



**MARUDHAR KESARI JAIN COLLEGE FOR WOMEN
(AUTONOMOUS)**

Vaniyambadi – 635 751

UG Department of Costume Design and Fashion Technology

For

Undergraduate Programme

Bachelor of Science in Costume Design and Fashion Technology

From the Academic Year 2024-2025

| Semester - III | | | | | | |
|----------------|--|---|---|---|-----------|-----------|
| 24UFTA31 | Tamil – III | 4 | 1 | 0 | 0 | 3 |
| 24UFUR31 | Urdu – III | | | | | |
| 24UFEN31 | English – III | 4 | 1 | 0 | 0 | 3 |
| 24UCDC31 | CC – 5 History of Costumes | 3 | 1 | 2 | 0 | 5 |
| 24UCDC32P | CC - 6 (Practical) Garment Construction- Children's wear Practical | 0 | 0 | 4 | 0 | 2 |
| 24UCDA31 | EC - 4 AL A) Industry module - Industrial Garment Machineries | 3 | 1 | 0 | 0 | 4 |
| 24UCDA32 | B) Fashion Merchandising | | | | | |
| 24UCDA33P | EC - 5 AL (Practical) A) Fashion Draping Practical | 0 | 0 | 2 | 0 | 2 |
| 24UCDA34P | B) Pattern Making for Knits practical | | | | | |
| 24UCDS31P | SEC – 4 Ornaments and Accessory making Practical | 0 | 0 | 2 | 0 | 2 |
| 24UAEC31 | AEC – 2 HUMAN ETHICS AND VALUES | 1 | 1 | 0 | 0 | 2 |
| | | | | | 30 | 23 |

| Semester - IV | | | | | | |
|---------------|--|---|---|---|-----------|-----------|
| 24UFTA41 | Tamil - IV | 4 | 1 | 0 | 0 | 3 |
| 24UFUR41 | Urdu – IV | | | | | |
| 24UFEN41 | English - IV | 4 | 1 | 0 | 0 | 3 |
| 24UCDC41 | CC – 7 Advance Garment Construction Techniques | 3 | 1 | 2 | 0 | 5 |
| 24UCDC42P | CC - 8 Garment construction Adult Wear Practical | 0 | 0 | 4 | 0 | 2 |
| 24UCDA41 | EC - 6 AL A) Sustainable and Eco- Fashion | 3 | 1 | 0 | 0 | 4 |
| 24UCDA42 | B) Knitting | | | | | |
| 24UCDA43P | EC - 7 AL (Practical) A) Eco Dyeing and Printing Practical | 0 | 0 | 2 | 0 | 2 |
| 24UCDA44P | B) Knitting practical | | | | | |
| 24UCDS41 | SEC – 5 Fashion psychology | 0 | 0 | 2 | 0 | 2 |
| 24UAEC41 | AEC – 3 ENVIRONMENTAL STUDIES AND DISASTER MANAGEMENT | 1 | 1 | 0 | 0 | 2 |
| | | | | | 30 | 23 |

| | | | | | |
|--------------|---------------------------|----|-----|----------------------------|---|
| Part – 1 & 2 | Tamil & English | 4 | SEC | Skill Elective Course | 5 |
| CC | Core Course | 15 | FC | Foundation Course | 1 |
| EC-AL | Elective Course – Applied | 7 | AEC | Ability Enhancement Course | 4 |
| EC | Elective Course - Major | 4 | SLC | Self-Learning Course | 1 |

2 nd YEAR: THIRD SEMESTER

| Subject Code | Course Name | Category | L | T | P | S | Credits | Hours | Marks | | |
|----------------------------|--|----------|---|---|---|---|---------|-------|-------|----------|-------|
| | | | | | | | | | CIA | External | Total |
| 24UCDC31 | HISTORY OF COSTUMES | CC – 7 | 3 | 2 | 2 | 0 | 5 | 6 | 25 | 75 | 100 |
| Learning Objectives | | | | | | | | | | | |
| LO1 | To recall key facts about ancient civilizations and Indian traditional costumes. | | | | | | | | | | |
| LO2 | To understand traditional costumes across different European regions. | | | | | | | | | | |
| LO3 | To recognize the traditional men's and women's costumes of Eastern countries. | | | | | | | | | | |
| LO4 | To analyze the social and cultural factors of American fashion. | | | | | | | | | | |
| LO5 | To understand the geographic and cultural factors of art forms. | | | | | | | | | | |
| Unit | Content | | | | | | | | | | Hours |
| 1 | Ancient Indian Costumes Vedic Period, Gupta period, Kushan period, Sunga period ornaments, accessories and head wears, regional costumes of India | | | | | | | | | | 20 |
| 2 | European Costumes British, France, Greece, Roman, Egypt, -Men Women Costume & Accessories | | | | | | | | | | 16 |
| 3 | Costumes of Eastern Countries Japan, Sri Lanka, Pakistan, China and Thailand- Men and Women Cultural Significance, Costumes, Accessories. | | | | | | | | | | 16 |
| 4 | American Costumes Men's and Women's Costume 17 th , 18 th , 19 th Century – Cultural Significance, Fabric, Colour, Accessories, styles, Cultural and Political Factors Affecting Fashion. | | | | | | | | | | 18 |
| 5 | World Art Tanjore Painting, Warli, Gond art, Madhubani art, Tinga Tinga- African, Ink wash- Chinese, Dada and Romanticism. | | | | | | | | | | 20 |

| CO | Course Outcomes |
|-------------------------|---|
| CO1 | Evaluate the socio-political impact on Indian costumes. |
| CO2 | Analyze the role of cultural, social, and political factors in shaping European costumes. |
| CO3 | Explore the historical and cultural development of traditional clothing in Eastern countries. |
| CO4 | Understand the evolution of American costumes and their socio-historical context. |
| CO5 | Explore various world art forms and their cultural and historical significance. |
| Text Books: | |
| 1 | Biswas, A. (Arabinda), Indian Costumes, 2017, Publications Division, Ministry of Information & Broadcasting, Government of Indi |
| 2 | RoshenAlkaz, (1983) "Ancient Indian Costumes". Art Heritage, New Delhi |
| 3 | Vishu Arora, (2108) "Suvasas the Beautiful Costumes", Abhishek Publication, Chandigarh, India. |
| 4 | Dorling Kindersley (2112), Fashion, The Ultimate Book of Costume and Style, Published by Dorling Kindersley Limited; London |
| Reference Books: | |
| 1 | Carolyn G. Bradley, (2101) "Western World Costume an Outline History". Dover Publications, Mineola. |
| 2 | Mary G Houston. (2103)Ancient Greek, Roman and Byzantine Costume, Dover Publications, Mineola. |
| 3 | Valarie Burnham Oliver (1996) "Fashion and Costume in American Popular Culture" Greenwood Publishing Group, Inc., |
| Web resources: | |
| 1 | https://www.jdinstitute.edu.in/fashion-history-of-costumes/ |
| 2 | https://study.com/academy/lesson/traditional-clothing-around-the-world.html |
| 3 | https://www.cuttersguide.com/pdf/References/British%20costume%20a%20complete%20history%20of%20the%20dress%20of%20the%20inhabitants%20of%20the%20British%20Islands.pdf |
| 4 | https://muselot.in/blogs/news/20-traditional-painting-styles-in-india |

Mapping with programme outcomes and programme specific outcomes

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PSO1 | PSO2 | PSO3 |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| CO1 | 3 | 3 | 2 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 3 |
| CO2 | 3 | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 |
| CO3 | 3 | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 |
| CO4 | 3 | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 |
| CO5 | 2 | 3 | 2 | 2 | 3 | 2 | 3 | 3 | 2 | 2 | 3 |
| Total | 14 | 15 | 10 | 11 | 11 | 10 | 15 | 15 | 14 | 14 | 15 |
| Average | 3 | 3 | 2 | 2.2 | 2.2 | 2 | 3 | 3 | 3 | 3 | 3 |

