



***THE LEARNING OUTCOME  
FRAME OF UG AND PG COURSE  
OF CLOTHING AND TEXTILE***

# **Department of Clothing & Textile**

## ***B.Sc. (Home Science)***

### **Program specific outcomes:**

PSO1: Gain knowledge in textile production and processing

PSO2: Acquire dexterity in fashion illustration, designing and garment construction

PSO3: Develop entrepreneurial skills in textiles and fashion

PSO4: Understand advance textile fabrication techniques

PSO5: Develop problem solving abilities in the areas of fashion designing, merchandising, textile testing and quality control

PSO6: Apply knowledge to introduce sustainable practices in the textile and apparel industry

PSO7: Through it students will enhance their scope in fabric and apparel quality, new opportunities for investment from economic – socio point of view

PSO8: Students will be able to develop the perspective to understand Art. They will be able to appreciate various art forms by implementing all graphic techniques in the assignments.

PSO9: Students learn to draw different fashion postures in relation to the garment.

PSO10: Learn different techniques of presentation.

PSO11: Students should choose a theme and the theme should provide for a wide scope for interpretation and adaptations

PSO12: They will start using the correct procedure of designing i.e. trend analysis, preparation

PSO13: boards & design collection/product development

PSO14: Use of different kinds of fabrics and materials is permitted

PSO15: Work on accessories /furnishing/ life style etc

PSO16: To acquaint students, with marketing process so that they can correlate theory with practical aspect of marketing.

## **B. Sc. (Home Science) I<sup>st</sup> Year**

### **Paper - Introduction to Textile & Clothing**

#### *Course Outcomes:*

**After the completion of the course, Students will be able to-**

CO1: recognize natural and artificial fibers and their properties.

CO2: evaluate the characteristics and performance of materials in textile and apparel products.

CO3: understand the various yarn and their utility in making Fabrics

CO4: understand the basic, chemical and special finishing.

CO5: understand the garment components and their drafting, cutting and stitching techniques.

CO6: understand the sewing techniques.

## **B. Sc. (Home Science) II<sup>nd</sup> Year**

### **Paper - Textile & Clothing**

#### *Course Outcomes:*

**After the completion of the course, Students will be able to-**

CO1: Understand the basic concept of fabric construction techniques.

CO2: Recognize different types of weaves and their properties towards comfort ability as well as their utility in Daily life.

CO3: Understand the types of dye and their suitability to fibers

CO4: Understand the methods of home dyeing and commercial dyeing.

CO5: Develop the judgment ability towards traditional Textiles.

CO6: Known facts, ideas, and skill about traditional textiles have been imparted

CO7: Understand the psychological and sociological effect of clothing.

## **B. Sc. (Home Science) II<sup>nd</sup> Year**

### **Paper : Job Oriented - Textile Designing**

#### ***Course Outcomes:***

**After the completion of the course, Students will be able to-**

CO1: Understand the importance of textiles in home decoration.

CO2: Evaluate the characteristics and performance of materials in home textiles.

CO3: Understand the textile designing in the point of types, importance, placements of different motifs.

CO4: Develop the skill to understand the styles of printing.

CO5: Understand the latest designing software used to making various motif combinations.

## **B. Sc. (Home Science) III<sup>rd</sup> Year**

### **Paper :Apparel Construction**

#### ***Course Outcomes:***

**After the completion of the course, Students will be able to-**

CO1: Understand the Art elements, principle of designs and their effects on apparel.

CO2: Understand concept and promotion of fashion.

CO3: Understand analysis and developing of fashion.

CO4: Understand the figure types and apparel designing according to them.

CO5: Understand the different sessions for proper fitting of desirable apparel.

CO6: Understand the collars, sleeves, silhouettes etc for the designing or apparel.

CO7: Learn drafting, cutting, layout and stitching of children's and ladies Garments.

## B. Sc. (Home Science) III<sup>rd</sup> Year

### Paper : Job oriented - Garment Designing and Fashion

#### *Course Outcomes:*

**After the completion of the course, Students will be able to-**

CO1: Compare the sketches of fashion and normal figure

CO2: Develop designs suitable for accessories through sketching.

CO3: Modify and incorporate garments to the fashion figures

CO4: Create and sketch own designs

CO5: Understand the body measurement methods for constructing various garments

CO6: Understand the fashion figure details.

CO7: Understand the fashion concepts and fashion industry.

CO8: Understand the features of state costumes of India.

CO9: Special Clothing for old age, Maternity, lactating mothers and physically challenged people.

CO10: Pattern preparation methods for the commercial use of designing garments as well as individuals.

CO11: Utility of leather and fur garments for purposive and supportive ways.

