| CO4 | S | S | S | M | M | M |
| CO5 | S | S | S | M | S | S |

S- Strong; M-Medium; L-Low

Syllabus

1. Top and skirt -crop top with fashionable neck and sleeve, Wrap round skirt with cord. **10hrs**
2. S.B.Vest – with/ without collar, button attached, sleeveless. **10 hrs**
3. Slack shirt – full open, shirt collar, patch pocket with sleeve. **10 hrs**
4. Poncho with bottom – with/without Collar, sleeveless, placket attached. **10 hrs**
5. Sherwani –stand collar, side pocket, and half open with full sleeve. **10hrs**
6. Blouse- front open, fashioned neck, Waist band at front, with sleeves. **10hrs**
7. Pleated trousers – Pleats in front, Darts at back, side pocket, fly with button /zip. **15hrs**
8. Lehanga – umbrella / panel skirt with waist band and blouse with shawl. **15hrs**

Course Designers:

V S Karpagavalli

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|------------------------------------|---|-----------------|-----------|----------|----------|---------------|
| COURSE NO VG20C08 | SEMESTER - V TEXTILE PRINTING TECHNIQUES | Category | L | T | P | Credit |
| | | Theory | 41 | 4 | | 3 |

Preamble

To impart more knowledge on printing techniques.

Course Learning Outcomes

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

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

Mapping with Programme Learning Outcomes

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

S- Strong; M-Medium; L-Low

Syllabus

UNIT-I

8 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

8 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

| | | | | | | |
|------------------------------|---|-----------------|-----------|----------|----------|---------------|
| COURSE NO VG20C09 | SEMESTER - V BOUTIQUE MANAGEMENT | Category | L | T | P | Credit |
| | | Theory | 41 | 4 | | 3 |

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

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

Mapping with Programme Learning Outcomes

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

S- Strong; M-Medium; L-Low

Syllabus

UNIT- I

8 Hrs

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

8 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 | https://www.bizmove.com/starting-business/how-to-start-a-boutique-business.pdf https://www.thebalancesmb.com/department-store-mission-statements-4068552 https://www.entrepreneur.com/article/38290 https://www.smartsheet.com/store-layout https://www.smartsheet.com/retail-store-operations https://www.shopkeep.com/blog/promotion-ideas-for-retail-stores | | | |

Course Designers:

V.S.Karpagavalli

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|------------------------------|---|-----------------|-----------|----------|----------|---------------|
| COURSE NO VG20A04 | SEMESTER – V FASHION MARKETING AND MERCHANDISING | Category | L | T | P | Credit |
| | | Theory | 41 | 4 | | 3 |

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

| 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 | PLO6 |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| CLO1 | M | S | M | S | M | M |
| CLO2 | M | S | M | S | M | M |
| CLO3 | S | M | S | S | S | M |
| CLO4 | M | S | M | S | M | M |

S- Strong; M-Medium; L-Low

Syllabus

UNIT - I

8 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

8 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**8 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**8 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 | Ellen Diamond | Fashion Advertising and Promotion | Fairchild Books, | 1999 |
| 3 | <u>Mary Wolfe</u> | Fashion Marketing & Merchandising Teacher's Resource Guide | Goodheart-Willcox Publisher | 2008 |
| 4 | Mary Wolfe | The World of Fashion Merchandising | <u>Goodheart-Wilcox Publisher</u> (Publisher) | 2002 |

Course Designers:

V.S.Karpagavalli

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|------------------------------|--|------------------|----------|----------|-----------|---------------|
| COURSE NO VG20P10 | SEMESTER - V SUSTAINABLE TEXTILE PRINTING LAB (PRACTICAL) | Category | L | T | P | Credit |
| | | Practical | | | 90 | 6 |

Preamble

To develop skill on various printing techniques.

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 eco friendly preparation of fabrics. | K2 |
| CLO2 | Estimate the axillaries require for printing. | K3 |
| CLO3 | Apply the print paste on the material as per design. | K3 |
| CLO4 | Analysis the aesthetic of the sample after treatment. | K3 |

Mapping with Programme Learning Outcomes

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

| | | | | | | |
|------------------------------|--|------------------|----------|----------|-----------|---------------|
| COURSE NO VG19P11 | SEMESTER - V COMPUTER AIDED GARMENT DESIGNING I – PRACTICAL | Category | L | T | P | Credit |
| | | Practical | | | 90 | 6 |

Preamble

To develop skill on garment designing using computers.