3 – Strong, 2- Medium, 1- Low

2 nd YEAR: THIRD SEMESTER

| Subject Code | Course Name | Category | L | T | P | S | Credits | Hours | Marks | | |
|----------------------------|---|----------|---|---|---|---|---------|-------|-------|----------|-------|
| | | | | | | | | | CIA | External | Total |
| 24UCDC32P | GARMENT CONSTRUCTION – CHILDREN’S WEAR PRACTICAL | CC - 6 | 0 | 0 | 4 | 0 | 2 | 4 | 25 | 75 | 100 |
| Learning Objectives | | | | | | | | | | | |
| LO1 | To design and construct of Bib variations and Panty shapes. | | | | | | | | | | |
| LO2 | To draft and construct garments: Jabla and knickers. | | | | | | | | | | |
| LO3 | To create functional and comfortable garments for children. | | | | | | | | | | |
| LO4 | To apply techniques of drafting and sewing of yokes and suspenders. | | | | | | | | | | |
| LO5 | To design the boy’s clothing with Given Features | | | | | | | | | | |
| Unit | Content | | | | | | | | | | Hours |
| 1 | Design, Draft and construct the children's garments with given features: Bib – Give some variation in outline shape or surface design Panty – Plain and variation in shapes | | | | | | | | | | 8 |
| 2 | Design, Draft and construct the children's garments with given features: Jabla – With sleeve and opening Knickers - with elastic opening | | | | | | | | | | 8 |
| 3 | Design, Draft and construct the children's garments with given features: Baba suit /Romper – knickers with chest piece attached A line frock– double pointed dart, facings at neckline and armhole and strap attach in hip | | | | | | | | | | 13 |
| 4 | Design, Draft and construct the children's garments with given features: Summer frock – without sleeve and collars, suspenders tied at shoulder Yoke frock – with yoke, with sleeve, Gathered, flared, with collars | | | | | | | | | | 15 |
| 5 | Design, Draft and construct the children's garments with given features: Boy's shirt – shirt collar, pocket Boy's short – fly open with buttons, side pocket, pleats and dart | | | | | | | | | | 16 |

| CO | Course Outcomes |
|-------------------------|---|
| CO1 | Draft and construct Bib and Panty with design variations using appropriate techniques. |
| CO2 | Draft and construct a Jabla and Knickers. |
| CO3 | Create design and construct functional and comfortable children's garments with appropriate fit and features. |
| CO4 | Applying drafting and sewing techniques to construct children's garments with yokes and suspenders. |
| CO5 | Create design and construct boys' garments with specified features, applying drafting and sewing techniques. |
| Text Books: | |
| 1 | Practical Clothing Constructing- PartI and II, Mary Mathews, Cosmic Press, Chennai,1986. |
| 2 | Zarapker System of Cutting- Zarapker. K ltd. R, Navneet Publications,1994. |
| Reference Books: | |
| 1 | Cutting and tailoring Course Gayatri Verma & Kapil Dev, Computech Publications, 2009 |
| Web resources: | |
| 1 | http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827 |
| 2 | https://www.youtube.com/watch?v=LuazkYL0J3A |
| 3 | https://www.youtube.com/watch?v=zLkNgkzx-wI |

Mapping with programme outcomes and programme specific outcomes

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PSO1 | PSO2 | PSO3 |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| CO1 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| CO2 | 3 | 3 | 2 | 2 | 2 | 3 | 3 | 2 | 3 | 3 | 3 |
| CO3 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| CO4 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 |
| CO5 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 |
| Total | 15 | 15 | 10 | 12 | 14 | 13 | 15 | 14 | 13 | 15 | 15 |
| Average | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

3 – Strong, 2- Medium, 1- Low

2 nd YEAR: THIRD SEMESTER

| Subject Code | Course Name | Category | L | T | P | S | Credits | Hours | Marks | | |
|----------------------------|--|-----------|---|---|---|---|---------|-------|-------|----------|-------|
| | | | | | | | | | CIA | External | Total |
| 24UCDA31 | A) INDUSTRY MODULE - INDUSTRIAL GARMENT MACHINERIES | EC - 4 AL | 3 | 1 | 0 | 0 | 4 | 4 | 25 | 75 | 100 |
| Learning Objectives | | | | | | | | | | | |
| LO1 | To recognize stitching mechanisms and sewing machine operations. | | | | | | | | | | |
| LO2 | To analyse spreading, marking techniques. | | | | | | | | | | |
| LO3 | To explore cutting and pressing techniques. | | | | | | | | | | |
| LO4 | To apply sewing machine functions and attachments in garment construction. | | | | | | | | | | |
| LO5 | To evaluate garment packaging methods and federal standards and to explore basic AI applications in the textile industry. | | | | | | | | | | |
| Unit | Content | | | | | | | | | | Hours |
| 1 | Stitching mechanism Needles, bobbin and bobbin case, bobbin winding, loops and loop Spreader, upper and lower threading, auxiliary hooks, throatplates, take ups, tension discs-upper and lower thread tension, stitching auxiliaries, pressure foot and its types, Feed mechanisms-drop feed, differential fed, needle feed, compound feed, unison feed, puller feed. | | | | | | | | | | 12 |
| 2 | Spreading and Marker making Spreading – Types of spread and its quality, parts and functions of spreading equipment, spreading methods. Marking methods, positioning marking types of markers, efficiency of a marker plan, requirements of marker planning | | | | | | | | | | 12 |
| 3 | Cutting and Pressing Cutting equipment– Parts and functions of Straight knife cutting machine, rotary cutting machine, band knife cutting machine, die cutters. Pressing– purpose, pressing equipment’s and methods– iron, steam press, steam air finisher, steam tunnel, special types–pleating, permanent | | | | | | | | | | 12 |
| 4 | Sewing Machineries Sewing Machineries - Classification of sewing machines, parts and functions of Single Needle lockstitch machine, over lock machine, bar tacking machine, button hole machine, button fixing machine, blind stitching machine, fabric examining machine. Special attachments, care and maintenance of sewing machines, Common problems and remedies | | | | | | | | | | 12 |
| 5 | Garment Packaging and Federal Standards Garment Packaging–Types of package forms, Sewing threads-types, essential qualities of a sewing thread, Federal standards for stitch and stitch classification, Federal standards for seam and seam classification. Introduction to AI in Textile Industry | | | | | | | | | | 12 |

| CO | Course Outcomes |
|-------------------------|---|
| CO1 | Describe the stitching mechanisms and sewing auxiliaries. |
| CO2 | Analyse the spreading and marking techniques. |
| CO3 | Analyse the cutting and pressing techniques. |
| CO4 | Operate and maintain various sewing machines and attachments. |
| CO5 | Evaluate the garment packaging and federal standards for stitches and seams and explore basic AI applications in textile and garment production. |
| Text Books: | |
| 1 | The Technology of Clothing Manufacture–Harold Carrand Barbara Latham, Black well Science, 1994. |
| 2 | Apparel Manufacturing Handbook: Analysis, Principles and Practice 2 nd Edition–Jacob Solinger, Bobbin Blenheim Media Corp,1988. |
| Reference Books: | |
| 1 | Reader’s digest Sewing guide, Complete Guide to Sewing13th Edition, The Reader’s Digest Association Inc, Pleasant Ville, 1997. |
| 2 | A complete guide for sewing –Coles M Sew, Heinemann Professional Publishing, Singapore, 1977 |
| Web resources: | |
| 1 | https://clothingindustry.blogspot.com/2018/04/packaging-process-garment-industry.html |
| 2 | https://www.youtube.com/watch?v=palmFFnMT1E |
| 3 | https://www.youtube.com/watch?v=67K0RMJVB_U |

Mapping with programme outcomes and programme specific outcomes

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PSO1 | PSO2 | PSO3 |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| CO1 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| CO2 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 2 |
| CO3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 2 |
| CO4 | 3 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 3 |
| CO5 | 3 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 3 | 3 |
| Total | 15 | 11 | 11 | 12 | 13 | 13 | 12 | 10 | 12 | 11 | 12 |
| Average | 3 | 2.2 | 2.2 | 2.4 | 2.6 | 2.6 | 2.4 | 2 | 2.4 | 2.2 | 2.4 |

