

MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE

(An Autonomous College)

Affiliated to Periyar University, Salem | Accredited by NAAC with 'A' Grade

Recognized by UGC under Section 2(f) & 12 (B)



ESTD-1994

**MUTHAYAMMAL
COLLEGE OF ARTS
AND SCIENCE**

(Autonomous)

A UNIT OF VANETRA GROUP

| Learn.
| Lead

www.muthayammal.in

DEGREE OF BACHELOR OF SCIENCE

Learning Outcomes - Based Curriculum Framework

- Choice Based Credit System

Syllabus for B.Sc., Textile and Fashion Designing (Semester Pattern)

(For Candidates admitted from the academic year
2021 -2022 and onwards)

**MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE
(AUTONOMOUS)**

VISION

To redefine the scope of higher education by infusing into each of our pursuits, initiatives that will encourage intellectual, emotional, social and spiritual growth, thereby nurturing a generation of committed, knowledgeable and socially responsible citizens

MISSION

- To Ensure State of the world learning experience
- To espouse value based Education
- To empower rural education
- To instill the spirit of entrepreneurship and enterprise
- To create a resource pool of socially responsible world citizens

MOTTO

Forward in Virtue

QUALITY POLICY

To seek-To strive -To achieve greater highest in Arts and Science, Engineering, Technological and Management Education without compromising on the quality of Education.

DEPARTMENT OF TEXTILE AND FASHION DESIGNING

VISION

To provide professional instruction in Fashion and Design in a friendly and pleasant surroundings while catering to the needs of different target market groups.

MISSION

To cultivate a more personal and longer term relationship with the students through adaptability to changing issues self-confidence and willingness to achieve better.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

PEO1: Graduates will be able to promote learning environment to meet the industry expectation.

PEO2: Graduates will be incorporated the critical thinking with good communication and leadership skills to become a self-employed

PEO3: Graduates will be up-hold the human values and environmental sustenance for the betterment of the society.

GRADUATE ATTRIBUTES

GA 1: Analytical Reasoning

GA 2: Critical Thinking

GA 3: Problem Solving Skills

GA 4: Communication Skills

GA 5: Leadership Quality

GA 6: Team Work

GA 7: Lifelong Learning

PROGRAMME OUTCOMES (POs)

PROGRAMME OUTCOMES (POs):

PO1: Graduates will acquire dynamic skills through proper perception of the course objectives that leads to scientific and analytical comprehension of the concepts;

PO2: Graduates will focus on sustainable goals that might bring about spherical developments

PO3: Graduates will infuse a spirit converging on bricking a team work, interpersonal and administrative skills to think critically and execute effectively

PO4: Graduates will apply reasoning appropriately to scale the humps in learning and solute them to the core.

PO5: Graduates will engage the skills obtained in independent and collaborative learning as a perennial process.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

PSO1: To excel the student creative and innovative trends in textile and fashion industry.

PSO2: To generate self employability skills.

PSO3: To encourage digital marketing of Textile and Fashion products at worldwide.

PSO4: To promote digital fashion designing skills.

PSO5: To encourage research aptitude among the students to float new designs time and again.