CO12: Evaluating quality in garments.

CO13: Understand fashion retailing merchandising and promotion techniques.

## M. SC. CLOTHING AND TEXTILE

### Program Specific Outcomes:

**After the completion of the post graduate degree course students will be able to-**

- PSO1: understand the current processes and trends, new developments and technological changes in the field of textiles and apparel.
- PSO2: identify and appreciate the historic textiles and costumes of the world and draw inspiration for the present
- PSO3: apply creative, managerial and technical skills for careers and entrepreneurship in the field of apparel and textiles.
- PSO4: understand and apply tools and methods of research and statistics for conducting research in the subject area.
- PSO5: apply their knowledge and skills and reach out to the community for their capacity building.
- PSO6: implement the creative design process and evaluate them.
- PSO7: interpret aesthetic, historic and trend information from the variety of sources to create innovative and artistic textile and apparel products.
- PSO8: communicate creative and design work to professionals and consumers.
- PSO9: understand various accessories used in apparel.
- PSO10: understand analysis and developing of fashion resources and buying behaviors.
- PSO11: understand different aspects of fashion marketing.
- PSO12: understand the basic concept of technical textile.
- PSO13: understand the design details and able to know the various fabric structures as well as colour and weave effect.
- PSO14: make effective oral presentations on a variety of topics in public settings and effective business and professional presentations to internal and external audiences.
- PSO15: run their own business as well as they have developed links with the fashion, garment and textile industry.

- PSO16: open their own cloth sewing centers and other sewing related work.
- PSO17: identifying employment opportunities
- PSO18: understand the textile printing processes.
- PSO19: comprehend the foundations, process, and practices of writing for and about the media, and demonstrate proficiency in writing in one or more professional media writing applications.
- PSO20: understand demonstration of software applications in textile as well as fashion designing
- PSO21: understand the research areas to related field.
- PSO22: apply fundamental computer skills to complement traditional design skills and develop original designs using CAD as a tool including basic technical preparation of designs for production;
- PSO23: apply historic costume knowledge to modern fashion design construction.
- PSO24: analyze and use color units effectively in their design process.
- PSO25: adapt their artistic abilities to support their future design careers.
- PSO26: demonstrate professionalism by managing time to meet deadlines with quality work and effectively collaborating in teams.

## **SEMESTER-I**

### **PAPER-I TEXTILE CHEMISTRY**

#### **Course Outcomes-**

After completion of the course, Students will be able to-

- CO1: understand the polymers and polymerization process of textile Fibers.
- CO2: understand the system of molecular arrangement to determine the fiber properties.
- CO3: understand the processes, chemical properties of cellulosic, Protein, manmade, synthetic fibers.
- CO4: understand different dye class and applied on various types of historic and modified fibres.
- CO4: understand the basic, chemical and special finishing.
- CO5: gain knowledge of modified and special Purpose fibers.

**Practical-**

**Course Outcomes**

After completion of the course, Students will be able to-

CO1: identify fiber properties

CO2: know the dyeing Procedures of natural dyes

CO2: analyze quantitative analysis of blends.

**PAPER-II**

**FABRIC CONSTRUCTION AND WOVEN FABRIC ANALYSIS**

**Course Outcomes**

After completion of the course, Students will be able to-

CO1: Understand the contemporary and new spinning system.

CO2: Understand the modern yarn production technology.

CO3: Understand different weave designs details and know the various fabric structures according to their construction techniques.

CO4: Understand the Various looms and weaving operations.

CO5: Understand principles of colour and design in weaving.

**Practical-**

**Course Outcomes**

After completion of the course, Students will be able to-

CO1: Construct fabrics through different fabric construction techniques.

CO2: Identify different fabrics according to weave and texture.

## **PAPER-III**

### **APPAREL DESIGN & ADVANCED APPAREL CONSTRUCTION**

#### **Course Outcomes**

After completion of the course, Students will be able to-

CO1: Use industry terminology and equipments used for apparel construction techniques in appropriate ways.

CO2: Understand different apparel making techniques and their implementation as designer.

CO3: Understand the fitting sessions for best fitted garments. Improve fitting techniques.

CO4: Understand the buying criteria of different types of fabrics.

CO5: Identify the components and evaluate quality of apparel.

#### **Practical-**

#### **Course Outcomes**

After completion of the course, Students will be able to-

CO1: Construct garment details in modified way.

CO2: Construct tailored garments, in correct sequence of operations.

## **PAPER-IV**

### **RESEARCH METHODS AND STATISTICS**

#### **Course Outcomes**

After completion of the course, Students will be able to-

CO1: develop understanding on various kinds of research, objectives of doing research, research process, research designs and sampling.