3 – Strong, 2- Medium, 1- Low

2 nd YEAR: THIRD SEMESTER

| Subject Code | Course Name | Category | L | T | P | S | Credits | Hours | Marks | | |
|----------------------------|---|-----------|---|---|---|---|---------|-------|-------|----------|-------|
| | | | | | | | | | CIA | External | Total |
| 24UCDA32 | B) FASHION MERCHANDISING | EC - 4 AL | 3 | 1 | 0 | 0 | 4 | 4 | 25 | 75 | 100 |
| Learning Objectives | | | | | | | | | | | |
| LO1 | To understand apparel merchandising, exporter classification, and company profiling. | | | | | | | | | | |
| LO2 | To analyze buyer classification, sourcing, and order processing. | | | | | | | | | | |
| LO3 | To apply inspection techniques, quality control, and approvals. | | | | | | | | | | |
| LO4 | To evaluate order documentation, audits, and compliance. | | | | | | | | | | |
| LO5 | To explore promotional activities, trade fairs, and export associations. | | | | | | | | | | |
| Unit | Content | | | | | | | | | | Hours |
| 1 | Merchandising: Merchandising: Introduction, Meaning- Apparel Merchandising – Classification of Exporters - Rating or Grading of export houses – Export merchandising and retail merchandising – Company profile and its contents. Types of merchandisers - Functions of a merchandiser – Essential requisites of a good merchandiser – Vendor sourcing, evaluation and development | | | | | | | | | | 12 |
| 2 | Classification of buyers Classification of buyers, Process flow in apparel industry – Buyer sourcing & communication – Enquiry – Order confirmation –order review and its importance – Planning & programming: Master planning, Scheduling or route card – Factors for route card - programming for yarn, knitting, dyeing, stitching, sampling, accessories – Samples: Meaning & importance – Types of samples – expedition of samples | | | | | | | | | | 12 |
| 3 | Inspection and its types Inspection and its types – Testing – Check points before cutting - Pilot run or trial run and its importance – Approvals - Types of approvals – Shipping marks – Final inspection procedures – Self, Second- and Third-party inspection - Effective expedition procedures. | | | | | | | | | | 12 |
| 4 | Order Sheet & Documentation Order sheet and its contents – Packing list and its contents – Document formats: order sheet, packing list, invoice, inspection and testing reports etc., - Assortment and its types. Documents recording and maintenance – Claims and reasons for claims - Factory audits – Buyer’s code of conducts. | | | | | | | | | | 12 |
| 5 | Promotion activities Advertising- scope, importance, types, merits & demerits; sales promotion, personal selling. Retail management. Export associations – Apparel Export Promotion Council – Journals and magazines related to apparel and textiles – Trade shows and Fairs – Participation in trade shows – Advantages of trade shows and fairs - Apparel & Textile Trade shows and fairs in India. | | | | | | | | | | 12 |

| CO | Course Outcomes |
|-------------------------|---|
| CO1 | Describe apparel merchandising and its classifications. |
| CO2 | Classify buyers and evaluate sourcing and order processing. |
| CO3 | Implement inspection methods and quality control measures. |
| CO4 | Assess documentation, audits, and compliance with standards. |
| CO5 | Develop merchandising strategies using promotions and trade fairs. |
| Text Books: | |
| 1 | Building Buyer Relationships, Daragho' Reilly, Jullian J. |
| 2 | Gibbs 2. Inside the Fashion Business, Mc Millan Publishing Co., |
| 3 | Fashion Merchandising, Elian Stone |
| 4 | Apparel Merchandising, An integrated Approach, Krishnakumar, M, 2010, Abishek Publications |
| Reference Books: | |
| 1 | Apparel Merchandising, Robin Mathew, Book Enclave Publishers, |
| 2 | Jaipur 6. Apparel Merchandising, Jerry A & Rosenau, Fairchild Publications, London |
| Web resources: | |
| 1 | https://www.toppr.com/guides/fundamentals-of-accounting/fundamentals-of-cost-accounting/elements-of-cost/ |
| 2 | https://corporatefinanceinstitute.com/resources/knowledge/finance/budgeting/ |
| 3 | https://efinancemanagement.com/budgeting |
| 4 | https://theinvestorsbook.com/pricing-methods.html |

Mapping with programme outcomes and programme specific outcomes

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PSO1 | PSO2 | PSO3 |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| CO1 | 3 | 2 | 1 | 2 | 3 | 2 | 3 | 2 | 2 | 2 | 3 |
| CO2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 3 | 2 | 2 | 3 |
| CO3 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 3 | 3 |
| CO4 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 2 | 2 | 3 | 3 |
| CO5 | 2 | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 3 | 3 |
| Total | 11 | 13 | 12 | 12 | 14 | 12 | 11 | 12 | 10 | 13 | 15 |
| Average | 2.2 | 2.6 | 2.4 | 2.4 | 2.8 | 2.4 | 2.2 | 2.4 | 2 | 2.6 | 3 |

3 – Strong, 2- Medium, 1- Low

2 nd YEAR: THIRD SEMESTER

| Subject Code | Course Name | Category | L | T | P | S | Credits | Hours | Marks | | |
|----------------------------|---|-----------|---|---|---|---|---------|-------|-------|----------|-------|
| | | | | | | | | | CIA | External | Total |
| 24UCDA33P | A) FASHION DRAPING PRACTICAL | EC - 5 AL | 0 | 0 | 2 | 0 | 2 | 2 | 25 | 75 | 100 |
| Learning Objectives | | | | | | | | | | | |
| LO1 | To know body form preparation and fabric straightening techniques. | | | | | | | | | | |
| LO2 | To analyze draping methods for collars and garment patterns. | | | | | | | | | | |
| LO3 | To apply draping techniques to create yokes and associated garment patterns. | | | | | | | | | | |
| LO4 | To evaluate the accuracy of draped garments for fit, balance, and fullness. | | | | | | | | | | |
| LO5 | To create innovative draped designs, including zero-waste draping concepts. | | | | | | | | | | |
| Unit | Content | | | | | | | | | | Hours |
| 1 | Preparation of Body Forms & Preparation of Fabric: Mark the Chest Line with Style Tape Mark the Empire/Under Chest Line with Style Tape Mark the Waist line with Style Tape Mark the Hip Line with Style Tape Remove creases by ironing the fabric. Straighten the fabric | | | | | | | | | | 3 |
| 2 | Drape the Following Collars: Convertible collars Peter Pan Collar Mandarin Collar/ Shirt Collar Shawl Collar/ Convertible Collar | | | | | | | | | | 7 |
| 3 | Drape the Following Yokes: Simple Yoke Yoke with Fullness within the Yoke Shirt Yoke Midriff Yoke | | | | | | | | | | 6 |
| 4 | Drape the Following Patterns for fit, balance and fullness: Draping of Bodice Front & Back Draping of Skirt with fulness Ladies tops with cowl, peplum, flounces, ruffles | | | | | | | | | | 6 |
| 5 | Drape the Following designs: Empire line dress Sculptured dress Zero waste draping | | | | | | | | | | 8 |

| CO | Course Outcomes |
|-------------------------|---|
| CO1 | Understand the process of body form preparation and marking style lines. |
| CO2 | Differentiate various draping techniques for collars, yokes, and bodices. |
| CO3 | Create garment components such as yokes and bodices. |
| CO4 | Assess draped designs for fit, proportion, and construction accuracy. |
| CO5 | Develop unique draped garments, including sustainable zero-waste designs. |
| Text Books: | |
| 1 | Connie Amaden-Crawford , “The Art of Fashion Draping”, Bloomsbury Academic Publisher, 4th edition, 2012. |
| 2 | Hilde Jaffe and Nurie Relis, “Draping for Fashion Design”, Fashion Institute of Technology, Pearson/Prentice Publisher, 5th edition, 2012 |
| 3 | DrapingforApparelDesign,3rdEdition-Helen Joseph and Armstrong, Bloomsbury Academic, 2013 |
| 4 | The Art of Fashion Draping, Connie Amaded and Crawford, Bloomsbury Academic,2018 |
| Reference Books: | |
| 1 | Helen Joseph-Armstrong , “Draping for Apparel Design”, Bloomsbury Academic publishers, 3rd edition illustrated , 2013. |
| 2 | Amaden-Crawford Connie, “The Art of Fashion Draping” Om Books International Publications, 3rd edition, 2005 |
| 3 | Mary Mathews, “Practical Clothing Construction Part I and II”, Paprinpack, 3rd edition, Madras, 2000. |
| Web resources: | |
| 1 | https://www.youtube.com/watch?v=hAvjXU9xrOM |
| 2 | https://www.youtube.com/watch?v=BhG9Sp3UutI |
| 3 | https://www.moodfabrics.com/blog/intro-to-draping-dress-form-muslin-basics/ |