| S.No. | PART | STUDY COMPONENTS | SUBJECT_CODE | TITLE OF THE SUBJECT | Hrs. | | CRE DIT | MARKS | | |
|----------------------|------|----------------------------|--------------|---|------|------|---------|-------|-----|-------|
| | | | | | Lect | Lab. | | CIA | EA | TOTAL |
| SEMESTER - I | | | | | | | | | | |
| 1 | I | LANGUAGE-I | 21M1UFTA01 | TAMIL-I | 5 | - | 3 | 25 | 75 | 100 |
| 2 | II | LANGUAGE-II | 21M1UCEN01 | COMMUNICATIVE ENGLISH-I | 5 | - | 3 | 25 | 75 | 100 |
| 3 | III | DSC THEORY-I | 21M1UTFC01 | FIBER & YARN SCIENCE | 5 | - | 5 | 25 | 75 | 100 |
| 4 | III | GEC THEORY-I | 21M1UTFA01 | PATTERN MAKING & GRADING | 4 | - | 4 | 25 | 75 | 100 |
| 5 | III | DSC PRACTICAL-I | 21M1UTFP01 | PRACTICAL: FIBER & YARN SCIENCE | - | 5 | 3 | 40 | 60 | 100 |
| 6 | IV | AECC-VALUE EDUCATION | 21M1UVED01 | YOGA | 2 | - | 2 | 100 | - | - |
| 7 | IV | PROFESSIONAL ENGLISH-I | 21M1UPEL01 | PROFESSIONAL ENGLISH FOR LIFE SCIENCE-I | - | 4 | 2 | 25 | 75 | 100 |
| | | | | TOTAL | 21 | 9 | 22 | 265 | 435 | 600 |
| SEMESTER - II | | | | | | | | | | |
| 1 | I | LANGUAGE-II | 21M2UFTA02 | TAMIL-II | 5 | - | 3 | 25 | 75 | 100 |
| 2 | II | LANGUAGE-II | 21M2UCEN02 | COMMUNICATIVE ENGLISH-II | 5 | - | 3 | 25 | 75 | 100 |
| 3 | III | GEC THEORY-II | 21M2UTFA02 | APPAREL MANUFACTURING MACHINERIES & EQUIPMENT | 4 | - | 4 | 25 | 75 | 100 |
| 4 | III | DSC PRACTICAL - II | 21M2UTFP02 | PRACTICAL : BASICS OF APPAREL DESIGNING | - | 5 | 3 | 40 | 60 | 100 |
| 5 | III | DSC PRACTICAL - III | 21M2UTFP03 | PRACTICAL : BASIC ILLUSTRATION & SKETCHING | - | 5 | 3 | 40 | 60 | 100 |
| 6 | IV | AECC-ENVIRONMENTAL STUDIES | 21M2UEVS01 | ENVIRONMENTAL STUDIES | 2 | - | 2 | 100 | - | - |
| 7 | IV | PROFESSIONAL ENGLISH-II | 21M2UPEL02 | PROFESSIONAL ENGLISH FOR LIFE SCIENCE-II | - | 4 | 2 | 25 | 75 | 100 |
| | | | | TOTAL | 16 | 14 | 20 | 280 | 420 | 600 |


Head of the Department
Department of Textile and Fashion Designing
Muthayammal College of Arts and Science,
Rasipuram - 637 408


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NAMAKKAL DISTRICT.



MUTHAYAMMAL COLLEGE OF ARTS & SCIENCE(Autonomous) - Rasipuram - 637 408
 Scheme of Examinations - CBCS Patern
 (for the Students Admitted Academic Year:2021-2022 and Onwards)
 Programme Name: B.Sc.TEXTILE AND FASHION DESIGNING