Course Learning Outcomes

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

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

Mapping with Programme Learning Outcomes

| CLOs | PLO1 | PLO2 | PLO3 | PLO4 | PLO5 | PLO6 |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| CLO1 | S | S | S | S | M | M |
| CLO2 | S | S | S | S | M | M |
| CLO3 | S | S | S | S | M | M |
| CLO4 | S | S | S | S | S | S |
| CLO5 | S | 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

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|------------------------------|---|------------------|----------|----------|-----------|---------------|
| COURSE NO VG19P12 | SEMESTER - V INNOVATIVE GARMENT CONSTRUCTION - PRACTICAL | Category | L | T | P | Credit |
| | | Practical | | | 90 | 6 |

Preamble

To impart the knowledge to create innovative designs in the garment using colour, design and fabric textures and colour theory and principles of designs

Course Learning Outcomes

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

| CLO Number | CLO Statement | Knowledge Level |
|-------------------|---|------------------------|
| CLO1 | Illustrate garment design | K1 |
| CLO2 | Draft the patterns for the design | K2 |
| CLO3 | Construct the garments as per the design | K3 |
| CLO4 | Construct recent fashion garments as per design | K3 |
| CLO5 | Construct party wear garment as per design | K3 |
| CLO6 | Design and construct the bridal garment | K5 |

Mapping with Programme Learning Outcomes

| CLOs | PLO1 | PLO2 | PLO3 | PLO4 | PLO5 | PLO6 |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| CLO1 | S | M | S | S | M | M |
| CLO2 | S | M | S | S | M | M |
| CLO3 | S | M | S | S | M | S |
| CLO4 | S | S | S | S | M | M |
| CLO5 | S | S | S | S | M | M |
| CLO6 | S | S | S | S | M | M |

S- Strong; M-Medium; L-Low

Syllabus

1. Design and construct Children's garment of latest trend - Boy & Girl. **15 hrs**
2. Design and construct Women's garment of latest trend - knitted & woven. **15 hrs**
3. Design and construct Men's garment of latest trend- knitted & woven. **15 hrs**
4. Design and construct garment for a Western wear – men/women. **15 hrs**
5. Design and construct garment for a Fashion Show based on a theme - men/women. **15 hrs**
6. Design and construct a Bridal/Party wear – men/women. **15 hrs**

Course Designers:

V.S.Karpagavalli

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|------------------------------------|---|-----------------|-----------|----------|----------|---------------|
| COURSE NO VG20A05 | SEMESTER –VI FABRIC FORMATION TECHNIQUES | Category | L | T | P | Credit |
| | | Theory | 56 | 4 | | 4 |

Preamble

To develop and gain knowledge about the woven fabric formation, different types of weaves, analyze a fabric and learn the principles of creating textile designs.

Course Learning Outcomes

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

| CLO Number | CLO Statement | Knowledge Level |
|-------------------|--|------------------------|
| CLO1 | Interpret the process involved in weaving and knitting. | K1 |
| CLO2 | Explain about different types of weaving and knitting. | K2 |
| CLO3 | Analysis of weaving and knitting structure and their defects | K3 |
| CLO4 | Analyse non woven fabric structures and their defects | K3 |

Mapping with Programme Learning Outcomes

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

S- Strong; M-Medium; L-Low

Syllabus

UNIT-I 10 hrs

Introduction to weaving - construction of elementary weaves – plain, warp rib, weft rib, twill, modification of twills, satin and sateen weaves – their derivatives.

UNIT-II 10 hrs

Honey comb - ordinary and brighten, its modification, huck a back and its modifications, crepe weaves, mock leno.

UNIT-III 12 hrs

Extra warp and extra weft figuring – single and two colours, backed fabric, warp and weft backed fabrics, terry pile, double cloth. Defect analyses of woven structure - causes and remedies.