Mapping with programme outcomes and programme specific outcomes

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PSO1 | PSO2 | PSO3 |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| CO1 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| CO2 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 |
| CO3 | 3 | 3 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 |
| CO4 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 |
| CO5 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Total | 15 | 15 | 15 | 10 | 11 | 11 | 12 | 14 | 15 | 15 | 15 |
| Average | 3 | 3 | 3 | 2 | 2.2 | 2.2 | 2.4 | 2.4 | 3 | 3 | 3 |

3 – Strong, 2- Medium, 1- Low

2 nd YEAR: THIRD SEMESTER

| Subject Code | Course Name | Category | L | T | P | S | Credits | Hours | Marks | | |
|----------------------------|---|--------------|---|---|---|---|---------|-------|-------|----------|-------|
| | | | | | | | | | CIA | External | Total |
| 24UCDA34P | B) PATTERN MAKING FOR KNITS PRACTICAL | EC - 5 AL | 0 | 0 | 2 | 0 | 2 | 2 | 25 | 75 | 100 |
| Learning Objectives | | | | | | | | | | | |
| LO1 | To understand the fundamentals of pattern drafting and grading for various kid's wear garments. | | | | | | | | | | |
| LO2 | To analyze size variations and grading techniques for kids' and women's wear. | | | | | | | | | | |
| LO3 | To apply drafting techniques to develop accurate patterns for different inner garment for men. | | | | | | | | | | |
| LO4 | To evaluate the fit, proportions, and construction of graded patterns. | | | | | | | | | | |
| LO5 | To create well-graded patterns for structured and casual garments with suitable sizing. | | | | | | | | | | |
| Unit | Content | | | | | | | | | | Hours |
| 1 | Draft and grade patterns for the following garments: Kid's Wear–Romper Kid's Wear– Aline frock | | | | | | | | | | 6 |
| 2 | Draft and grade patterns for the following garments: Children's Suits and Pyjama Ladies Skirt Women's Nightwear | | | | | | | | | | 6 |
| 3 | Draft and grade patterns for different inner garments: Brief Men's Inner Garment– Vests RN/RNS | | | | | | | | | | 6 |
| 4 | Draft and grade patterns for the following garments: Men's Polo T-Shirt Men's Trouser | | | | | | | | | | 6 |
| 5 | Draft and grade patterns for the following garments: T-Shirt with hood Basic T-Shirt | | | | | | | | | | 6 |

| CO | Course Outcomes |
|-------------------------|---|
| CO1 | Create kids wear garments using the principles of drafting and grading garment patterns. |
| CO2 | Differentiate pattern grading techniques for various apparel categories. |
| CO3 | Draft and grade patterns for men's inner garments. |
| CO4 | Assess pattern accuracy, fit, and proportion adjustments for men's wear. |
| CO5 | Develop graded patterns for diverse garment styles, ensuring proper fit and sizing. |
| Text Books: | |
| 1 | G. Davidow, "Patternmaking for Fashion Design," Pearson, 5th Edition, 2013. |
| 2 | Helen Joseph-Armstrong, "Patternmaking for Fashion Design," Pearson, 5th Edition, 2017. |
| Reference Books: | |
| 1 | Connie Amaden-Crawford, "The Art of Fashion Draping," Bloomsbury Academic, 2018. |
| Web resources: | |
| 1 | https://www.youtube.com/c/Fashionary |
| 2 | https://www.youtube.com/c/TillyandtheButtons |
| 3 | https://www.coursera.org/learn/fashion-as-design |

Mapping with programme outcomes and programme specific outcomes

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PSO1 | PSO2 | PSO3 |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| CO1 | 3 | 3 | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 3 | 3 |
| CO2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| CO3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| CO4 | 3 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 3 | 2 | 3 |
| CO5 | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 3 | 2 | 3 |
| Total | 15 | 11 | 11 | 10 | 10 | 12 | 12 | 10 | 15 | 13 | 15 |
| Average | 3 | 2.2 | 2.2 | 2 | 2 | 2.4 | 2.4 | 2 | 3 | 2.6 | 3 |

3 – Strong, 2- Medium, 1- Low

2 nd YEAR: THIRD SEMESTER

| Subject Code | Course Name | Category | L | T | P | S | Credits | Hours | Marks | | |
|----------------------------|---|----------|---|---|---|---|---------|-------|-------|----------|-------|
| | | | | | | | | | CIA | External | Total |
| 24UCDS31P | ORNAMENTS AND ACCESSORY MAKING PRACTICAL | SEC – 4 | 0 | 0 | 2 | 0 | 2 | 2 | 25 | 75 | 100 |
| Learning Objectives | | | | | | | | | | | |
| LO1 | To create and develop traditional jewelleryes. | | | | | | | | | | |
| LO2 | To design various ornaments and accessories. | | | | | | | | | | |
| LO3 | To create different types of accessories with fabric. | | | | | | | | | | |
| LO4 | To design embellished accessories for various occasions. | | | | | | | | | | |
| LO5 | To explore decorative techniques and embellishments. | | | | | | | | | | |
| Unit | Content | | | | | | | | | | Hours |
| 1 | Create the following ornaments: Jewellery making: Fancy- Traditional-Culture-Eves-Precious and Non -precious | | | | | | | | | | 5 |
| 2 | Create the following ornaments: Hair ornaments Ear ornaments Neck ornaments Hand ornaments Finger ornaments Hip ornaments Leg ornaments Head fascinators | | | | | | | | | | 10 |
| 3 | Designing and construction of Accessories with Fabric: Bags Pouches Mask Gloves Foot wears | | | | | | | | | | 5 |
| 4 | Create the following Accessories for various occasions. Scarf Shawl | | | | | | | | | | 4 |
| 5 | Create set of ornaments for the following Bridalwear Fashion show Office wear Casualwear Dance costumes | | | | | | | | | | 6 |

| CO | Course Outcomes |
|-------------------------|--|
| CO1 | Develop and craft traditional jewellery reflecting cultural aesthetics. |
| CO2 | Design a variety of ornaments and accessories with unique styles. |
| CO3 | Construct fabric-based accessories using appropriate materials and techniques. |
| CO4 | Design embellished accessories for different occasions. |
| CO5 | Explore and incorporate decorative techniques and embellishments in designs. |
| Text Books: | |
| 1 | Jewellery Making, A Complete Course for Beginners, Jinks Mc Grath, Apple Press, 2007 |
| 2 | The Work bench Guide to Jewellery Techniques, Anastasia Young, Thames and Hudson, 2010 |
| Reference Books: | |
| 1 | The Bag Making Bible: The Complete Creative Guide to Sewing Your Own Bags -Lisa Lam, Amy Butler, Published by David&Charles,2010 |
| Web resources: | |
| 1 | https://www.youtube.com/watch?v=pdwJZZSUjfs |
| 2 | https://www.youtube.com/watch?v=4jNCJm3j0ec |
| 3 | https://www.youtube.com/watch?v=RehISbeKeMo |

Mapping with programme outcomes and programme specific outcomes

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PSO1 | PSO2 | PSO3 |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| CO1 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 2 | 3 | 3 |
| CO2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 2 | 3 | 3 |
| CO3 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 2 | 3 | 3 |
| CO4 | 3 | 2 | 3 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 3 |
| CO5 | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 3 |
| Total | 15 | 10 | 13 | 10 | 13 | 15 | 15 | 15 | 10 | 15 | 15 |
| Average | 3 | 2 | 2.6 | 2 | 2.6 | 3 | 3 | 3 | 2 | 3 | 3 |