| S.No. | PART | STUDY COMPONENTS | SUBJECT_CODE | TITLE OF THE SUBJECT | Hrs. | | CRE DIT | MARKS | | |
|-----------------------|------|--------------------|--------------|---------------------------------------|------|------|---------|-------|-----|-------|
| | | | | | Lect | Lab. | | CIA | EA | TOTAL |
| SEMESTER - III | | | | | | | | | | |
| 1 | III | DSC THEORY - II | 21M3UTFC02 | FABRIC SCIENCE | 5 | - | 5 | 25 | 75 | 100 |
| 2 | III | DSC THEORY - III | 21M3UTFC03 | TEXTILE WET PROCESSING | 5 | - | 5 | 25 | 75 | 100 |
| 3 | III | DSC PRACTICAL-IV | 21M3UTFP04 | PRACTICAL : TEXTILE DESIGNING | - | 4 | 2 | 40 | 60 | 100 |
| 4 | III | DSC PRACTICAL-V | 21M3UTFP05 | PRACTICAL : TEXTILE WET PROCESSING | - | 3 | 2 | 40 | 60 | 100 |
| 5 | III | DSC PRACTICAL-VI | 21M3UTFP06 | PRACTICAL : CHILDREN'S APPAREL | - | 3 | 2 | 40 | 60 | 100 |
| 6 | III | GEC THEORY-III | 21M3UCSA01 | DIGITAL FASHION DESIGNING | 4 | - | 4 | 25 | 75 | 100 |
| 7 | III | GEC PRACTICAL-I | 21M3UCSAP1 | PRACTICAL : DIGITAL FASHION DESIGNING | - | 4 | 2 | 40 | 60 | 100 |
| 8 | IV | NMEC - I | 21M3UBAN01 | NMEC - I | 2 | - | 2 | 25 | 75 | 100 |
| | | | | TOTAL | 16 | 14 | 24 | 260 | 540 | 800 |
| SEMESTER - IV | | | | | | | | | | |
| 1 | III | DSC THEORY - IV | 21M4UTFC04 | APPAREL QUALITY & STANDARDS | 4 | - | 4 | 25 | 75 | 100 |
| 2 | III | DSC THEORY - V | 21M4UTFC05 | HOME TEXTILES | 4 | - | 4 | 25 | 75 | 100 |
| 3 | III | DSC PRACTICAL-VII | 21M4UTFP07 | PRACTICAL : HOME TEXTILES | - | 4 | 2 | 40 | 60 | 100 |
| 4 | III | DSC PRACTICAL-VIII | 21M4UTFP08 | PRACTICAL : WOMEN'S APPAREL | - | 4 | 2 | 40 | 60 | 100 |
| 5 | III | GEC THEORY-IV | 21M4UCSA03 | DIGITAL MARKETING | 4 | - | 4 | 25 | 75 | 100 |
| 6 | III | GEC PRACTICAL-II | 21M4UCSAP3 | PRACTICAL : DIGITAL MARKETING | - | 4 | 2 | 40 | 60 | 100 |
| 7 | IV | SBEC PRACTICAL-I | 21M4UTFSP1 | PRACTICAL : NEEDLE CRAFT | - | 4 | 2 | 40 | 60 | 100 |
| 8 | IV | NMEC - II | 21M4UBAN02 | NMEC - II | 2 | - | 2 | 25 | 75 | 100 |
| | | | | TOTAL | 14 | 16 | 22 | 260 | 540 | 800 |