UNIT-IV 12 hrs

Introduction to knitting - weft knit structure - plain, rib, interlock, pique. Warp knit structure - tricot and raschel. Defect analyses of knit structure - causes and remedies.

UNIT-V**12 hrs**

Introduction to non- woven's, basic methods and types of non-woven, structure and formation of non-woven. Defect analysis of nonwoven fabric - causes and remedies.

Reference Books

| S.No. | Author | Title of the Book | Publishers | Year of publication |
|-------|-------------------------------|---|-------------------|---------------------|
| 1 | Prabir kumar Banerjee | Principles of Fabric Formation | CRC Press edition | 2018 |
| 2 | Khubab shaker, Muhammad umair | Fabric Manufacturing | De Gruyter | 2016 |
| 3 | Kumar Banerjee | Meri pustak-Principle of fabric Formation | T&F –India | 2019 |
| 4 | Dr.Mukesh Kumar Singh | Industrial Practices in Weaving Preparatory | Wood head | 2021 |

Course Designer:

A.Yamunadevi

| | | | | | | |
|------------------------------|--|-----------------|-----------|----------|----------|---------------|
| COURSE NO VG20C10 | SEMESTER – VI FABRIC CARE AND MAINTENANCE | Category | L | T | P | Credit |
| | | Theory | 56 | 4 | | 4 |

Preamble

To impart the knowledge about laundering techniques. To know about soap manufacturing process and create awareness of stains and stain removals.

Course Learning Outcomes

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

| CLO Number | CLO Statement | Knowledge Level |
|-------------------|---|------------------------|
| CLO1 | Understand the properties of cleaning agents. | K1 |
| CLO2 | Classify special types of laundry methods. | K2 |
| CLO3 | Categorize the fabrics for laundering methods | K3 |
| CLO4 | Identification of stains and remedial measures. | K2 |

Mapping with Programme Learning Outcomes

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

S- Strong; M-Medium; L-Low

Syllabus

UNIT-I

12 hrs

Water - hard and soft water, methods of softening water. Laundry soaps – manufacture of soap (hot process, cold process), composition of soap - types of soap, soap less detergents, chemical action, detergent manufacture, advantages and disadvantages of detergents. Difference between soaps and detergents.

UNIT-II

12 hrs

Finishes - stiffening agents - starch (cold water and hot water), other stiffening agents – natural, modified natural and synthetic stiffeners, preparation of starch. Laundry blues - their application. Care labels – washing, bleaching, drying, ironing and different placements of label in garments.

UNIT-III

12 hrs

Laundry equipment - for storage, for steeping and washing – wash board, suction washer, wash boiler, washing machine. Drying equipments – outdoor and indoor types. Irons and ironing board – types of iron (box, flat, automatic, steam iron). Ironing board – different types.

UNIT-IV**10 hrs**

Principles of washing – suction washing, washing by kneading and squeezing. Washing by machine - process details and machine details. Laundering of different fabrics – cotton, linen, silk, rayon, nylon, woolen and colored fabrics. Laundering of protective clothes. Dry cleaning- definition and its types. Dry cleaning – using absorbents, using grease solvents.

UNIT-V**10 hrs**

Special types of laundry – water proof coats, silk ties, leather goods, furs, plastics, and lace. Storing – points to be noted. Stain removal – food stains, lead pencil, lipstick, mildew, nose drops, paint, perfume, perspiration, tar, turmeric and kum - kum. Restricted substances lists and their effects.

Reference Books

| S.No. | Author | Title of the Book | Publishers | Year of publication |
|-------|-------------------------------------|--|--------------------|---------------------|
| 1 | Rajkishore Nayak | Care and Maintenance of Textile product Including Apparels and Protective Clothing | Taylor and Francis | 2018 |
| 2 | Vikash Pandey | Home science- Care and Maintenance of fabric in institution | Aglasem | 2020 |
| 3 | Asis and Patnaik , Rajkishore Nayak | Waste Management in the Fashion and Textile Industries | Elsevier Science | 2021 |
| 4 | Seema Sakhri | Text book of fabric science Fundamentals of Finishing | PHI Learning | 2020 |
| 5 | Priyanka kakkar | General Care and Maintenance of Fabric | Blog | 2015 |
| 6 | Susheela Dantyagi | Fundamentals of textiles and their care | Exotic India | 2021 |