3 – Strong, 2- Medium, 1- Low

2 nd YEAR: FOURTH SEMESTER

| Subject Code | Course Name | Category | L | T | P | S | Credits | Hours | Marks | | |
|----------------------------|--|----------|---|---|---|---|---------|-------|-------|----------|-------|
| | | | | | | | | | CIA | External | Total |
| 24UCDC41 | ADVANCE GARMENT CONSTRUCTION TECHNIQUES | CC – 7 | 3 | 2 | 0 | 1 | 5 | 6 | 25 | 75 | 100 |
| Learning Objectives | | | | | | | | | | | |
| LO1 | Apply manual and CAD techniques to grade basic garment components and analyze the purpose of pattern grading. | | | | | | | | | | |
| LO2 | Apply dart manipulation and fullness addition methods for pattern modification. | | | | | | | | | | |
| LO3 | Identify and classify stitches and seams with their properties and uses. | | | | | | | | | | |
| LO4 | Analyze components of garment specification worksheets. | | | | | | | | | | |
| LO5 | Describe the application of CAD systems and tools in pattern making. | | | | | | | | | | |
| Unit | Content | | | | | | | | | | Hours |
| 1 | Pattern grading - Definition, Purpose of grading, Grading Terminology, Grading Techniques - Manual pattern grading, Computer-aided pattern grading: Advantages and Disadvantages, Grading basic patterns using manual and CAD methods; front and back bodice and sleeve, trousers, skirts, collars. | | | | | | | | | | 18 |
| 2 | Pattern modification and alteration - shifting, combining and distributing darts. Adding fullness & extra fullness on the bodice and skirt patterns - Pivot method, Slash & spread method and Measurement method. Pattern modification: flat pattern technique. Pattern alteration: Need, Alteration of pattern using manual and CAD methods for fat and thin figure, narrow shoulder, broad shoulders, round shoulders, large bust, flat bust, large hip, large abdomen, short waist and long waist. | | | | | | | | | | 18 |
| 3 | Stitches & Seams: Stitches- definition, properties, classes- 100, 200, 300, 400, 500, 600. Seams: definition, dimension, classes- super imposed seam, lapped seam, bound seam, flat seam, stitching classes edge finishing, ornamental stitching. Types of Seams and stitching with notation abbreviations and common uses. Difference between stitches and seams. | | | | | | | | | | 18 |
| 4 | Garment Analysis and Specification Development - Introduction, role, methods, processes, Components of Garment specification worksheet style description, positioning strategy, sizing and fit, material selection, components assembly, final assembly and finishing, style presentation. | | | | | | | | | | 18 |
| 5 | Advancements in Pattern Making - CAD systems Introduction, CAD in Pattern making, Grading, Marker making. Equipment used for CAD, CAD system, MTM (make to measure technology), Pattern cutter, Plotter, Digitizer and Digitizing table. Essential softwares used in Garment industry, Advantages and Limitations of CAD. | | | | | | | | | | 18 |

| CO | Course Outcomes |
|-------------------------|---|
| CO1 | Perform pattern grading using manual and CAD methods. |
| CO2 | Alter patterns for various body types using flat and CAD techniques. |
| CO3 | Identify stitch and seam types with correct notations and uses. |
| CO4 | Create garment spec sheets with sizing and style details. |
| CO5 | Apply CAD tools in pattern making, grading, and marker planning. |
| Text Books: | |
| 1 | Armstrong, Helen Joseph, (2014), Pattern making for Fashion Design, Pearson Publisher, India. |
| 2 | Glock, R. E., Kunz, G. L. (2005). Apparel Manufacturing: Sewn Product Analysis, Pearson Education, India. |
| Reference Books: | |
| 1 | Mors de Castro, L., Sánchez Hernández, L., (2015), Practical Pattern Making: A Step-by-step Guide, Firefly Books, United States. |
| 2 | Stott, M. (2012). Pattern Cutting for Clothing Using CAD: How to Use Lectra Modaris Pattern Cutting Software: Elsevier Science, United Kingdom. |
| 3 | Matthews-Fairbanks J.L., (2018), Pattern Design: Fundamentals: Construction and Pattern Drafting for Fashion Design, Fairbanks Publishing LLC, United States. |
| Web resources: | |
| 1 | https://techpacker.com/blog/design/pattern-grading-in-the-fashion-garment-industry/ |
| 2 | https://www.textileindustry.net/pattern-grading-methods-in-the-apparel/ |
| 3 | https://textilelearner.net/dart-manipulation-techniques/ |
| 4 | https://www.pointsofmeasure.com/tutorials-education/pattern-darts-everything-you-need-to-know |
| 5 | https://textilelearner.net/types-of-seam-classes/ |
| 6 | https://www.slideshare.net/slideshow/seams-and-stitches-244910626/244910626 |
| 7 | https://ebooks.inflibnet.ac.in/hsp07/chapter/apparel-industry-organizational-set-up-planning-and-product-selection-production-planning-and-control/ |

Mapping with programme outcomes and programme specific outcomes

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PSO1 | PSO2 | PSO3 |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| CO1 | 3 | 2 | 2 | 3 | 1 | 2 | 2 | 1 | 3 | 2 | 1 |
| CO2 | 3 | 2 | 2 | 2 | 1 | 1 | 2 | 1 | 3 | 2 | 1 |
| CO3 | 3 | 3 | 3 | 3 | 1 | 2 | 2 | 1 | 1 | 3 | 2 |
| CO4 | 3 | 3 | 3 | 3 | 1 | 2 | 2 | 1 | 1 | 3 | 2 |
| CO5 | 3 | 2 | 2 | 2 | 1 | 1 | 2 | 1 | 3 | 2 | 3 |
| Total | 15 | 12 | 12 | 12 | 5 | 8 | 10 | 5 | 11 | 12 | 9 |
| Average | 3 | 2.4 | 2.4 | 2.4 | 1 | 1.6 | 2 | 1 | 2.2 | 2.4 | 1.8 |

3 – Strong, 2- Medium, 1- Low

2 nd YEAR: FOURTH SEMESTER

| Subject Code | Course Name | Category | L | T | P | S | Credits | Hours | Marks | | |
|----------------------------|--|----------|---|---|---|---|---------|-------|-------|----------|-------|
| | | | | | | | | | CIA | External | Total |
| 24UCDC42P | Garment construction Adult Wear Practical | CC – 8 | 0 | 0 | 4 | 0 | 2 | 4 | 25 | 75 | 100 |
| Learning Objectives | | | | | | | | | | | |
| LO1 | Construct traditional wear with design variation. | | | | | | | | | | |
| LO2 | Stitch nightwear with yoke, sleeve, and neck variations. | | | | | | | | | | |
| LO3 | Develop Western/fusion garments. | | | | | | | | | | |
| LO4 | Sew men's casual/ethnic wear. | | | | | | | | | | |
| LO5 | Make the formal garments. | | | | | | | | | | |
| Unit | Content | | | | | | | | | | Hours |
| 1 | <ul style="list-style-type: none"> • Saree petticoat • Saree blouse • Salwar - Gathered waist with tape or elastic, bottom design variation. • Kameez - Fashioned neck, variation in sleeve. | | | | | | | | | | 12 |
| 2 | <ul style="list-style-type: none"> • Night dress - With or without yoke, variation in sleeves, attaching trimmings. • Maxi – Variation in neck with or without sleeve and attaching trimmings. | | | | | | | | | | 12 |
| 3 | <ul style="list-style-type: none"> • Middy – Variation in panel, bottom round • Middy Top – Front open, single dart, with or without collar and variation in sleeves. | | | | | | | | | | 12 |
| 4 | <ul style="list-style-type: none"> • Bermuda • Nehru Kurta | | | | | | | | | | 12 |
| 5 | <ul style="list-style-type: none"> • Slack Shirt • Pant | | | | | | | | | | 12 |

| CO | Course Outcomes |
|-------------------------|--|
| CO1 | Sew traditional garments with variations. |
| CO2 | Make nightwear and maxi with trimmings. |
| CO3 | Construct Western outfits with design details. |
| CO4 | Stitch men's wear with good fit. |
| CO5 | Create formal garments using correct methods. |
| Textbooks: | |
| 1 | Practical Clothing Constructing - PartI and II, Mary Mathews, Cosmic Press, Chennai,1986. |
| 2 | Zarapker System of Cutting - Zarapker. K. R, Navneet Publications ltd, India, 2011. |
| Reference Books: | |
| 1 | Cutting and sewing theory, Gayatri Verma, Kapil Dev, Computech Publication Ltd, India, 2019. |
| 2 | Pattern cutting and making up, the professional approach, Martin M. Shoben and Janet P. Ward, Rout ledge Taylor and Francis Group, London and New York, Revised edition, 2011. |
| Web resources: | |
| 1 | http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827 |
| 2 | https://www.youtube.com/watch?v=FsD-Pc9WPm0 |