CO2: gain basic knowledge on qualitative research techniques.

CO3: understand adequate knowledge on measurement & scaling techniques as well as the quantitative data analysis.

CO4: interpret basics of data analysis-and hypothesis testing procedures.

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**SEMESTER-II**  
**PAPER-I**  
**TEXTILE TESTING AND QUALITY CONTROL**

**Course Outcomes**

After completion of the course, Students will be able to-

CO1: apply statistical tools in textile that is able to testing.

CO2: understand the test significance of textile testing

CO3: understand Sample selection technique for textile testing.

CO4: perform measurement methods and evaluation of fibres, yarn and fabric properties.

CO5: perform the measurement methods and evaluation of fabric colour fastness properties.

**Practical-**

**Course Outcomes**

After completion of the course, Students will be able to-

CO1: employ various sampling techniques in textile testing.

CO2: test different types of textile fibers using the relevant instrument.

CO3: measure yarn count, twist and irregularity using the relevant instrument.

CO4: test fabric based on different quality parameters using the relevant instruments.

CO5: know the tests for tensile strength of fibers and fabrics using the relevant instruments.

**PAPER-II**  
**HISTORIC TEXTILES**

**Course Outcomes**

After completion of the course, Students will be able to-

CO1: understand the historical development and products achieved in historical perspective.

CO2: analyze different traditional Indian and world embroideries.

CO3: Understand the development process of dyeing and printing.

CO4: Analyze and identify fabric structure, material content, and method of manufacture of historic textiles for purposes of either conservation work or for descriptive analytical reports

CO5: Interpret the historic context of textiles to a specific intended audience through published papers, exhibitions, and public presentations.

## **PAPER-III**

### **FASHION DESIGN**

#### **Course Outcomes**

After completion of the course, Students will be able to-

CO1: Apply knowledge of design elements and principles.

CO2: Understand the application of fashion components in the field of fashion.

CO3: Understand the fashion forecasting process for become a fashion designer.

CO4: Sketch fashion figure and applying various components of garment details for the purpose of making fashionable or designer garments.

## **PRACTICAL :**

### **HISTORIC TEXTILES, FASHION DESIGN & FASHION ILLUSTRATION**

#### **Course Outcomes**

After completion of the course, Students will be able to-

CO1: Understand the traditional textile designs through process of designing on sheet.

CO2: illustrate garment details and developing a line of garment on theme.

CO3: develop a library of fashion croquis/templates.

## **PAPER-IV**

### **STATISTICS & COMPUTER APPLICATIONS**

#### **Course Outcomes**

After completion of the course, Students will be able to-

CO1: summarize data visually and numerically.

CO2: understand the statistical techniques and application of computer in the field of subjective research.

CO3: execute statistical analyses with professional software.

**SEMESTER-III**  
**PAPER-I**  
**KNITTING TECHNOLOGY**

**Course Outcomes**

After completion of the course, Students will be able to-

- CO1: demonstrate basic skills in knitting techniques and knitting theory,
- CO2: describe types, characteristics and structure of knitted products,
- CO3: understand the Principle of knitting by different types of knitting machines
- CO4: demonstrate basic skills in knitting techniques by knitting on a hand knitting machine and a circular knitting machine.

**PAPER-II**  
**HISTORIC COSTUME**

**Course Outcomes**

After completion of the course, Students will be able to-

- CO1: identify costumes and style features of selected historical periods of the Western world from the time of the Egyptians to the 1990s.
- CO2: understand costume as an expression of the cultures of various historical periods and Relate historical costume design to contemporary dress.
- CO3: describe, define, and/or identify clothing forms associated with various ancient civilizations and time periods of selected Western civilizations.
- CO4: recognize similarities and differences in clothing forms used by selected civilizations and the effect of technological and natural resources on the development of clothing patterns and jewellery.
- CO5: address historical periods and clothing as they are utilized in creating costume design, and understand the social and artistic movements which shaped the era.
- CO6: compile research in costume history, placing it in an historical, social and geographical context.
- CO7: analyze and identify fabric structure, material content, and method of manufacture of historic costume and textiles for purposes of either conservation work or for descriptive analytical reports;

CO8: employ practiced methodologies for the protection and longevity of historic costume and textiles in collections; and public presentations.

CO9: interpret the historic context of costume and textiles to a specific intended audience through published papers, exhibitions, and public presentations.

### **PAPER-III**

## **Social and Psychological aspects of Clothing**

#### **Course Outcomes**

After completion of the course, Students will be able to-

CO1: understand the development of clothing from original stage to present era.