Course Designer:

A.Yamunadevi

| | | | | | | |
|------------------------------|---|-----------------|-----------|----------|----------|---------------|
| COURSE NO VG20C11 | SEMESTER – VI ENTREPRENEURSHIP AND INDUSTRIAL ORGANIZATION | Category | L | T | P | Credit |
| | | Theory | 56 | 4 | | 4 |

Preamble

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

Course Learning Outcomes

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

| CO Number | CO Statement | Knowledge Level |
|------------------|---|------------------------|
| CLO1 | Understand the characteristics of entrepreneurship | K1 |
| CLO2 | Describe the Institutions supporting entrepreneurs | K2 |
| CLO3 | List the departments involved in a garment unit | K3 |
| CLO4 | Demonstrate fashion design and layout of a garment industry | K3 |

Mapping with Programme Outcomes

| CLOs | PO1 | PO2 | P03 | P04 | P05 | P06 |
|-------------|------------|------------|------------|------------|------------|------------|
| CLO1 | M | S | M | M | S | S |
| CLO2 | M | S | M | M | S | M |
| CLO3 | M | S | S | M | S | S |
| CLO4 | M | S | M | S | M | S |

S- Strong; M-Medium; L-Low

Syllabus

UNIT-I

11 hrs

Entrepreneurship - Meaning, definition, types and need for entrepreneurs, qualities of entrepreneurship. Difference between entrepreneur and manager. Factors affecting entrepreneurial growth – economic and non economic factors. Problems of entrepreneur – women entrepreneurs.

UNIT-II

11hrs

Entrepreneurial development programmes – need and objectives. Management - Definition, management as a process – planning, organizing, directing, controlling, and co-ordination. Institutions supporting entrepreneurs - DIC, NSIC, SISI, SIPCOT, THIC, KVIC, CODISSIA, commercial banks and financial assistance to entrepreneurs.

UNIT-III**11hrs**

Different department in a garment unit – design department, finance department, purchasing department, production department. Organizing different sections – hierarchy personnel involved in all the departments - nature of the job. Organizational structure of a garment unit – hierarchical organization, production, planning and control.

UNIT-IV**11 hrs**

Factory design and layout – importance of factory design, factors affecting factory design, types of buildings, (single and Multi - storey) – advantages and limitation. Factory layout – process, product and combined layout. Design requirement – requirements relating to health, safety and welfare.

UNIT-V**12 hrs**

Performance of Indian Garment Export, SWOT analysis. Setting up of garment unit for export market, export document, export finance - payment method, export shipping, role of merchandiser in a garment unit. Process involved in buying house.

Reference Books

| S.No. | Author | Title of the Book | Publishers | Year of publication |
|-------|-----------------------------------|--|-----------------------------|---------------------|
| 1 | Dinakarpagare | Principles of management | sultan Chand and sons | 1980 |
| 2 | Dr. C.B Gupta, Dr N.P .Srinivasan | Entrepreneurship Development in India | sultan Chand and sons delhi | 1997 |
| 3 | Darlie O Koshy | Garment Exports | | 1997 |
| 4 | AJ Chester 2nd Edition | Introduction to clothing production management | Wrenbury Associates Ltd | 1998 |
| 5 | Harold Carr and Barbara Latham | The technology of clothing manufacture | Blackwell Science | 1994 |
| 6 | Chris Walker | Garment production for fashion start-ups | Independently Published | 2019 |

Course Designer:

A.Yamunadevi

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|------------------------------------|--|------------------|----------|----------|-----------|---------------|
| COURSE NO VG20P13 | SEMESTER - VI DESIGN RESEARCH (PRACTICAL) | Category | L | T | P | Credit |
| | | Practical | | | 60 | 4 |

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

| 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 | Understand the process of fashion forecasting and its importance. | K4 |
| CLO4 | 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

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

S- Strong; M-Medium; L-Low

Syllabus

The following have to be prepared:

- | | |
|---|---------------|
| 1. Curriculum vita | 5 Hrs |
| 2. Page of content | 3 Hrs |
| 3. Design Research and Mind map | 8 Hrs |
| 4. Conceptualization and Ideation | 6 Hrs |
| 5. Boards - Mood board - Theme board/story board - Colour board | 13 Hrs |
| 6. Boards -Forecast board - Fabrics sourcing board - Trims sourcing board | 13 Hrs |
| 7. Client profile | 4 Hrs |
| 8. Fashion Illustration presentation board for Men/Women/Kid | 8 Hrs |

Course Designer:

A.Yamunadevi

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|------------------------------|--|------------------|----------|----------|-----------|---------------|
| COURSE NO VG20P14 | SEMESTER - VI COMPUTER AIDED GARMENT DESIGNING II – PRACTICAL | Category | L | T | P | Credit |
| | | Practical | | | 90 | 6 |

Preamble

To get familiarize with the CAD apparel software used in garment industry.

Course Learning Outcomes

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

| CLO Number | CLO Statement | Knowledge Level |
|-------------------|--|------------------------|
| CLO1 | Design portfolio collection and swatch board for different garments. | K4 |
| CLO2 | Understand the procedures for pattern development and grading. | K1 |
| CLO3 | Prepare Marker and calculate marker efficiency. | K4 |
| CLO4 | Interpret output for pattern development, grading and marker efficiency. | K2 |

Mapping with Programme Learning Outcomes

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

S- Strong; M-Medium; L-Low

Syllabus

1. Software Basics – Tool Kit, Features and Techniques.

20 hrs

Create/Compile a Portfolio with the following details – theme board, mood board, color board and Swatch board for

- SO samples
- Men's/Women's/Children's Garments
- Fashion Illustration

2. Preparation of Patterns for the following

20 hrs

- Salwar and Kameez
- Sherwani
- Full Sleeve Shirt
- Trousers - narrow bottom or bell bottom
- Lehanga with blouse

3. Grade the following patterns for 3 sizes **20 hrs**
- Salwar and Kameez
 - Sherwani
 - Full sleeve shirt
 - Trousers - narrow bottom or bell bottom
 - Lehanga with blouse
4. Marker planning and efficiency for the following garments **30 hrs**
- Salwar and Kameez
 - Sherwani
 - Full sleeve shirt
 - Trousers - narrow bottom or bell bottom
 - Lehanga with blouse

Course Designer:

A.Yamunadevi

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|-------------------------------|--|------------------|----------|----------|-----------|---------------|
| COURSE NO PROJ-FPP | SEMESTER - VI FASHION PORTFOLIO | Category | L | T | P | Credit |
| | | Practical | | | 90 | 6 |

Preamble

To enable students develop a comprehensive portfolio showcasing their professional competencies and skills.

Course Learning Outcomes

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

| CLO Number | CLO Statement | Knowledge Level |
|-------------------|---|------------------------|
| CLO1 | Illustrate the designs for a theme. | K1 |
| CLO2 | Prepare portfolio boards and sourcing of materials. | K2 |
| CLO3 | Prepare patterns and construct garments as per a theme. | K3 |
| CLO4 | Calculate the price of developed garments. | K3 |

Mapping with Programme Learning Outcomes

| CLOs | PO1 | PO2 | PLO3 | PLO4 | PLO5 | PLO6 |
|-------------|------------|------------|-------------|-------------|-------------|-------------|
| CLO1 | S | 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

Portfolio development:

- Flat Sketches **10 Hrs**
- Silhouette board **10 Hrs**
- Spec sheet (6 garments) **10 Hrs**
- Pattern Development **10 Hrs**
- Product Development **15 Hrs**
- Costing of the garments **10 Hrs**
- Photo shoot **10 Hrs**
- Final presentation **15 Hrs**

Instruction to students:

- Number of garments in a collection – 6 garments (Men/Women/Kid).
- One product from portfolio collection to be presented in fashion show.
- Spec sheet should contain design illustration, technical drawings, component detail, measurement chart ,Fabric indication (swatch), fabric consumption and accessories details
- Colletion to be based on innovative fabric combination, surface texture and ornamemtaion

- Product design and embroidery motif should be original.
- The portfolio collection should also be given in digital format.

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