Mapping with programme outcomes and programme specific outcomes

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PSO1 | PSO2 | PSO3 |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| CO1 | 3 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 3 | 1 |
| CO2 | 3 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 3 | 1 |
| CO3 | 3 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 3 | 1 |
| CO4 | 3 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 3 | 1 |
| CO5 | 3 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 3 | 1 |
| Total | 15 | 5 | 10 | 10 | 10 | 10 | 5 | 5 | 10 | 15 | 5 |
| Average | 3 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 3 | 1 |

3 – Strong, 2- Medium, 1- Low

2 nd YEAR: FOURTH SEMESTER

| Subject Code | Course Name | Category | L | T | P | S | Credits | Hours | Marks | | |
|----------------------------|---|----------|---|---|---|---|---------|-------|-------|----------|-------|
| | | | | | | | | | CIA | External | Total |
| 24UCDA41 | a) SUSTAINABLE AND ECO-FASHION | EC - AL | 3 | 1 | 0 | 0 | 4 | 4 | 25 | 75 | 100 |
| Learning Objectives | | | | | | | | | | | |
| LO1 | Understand ecofriendly dyeing and its impact. | | | | | | | | | | |
| LO2 | Apply sustainable concepts in fashion design. | | | | | | | | | | |
| LO3 | Analyze methods for sustainable garment construction. | | | | | | | | | | |
| LO4 | Evaluate garment lifecycle using sustainability tools. | | | | | | | | | | |
| LO5 | Create solutions for reuse and recycling in fashion. | | | | | | | | | | |
| Unit | Content | | | | | | | | | | Hours |
| 1 | Introduction to Dyeing and Printing: Dye- types, mordant, Methods of dyeing, Printing- Types, Techniques of Printing, Color matching system for dyeing and printing- environmental impact of dyeing and printing. | | | | | | | | | | 12 |
| 2 | Ecofriendly Dyeing and Sustainable Designing: Ecofriendly dyeing, economic and ecological aspects of dyeing, water conserving process on dyeing, effluent treatment, waste minimization in fabric finishing, biodegradable finishes. Design for personalizing fashion, repair and modular garments, selecting fabrics, materials and techniques-using mono-materials. | | | | | | | | | | 12 |
| 3 | Producing Sustainable Garment Pattern making and toiling, use of patterns, zero waste techniques, tailor's craft, working with geometric shapes, construction, design for durability, producing sustainable fashion | | | | | | | | | | 12 |
| 4 | Lifecycle of a Garment Lifecycle thinking, impacts, sustainable design strategies, assessment tools and models, comparing two garments, reducing laundering, repair and maintenance, evaluation of apparel products, slowing fashion, technical design for recycling of clothing, sustainable apparel retail | | | | | | | | | | 12 |
| 5 | Product End-of-life Reuse in fashion cycle, remanufacture, upcycling, approaches to upcycling, material recycling, closed loop production, new future fashion industry, post-growth fashion and the craft of users, long term sustainability in luxury products | | | | | | | | | | 12 |

| CO | Course Outcomes |
|-------------------------|--|
| CO1 | Understand ecofriendly dyeing and waste reduction. |
| CO2 | Design sustainable and modular garments. |
| CO3 | Apply zero-waste and durable construction techniques. |
| CO4 | Assess sustainability across a garment's lifecycle. |
| CO5 | Develop reuse and upcycling strategies. |
| Textbooks: | |
| 1 | Alison Gwilt, Basics Fashion Design: A practical guide to sustainable fashion, Bloomsbury Publishing, UK, 2014 |
| 2 | Jamshed A Khan, Eco-friendly Textile Dyeing and Finishing, Scitus Academics LLC, NY, 2017 |
| 3 | Richard Blackburn, Sustainable Apparel Production, Processing and Recycling, Woodhead Publishing Limited, UK, 2015 |
| Reference Books: | |
| 1 | Abdulkerim Macar, Handbook of Sustainable Textile Production, Scitus Academics LLC, NY, 2017 |
| 2 | Kate Fletcher, Lynda Grose, Fashion & Sustainability: Design for change, Laurence King Publishing Ltd, London, 2012 |
| 3 | Dr.M.Parthiban, Dr.M.R.Srikrishnan, Dr.P.Kandhavadvu, Sustainability in Fashion and Apparels Challenges and Solutions, Woodhead Publishing India Pvt. Ltd, New Delhi, 2017 |
| Web resources: | |
| 1 | https://doi.org/10.1016/j.scitotenv.2021.150315 |
| 2 | https://www.mdpi.com/1716154 |
| 3 | https://www.bluesign.com/en/circular-fashion |

Mapping with programme outcomes and programme specific outcomes

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PSO1 | PSO2 | PSO3 |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| CO1 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 1 | 2 | 1 | 1 |
| CO2 | 3 | 3 | 3 | 3 | 2 | 2 | 1 | 1 | 2 | 1 | 1 |
| CO3 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 1 | 2 | 1 | 1 |
| CO4 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 1 | 1 |
| CO5 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 1 | 2 | 1 | 1 |
| Total | 15 | 15 | 15 | 15 | 10 | 13 | 9 | 6 | 10 | 5 | 5 |
| Average | 3 | 3 | 3 | 3 | 2 | 2.6 | 1.8 | 1.2 | 2 | 1 | 1 |

3 – Strong, 2- Medium, 1- Low

2 nd YEAR: FOURTH SEMESTER

| Subject Code | Course Name | Category | L | T | P | S | Credits | Hours | Marks | | |
|----------------------------|--|----------|---|---|---|---|---------|-------|-------|----------|-------|
| | | | | | | | | | CIA | External | Total |
| 24UCDA42 | b) Knitting | EC - AL | 3 | 1 | 0 | 0 | 4 | 4 | 25 | 75 | 100 |
| Learning Objectives | | | | | | | | | | | |
| LO1 | Understand knitting types, structure, and machine components. | | | | | | | | | | |
| LO2 | Apply principles of weft knitting and fabric design using stitch variations. | | | | | | | | | | |
| LO3 | Analyze warp knitting techniques and machine types. | | | | | | | | | | |
| LO4 | Evaluate seamless knitting, fabric care, and defect prevention. | | | | | | | | | | |
| LO5 | Explore knitting industry trends and knitwear dyeing. | | | | | | | | | | |
| Unit | Content | | | | | | | | | | Hours |
| 1 | Knitting Overview: Knitting–Definition, classification and history, characteristics of knitted goods. General terms and principles of knitting technology, machine knitting, parts of machine, knitted loop structure, stitch density | | | | | | | | | | 12 |
| 2 | Principles of Weft Knitting Technology: Weft knitting–classification-circular rib knitting machine, purl, interlock, jacquard-single jersey machine-basic knitting elements-types and functions–knitting cycle, CAM–system-3- way technique to develop design-knit, tuck, miss-effect of stitches on fabric properties. | | | | | | | | | | 12 |
| 3 | Principles of Warp Knitting Technology: Warp knitting -lapping variations-tricot, raschel, simplex and Milanese- kitten raschel single bar, 2bar, multi bar machines. Types of threading, production of nets, curtains, heavy fabrics, elasticized fabrics. | | | | | | | | | | 12 |
| 4 | Seamless Knitting and Knitting Care: Seamless Knitting– Applications, advantages, and limitations. Care and maintenance of knitted material-washing, drying, ironing, storing. Common defects that occur in knitted fabric production. | | | | | | | | | | 12 |
| 5 | Knitting Industry and market: Knitting Industry in India–growth and development. Significance of knit wear industry in Tirupur. Knit wear market–Present and future trends. Dyeing of Knit Fabric | | | | | | | | | | 12 |