CO2: know different personality theories

CO3: understand the psychological aspects of clothing with reference to different criteria.

### **PAPER-IV**

## **FASHION COMMUNICATION**

#### **Course Outcomes**

After completion of the course, Students will be able to-

CO1: Understand the communication processes

CO2: give examples of various types of fashion shows and outline the fashion show plan.

CO3: construct a visual merchandising display with specified criteria.

CO4: write and present a report about the various types of retail organizations.

CO5: knowledge of opportunities and problems as regards the communication of clothing and fashion.

CO6: critically evaluate the fashion design work of others and provide constructive criticism for ongoing work.

CO7: deconstruct and reconstruct alternative collection developments from existing work.

### **PRACTICAL- I: DRAPING**

#### **Course Outcomes**

After completion of the course, Students will be able to-

CO1: Drape new apparel designs on the dress form within a given time frame.

CO2: construct tailored garments, in correct sequence of operations.

## **PRACTICAL- II: TEXTILE DESIGN (STRUCTURE)**

### **Course Outcomes**

After completion of the course, Students will be able to-

CO1: apply comprehensive textile design skills to design textiles through painting, weaving, screen printing, and demonstrate basic skills in drawing, repeat creation, and color application;

CO2: learn about various techniques and process of designing textiles

CO3: identify various creative textile techniques.

CO4: apply fundamental computer skills to complement traditional design skills and develop original designs using CAD as a tool including basic technical preparation of designs for production.

## **SEMESTER-IV**

### **PAPER-I**

#### **DYEING AND PRINTING**

### **Course Outcomes**

After completion of the course, Students will be able to-

CO1: explain the effect of dyes and chemicals on the properties of textile materials, in both aesthetic and functional terms.

CO2: independently carry out different types of dyeing, printing and processing of textile materials.

CO3: describe the methods and styles of printing.

### **PAPER-II**

#### **GARMENT PRODUCTION TECHNOLOGY**

### **Course Outcomes**

After completion of the course, Students will be able to-

- CO1: gain knowledge of garment industry, structure and functioning.
- CO2: understand the related to processes before, during and after production.
- CO3: Familiarity with various machines, tools and equipment used in garment industry.
- CO4: understand various materials and components of garment production.

### **PAPER-III**

## **Fashion Retailing and Merchandising**

#### **Course Outcomes**

After completion of the course, Students will be able to-

- CO1: gain knowledge of merchandising activities in a retail setup
- CO2: manage stakeholders involved in retailing
- CO3: understand the use and characteristics of various tools of promotion
- CO4: understand the concept of store design, store layout and visual merchandising

### **PAPER-IV**

## **Textile Industry In India**

#### **Course Outcomes**

After completion of the course, Students will be able to-

- CO1: An understanding of the textile supply chain, associated sustainability issues and the effect of industrial revolution on current fashion scenario
- CO2: Understand the National textile policy and foreign trade policy.
- CO3: Understand the textile and clothing industry in relation to various aspects.

### **IV Paper**

## **Mass Communication (Optional)**

#### **Course Outcomes**

After completion of the course, Students will be able to-

- CO1: evaluate mass communication theories and assess their use.
- CO2: introduce different types of media their characteristics, merits and demerits
- CO3: understand news values and qualities of reporters.

CO4: introduce students to basics of advertising and its role in society.

CO5: understand the scope, functioning of Public relations

CO6: rasp the complex relationship between communication/media theories and a diverse set of individual, social, and professional practices.

## **IV Paper Dissertation (Optional)**

### **Course Outcomes**

After completion of the course, Students will be able to-

CO1: know the practical aspects of, collecting data/ project work

CO2: evaluate, select and use appropriate strategies for reduction, analysis and presentation of data collected during research process/ project work

CO3: suitably illustrate data/ insights using various graphical and other methods.

CO4: prepare a dissertation document/ project report based on research process/ project work done.

## **PRACTICAL I : DYEING AND PRINTING**

### **Course Outcomes**

After completion of the course, Students will be able to-

CO1: understand the different styles and methods involved in dyeing & printing Textiles.

CO2: identify the correct method and style for printing Textiles.

CO3: recognize the difference between different kinds of prints.

CO4: apply of printing methods on different types of fabric.

## **PRACTICAL II : PATTERN MAKING & GRADING**

### **Course Outcomes**

After completion of the course, Students will be able to-

CO1: Proficiency in pattern making for girls garments

CO2: Gain ability to use pattern making for creating new girls garments designs

CO3: Understand different types of paper pattern

CO4: Competent to lay the pattern on the fabric

CO5: understand the different pattern adaptation techniques used to fit the different figure shapes and garment sizes.