| CO | Course Outcomes |
|-------------------------|---|
| CO1 | Understand the basics knitting process and the functions of a knitting machine |
| CO2 | Discover the weft knitting process and machineries used |
| CO3 | Discover the warp knitting process and machineries used |
| CO4 | Appraise the recent technology in the knitting industry |
| CO5 | Articulate the significant role played by the knitting industry locally and nationally |
| Textbooks: | |
| 1 | Knitting Manufacture Technology -Anbumani, New Age International, Chennai,2006 |
| 2 | Knitting and Apparel Technology, S.S.M.I.T Co-operative Society.2005 |
| Reference Books: | |
| 1 | Knitting Technology, DB Ajgaonker, Universal Publishing Corporation, 1998 |
| 2 | Warp knit fabric construction: from stitch formation to stitch construction, Wilkens,C., Heusenstamm, Germany: U. Wilkens Verlag,1995. |
| 3 | Flat Knitting, Meisenbach Bamberg, Samuel. R, Germany, 1991 |
| Web resources: | |
| 1 | https://fashion2apparel.blogspot.com/2017/02/seamless-garments-advantages.html |
| 2 | https://textilelearner.blogspot.com/2013/01/faultsdefects-in-knitted-fabrics.html |
| 3 | https://www.fibre2fashion.com/industry-article/7047/seamless-garment-technology |
| 4 | https://www.fibre2fashion.com/industry-article/64/overview-of-tirupur-knitwear-industry |

Mapping with programme outcomes and programme specific outcomes

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PSO1 | PSO2 | PSO3 |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| CO1 | 3 | 2 | 3 | 2 | 2 | 1 | 1 | 2 | 3 | 2 | 1 |
| CO2 | 3 | 2 | 3 | 2 | 2 | 1 | 1 | 2 | 3 | 2 | 1 |
| CO3 | 3 | 2 | 3 | 2 | 2 | 1 | 1 | 2 | 3 | 1 | 2 |
| CO4 | 3 | 2 | 3 | 2 | 2 | 1 | 1 | 2 | 3 | 3 | 1 |
| CO5 | 3 | 2 | 3 | 2 | 2 | 1 | 1 | 2 | 3 | 2 | 1 |
| Total | 15 | 10 | 15 | 10 | 10 | 5 | 5 | 10 | 15 | 10 | 6 |
| Average | 3 | 2 | 3 | 2 | 2 | 1 | 1 | 2 | 3 | 2 | 1.2 |

3 – Strong, 2- Medium, 1- Low

2 nd YEAR: FOURTH SEMESTER

| Subject Code | Course Name | Category | L | T | P | S | Credits | Hours | Marks | | |
|----------------------------|--|-----------|---|---|---|---|---------|-------|-------|----------|-------|
| | | | | | | | | | CIA | External | Total |
| 24UCDA43P | A) Eco Dyeing and Printing Practical | EC - 7 AL | 0 | 0 | 2 | 0 | 2 | 2 | 25 | 75 | 100 |
| Learning Objectives | | | | | | | | | | | |
| LO1 | Understand pre-preparatory processes like desizing and scouring. | | | | | | | | | | |
| LO2 | Extract natural dyes from flowers, leaves, and waste materials. | | | | | | | | | | |
| LO3 | Create eco-prints using natural materials and rust. | | | | | | | | | | |
| LO4 | Apply natural dye techniques through block, stencil, tie & dye, and batik printing. | | | | | | | | | | |
| LO5 | Design home textile products using natural dyes and eco prints. | | | | | | | | | | |
| Unit | Content | | | | | | | | | | Hours |
| 1 | Pre Preparatory Process: <ul style="list-style-type: none"> • Desizing • Scouring • Mercerising • Bleaching | | | | | | | | | | 6 |
| 2 | Create a Sample with a natural dye derived from the following: <ul style="list-style-type: none"> • Flower(2types) • Leaf(2types) • Fruits/Vegetables (Do not use edible parts only waste) | | | | | | | | | | 6 |
| 3 | Create a Sample with Eco Prints derived from the following <ul style="list-style-type: none"> • Flower • Leaf • Fruits/Vegetables (Do not use edible parts only waste) • Rust | | | | | | | | | | 6 |
| 4 | Print the Fabric Using Suitable Natural Dyes/Pigments <ul style="list-style-type: none"> • Block Printing–Wooden and Vegetable Blocks • Stencil Printing • Tie and Dye (use any three tying methods) • Batik Printing | | | | | | | | | | 6 |
| 5 | Create the following products with Natural dyes and Eco Prints Home Textile Products: Cushion Cover, Pillow Cover, Table Mats, Curtains, Table runners. | | | | | | | | | | 6 |

| CO | Course Outcomes |
|-------------------------|---|
| CO1 | Understand the basic fabric preparation methods before dyeing. |
| CO2 | Prepare dye samples using sustainable, non-edible plant waste. |
| CO3 | Prepare dye samples using sustainable, non-edible plant waste. |
| CO4 | Print fabrics using traditional dyeing techniques. |
| CO5 | Develop finished home textile products using natural dye and eco print techniques. |
| Textbooks: | |
| 1 | Eco Printing for Beginners Guide To Eco Printing, Steps, Tips, Eco Printing Methods and More, Brett Ethan,2022 |
| Reference Books: | |
| 1 | Eco Printing 101: Beginners Guide To Eco Printing, Basics, Steps, Tips And Many More, Connor Jace, 2022 |
| 2 | Printing With Natural Dyes, Nicola Cliffe, Crowood Pr, 2023 |
| 3 | Botanical Dyes: Plant-to-Print Techniques and Tips (By Hand), Babs Behan, Penguin Random House Ireland Limited, Quadrille Publishing, 2023 |
| Web resources: | |
| 1 | https://mochni.com/eco-prints-learn-the-process-of-all-natural-eco-printing/ |
| 2 | https://www.fiberartsy.com/eco-printing-fabric/ |
| 3 | https://naturalfabricdyeing.com/wp-content/uploads/2017/08/All-Eco-Printing-Techniques.pdf |

Mapping with programme outcomes and programme specific outcomes

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PSO1 | PSO2 | PSO3 |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| CO1 | 1 | 2 | 2 | 3 | 3 | 1 | 1 | 3 | 3 | 1 | 1 |
| CO2 | 2 | 2 | 2 | 3 | 3 | 2 | 1 | 3 | 2 | 1 | 1 |
| CO3 | 2 | 2 | 2 | 3 | 3 | 1 | 1 | 2 | 3 | 2 | 1 |
| CO4 | 2 | 2 | 3 | 2 | 3 | 2 | 1 | 2 | 3 | 1 | 1 |
| CO5 | 1 | 1 | 3 | 2 | 3 | 1 | 1 | 3 | 3 | 2 | 1 |
| Total | 8 | 9 | 12 | 12 | 15 | 7 | 5 | 13 | 14 | 7 | 5 |
| Average | 1.6 | 1.8 | 2.4 | 2.4 | 3 | 1.4 | 1 | 2.6 | 2.8 | 1.4 | 1 |

3 – Strong, 2- Medium, 1- Low

2 nd YEAR: FOURTH SEMESTER

| Subject Code | Course Name | Category | L | T | P | S | Credits | Hours | Marks | | |
|----------------------------|---|--------------|---|---|---|---|---------|-------|-------|----------|-------|
| | | | | | | | | | CIA | External | Total |
| 24UCDA44P | b) Knitting Practical | EC - 7 AL | 0 | 0 | 2 | 0 | 2 | 2 | 25 | 75 | 100 |
| Learning Objectives | | | | | | | | | | | |
| LO1 | Identify various knitted fabric types and designs. | | | | | | | | | | |
| LO2 | Analyze structure of single and double jersey fabrics. | | | | | | | | | | |
| LO3 | Measure course/wale density and loop length of knitted samples. | | | | | | | | | | |
| LO4 | Calculate GSM and tightness factor of fabric samples. | | | | | | | | | | |
| LO5 | Interpret technical graphs, cam and needle order. | | | | | | | | | | |
| Unit | Content | | | | | | | | | | Hours |
| 1 | Collect and Identify the following Samples <ul style="list-style-type: none"> • Single jersey and its derivative–5samples • Double jersey and itsderivatives-5samples • Auto stripe and Jacquard designs–2samples | | | | | | | | | | 6 |
| 2 | Analyze the given knitted fabric sample: <ul style="list-style-type: none"> • Single jersey and its derivative–3samples • Double jersey and itsderivatives-3samples • Auto stripe and Jacquard designs–2samples | | | | | | | | | | 6 |
| 3 | Instructions for Analysis <ul style="list-style-type: none"> • Course and Wale Density • Loop length | | | | | | | | | | 6 |
| 4 | Instructions for Analysis <ul style="list-style-type: none"> • Areal Density (GSM) • Tightness Factor | | | | | | | | | | 6 |
| 5 | Instructions for Analysis <ul style="list-style-type: none"> • Technical graph • Cam order • Needle order | | | | | | | | | | 6 |

| CO | Course Outcomes |
|-------------------------|---|
| CO1 | Identify the type of fabric structure of knitted Fabrics |
| CO2 | Analyze the type of fabric structure of knitted Fabrics |
| CO3 | Understanding knit structure and its derivatives |
| CO4 | Evaluate areal density and tightness of samples. |
| CO5 | Interpret and record technical specifications using graphs and machine settings. |
| Textbooks: | |
| 1 | Fabric Structure and Design, N. Gokarneshan, New Age International Publishers, 2008 |
| 2 | Knitting Technology, Ajgaonkar D. B, Universal Publishing Corporation, 1998 |
| Reference Books: | |
| 1 | Knitting Technology Second Edition, David Spencer, Wood Head Publishing Ltd. England 1989 |
| 2 | Flat Knitting, Samuel Raz, Meisenbach Bamberg, 1993 |
| 3 | Principles of Weaving, R. Marks, A.T.C. Robinson, The Textile Institute, Manchester,1976 |
| Web resources: | |
| 1 | https://www.textileschool.com/360/types-of-fabric-weaving-loom |
| 2 | https://textilelearner.blogspot.com/2013/08/woven-fabric-analysis-analysis-of-woven.html |
| 3 | https://www.textileflowchart.com/2014/12/process-flow-chart-of-weaving |

Mapping with programme outcomes and programme specific outcomes

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PSO1 | PSO2 | PSO3 |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| CO1 | 3 | 3 | 3 | 1 | 1 | 3 | 3 | 2 | 2 | 3 | 2 |
| CO2 | 2 | 2 | 3 | 1 | 1 | 3 | 3 | 2 | 2 | 2 | 2 |
| CO3 | 3 | 3 | 3 | 1 | 2 | 3 | 3 | 2 | 3 | 2 | 2 |
| CO4 | 2 | 1 | 3 | 2 | 1 | 3 | 3 | 3 | 2 | 1 | 2 |
| CO5 | 3 | 1 | 3 | 2 | 1 | 3 | 3 | 2 | 2 | 1 | 2 |
| Total | 13 | 10 | 15 | 7 | 6 | 15 | 15 | 11 | 11 | 9 | 10 |
| Average | 2.6 | 2 | 3 | 1.4 | 1.2 | 3 | 3 | 2.2 | 2.2 | 1.8 | 2 |

3 – Strong, 2- Medium, 1- Low

2 nd YEAR: FOURTH SEMESTER

| Subject Code | Course Name | Category | L | T | P | S | Credits | Hours | Marks | | |
|----------------------------|--|----------|---|---|---|---|---------|-------|-------|----------|-------|
| | | | | | | | | | CIA | External | Total |
| 24UCDS41 | FASHION PSYCHOLOGY | SEC-5 | 0 | 0 | 2 | 0 | 2 | 2 | 25 | 75 | 100 |
| Learning Objectives | | | | | | | | | | | |
| LO1 | Understand the psychological influence of fashion and clothing. | | | | | | | | | | |
| LO2 | Analyze the impact of color on mood, perception, and emotions. | | | | | | | | | | |
| LO3 | Explore how clothing affects social cognition, personality, and self-image. | | | | | | | | | | |
| LO4 | Evaluate psychological and social reasons behind clothing choices. | | | | | | | | | | |
| LO5 | Understand consumer behavior and psychological factors in fashion buying. | | | | | | | | | | |
| Unit | Content | | | | | | | | | | Hours |
| 1 | Psychology and fashion: Overview of fashion psychology, psychology behind fashion and clothing – variations and combinations, correct and wrong outfit, feel and comfort, positive and negative changes, importance of applying psychology, Style affects- personal style and appearance | | | | | | | | | | 6 |
| 2 | Psychology of color in clothing: Psychological view of color categories, warm and cool colors, characteristics and effects of color, color blindness, metamerism, color and impression, color perceptions, mood and emotions, color and desire, harmony of colors, color combinations | | | | | | | | | | 6 |
| 3 | Psychological perspectives on cloths: cloths and social cognition, cloths and impression, cloths and physical appearance, cloths and body image, body modifications, dress and personality, dress and self, psychology of clothing – factors influencing fashion, effects of dress on the behaviour of the wearer. | | | | | | | | | | 6 |
| 4 | Psychological aspects of fashion: Understanding the purpose of clothing - Protection, modesty, concealment, attraction. Social and psychological aspects of fashion; selection of material, color, clothing according to human; understanding the theories of fashion, effect of fashion life cycle and length of fashion | | | | | | | | | | 6 |
| 5 | Buying behaviour and Psychology: Consumer psychology and buying behaviour: Mind to wear, get right clothing, occasional clothing, self-confidence with dressing, Reason to dress the way- psychological process, fashion psychology today, research in fashion psychology | | | | | | | | | | 6 |
| | 1. The Psychology Behind Clothing Choices: How Fashion Reflects Personality, Mood, and Self-Perception 2. Color Psychology in Fashion: Emotional and Behavioral Responses to Clothing Colors 3. Consumer Psychology in Fashion: Understanding the “Mind to Wear” Concept 4. The Effect of Clothing on Behavior: A Study on “Encloded Cognition” | | | | | | | | | | |

| CO | Course Outcomes |
|-------------------------|---|
| CO1 | Understand psychological factors influencing clothing and fashion. |
| CO2 | Gain knowledge of Access the impact of color with mood and perceptions |
| CO3 | Interpret the link between dress, self-image, and behavior. |
| CO4 | Evaluate fashion choices based on psychological and cultural aspects. |
| CO5 | Acquire better knowledge of predict the consumer's buying behavior and psychology |
| Textbooks: | |
| 1 | Carolyn Mair, The Psychology of Fashion (The Psychology of Everything), Routledge; 1 edition, 2018 |
| 2 | Sharron J. Lennon, Kim K. P. Johnson, Nancy A. Rudd, Social Psychology of Dress, Fairchild Books, 1st, 2017 |
| Reference Books: | |
| 1 | Mike Easey, Fashion Marketing, Wiley- Blackwell Publishing, 2011 |
| 2 | Professor Karen J. Pine, Mind What You Wear: The Psychology of Fashion, Kindle edition, 2014 |
| Web resources: | |
| 1 | https://londonimageinstitute.com/how-to-empower-yourself-with-color-psychology/ |
| 2 | https://fashionandtextiles.springeropen.com/articles/10.1186/s40691-014-0020-7 |
| 3 | https://scispace.com/pdf/fashion-and-positive-psychology-interactions-between-1g8bxgd7.pdf |

Mapping with programme outcomes and programme specific outcomes

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PSO1 | PSO2 | PSO3 |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| CO1 | 3 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 3 | 2 | 1 |
| CO2 | 3 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 3 | 2 | 1 |
| CO3 | 3 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 3 | 2 | 1 |
| CO4 | 3 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 3 | 2 | 1 |
| CO5 | 3 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 3 | 2 | 1 |
| Total | 15 | 5 | 10 | 10 | 10 | 10 | 5 | 10 | 15 | 10 | 5 |
| Average | 3 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 3 | 2 | 1 |

3 – Strong, 2- Medium, 1- Low