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| S.No. | PART | STUDY COMPONENTS | SUBJECT_CODE | TITLE OF THE SUBJECT | Hrs. | | CRE DIT | MARKS | | |
|----------------------|------|--------------------------------|--------------|---|-----------|-----------|-----------|------------|------------|------------|
| | | | | | Lect | Lab. | | CIA | EA | TOTAL |
| SEMESTER - V | | | | | | | | | | |
| 1 | III | DSC THEORY-VI | 21M5UTFC06 | APPAREL COSTING & MERCHANDISING | 5 | - | 5 | 25 | 75 | 100 |
| 2 | III | DSC THEORY-VII | 21M5UTFC07 | TEXTILE FINISHING | 5 | - | 5 | 25 | 75 | 100 |
| 3 | III | DSC PRACTICAL-IX | 21M5UTFP09 | PRACTICAL - COMPUTER APPLICATION IN GARMENT | - | 4 | 2 | 40 | 60 | 100 |
| 4 | III | INTERNSHIP | 21M5UTFIS1 | INTERNSHIP | 0 | - | 2 | 100 | - | - |
| 5 | III | DSC PRACTICAL-X | 21M5UTFP10 | PRACTICAL : MEN'S APPAREL | - | 4 | 2 | 40 | 60 | 100 |
| 6 | III | DSE-I | 21M5UTFE01 | ELECTIVE - I | 4 | - | 4 | 25 | 75 | 100 |
| 7 | III | DSE-II | 21M5UTFE02 | ELECTIVE - II | 4 | - | 4 | 25 | 75 | 100 |
| 8 | IV | SBEC PRACTICAL-II | 21M5UTFSP02 | PRACTICAL : FASHION PHOTOGRAPHY | - | 4 | 2 | 40 | 60 | 100 |
| | | | | TOTAL | 18 | 12 | 26 | 320 | 480 | 700 |
| SEMESTER - VI | | | | | | | | | | |
| 1 | III | DSC THEORY - VIII | 21M6UTFC08 | CLOTHING CARE | 5 | - | 5 | 25 | 75 | 100 |
| 2 | III | DSE-III | 21M6UTFE03 | ELECTIVE - III | 4 | - | 4 | 25 | 75 | 100 |
| 3 | III | DSE-IV | 21M6UTFE04 | ELECTIVE - IV | 4 | - | 4 | 25 | 75 | 100 |
| 4 | III | PROJECT WORK | 21M6UTFPR1 | DIGITAL FASHION PORTFOLIO PRESENTATION-VIVA VOCE | - | 6 | 4 | 40 | 60 | 100 |
| 5 | III | ONLINE-COMPETITIVE EXAMINATION | 21M6UTFOE1 | COMPETITIVE ONLINE EXAMINATION IN TEXTILE & FASHION | - | - | 2 | 100 | - | - |
| 6 | IV | SBEC PRACTICAL-III | 21M6UTFSP03 | PRACTICAL : FASHION DRAPING | - | 5 | 3 | 40 | 60 | 100 |
| 7 | IV | SBEC PRACTICAL-IV | 21M6UTFSP04 | PRACTICAL: BEAUTY CARE | - | 6 | 3 | 40 | 60 | 100 |
| 8 | V | EXTENSION ACTIVITY | 21M6UEXA01 | EXTENSION ACTIVITY | - | - | 1 | 100 | - | - |
| | | | | TOTAL | 13 | 17 | 26 | 395 | 405 | 600 |

| | | | | | | | |
|--|----------------------------|-------------------|---|------------|-------------|-------------|-------------|
| | OVERALL TOTAL | 98 | 82 | 140 | 1780 | 2820 | 4100 |
| | EXTRA CREDIT COURSE | 21M6UTFEC1 | MOOC COURSES OFFERED IN SWAYAM / NPTEL | | - | - | - |

*Students should undergo 30 days internship to any Textile/Apparel/Fashion Industry & Designers Studio at the end of the IVth semester (Internship Project Viva Voce should be conducted in Vth semester)

[Signature]
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[Signature]
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UG- REGULATIONS

1. Internal Examination Marks – Theory

| Components | Marks |
|-------------------|--------------|
| CIA I & II | 15 |
| Attendance | 5 |
| Assignment | 5 |
| Total | 25 |

| Attendance Percentage | Marks |
|------------------------------|--------------|
| 96 % to 100% | 5 |
| 91% to 95% | 4 |
| 86% to 90% | 3 |
| 81% to 85% | 2 |
| 75% to 80% | 1 |
| Below 75% | 0 |

2. QUESTION PAPER PATTERN FOR CIA I, II AND ESE (3 HOURS) MAXIMUM: 75 Marks

SECTION - A (10 Marks) (Objective Type)

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(10 x 1 = 10 marks)

SECTION - B (10 Marks) (Short Answer)

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 2 = 10 marks)

SECTION - C (25 Marks) (Either or Type)

Answer any FIVE questions

ALL Questions Carry EQUAL Marks

Either or Type.

(5 x 5 = 25 marks)

SECTION - D (30 Marks) (Analytical Type)

Answer any THREE Questions out of FIVE questions

ALL Questions Carry EQUAL Marks

(3 x 10 = 30 marks)

(Syllabus for CIA-I 2.5 Unit, Syllabus for CIA-II All 5 Unit)

2. a) Components for Practical CIA.

| Components | Marks |
|------------------|-------|
| CIA – I | 15 |
| CIA - II | 15 |
| Observation Note | 5 |
| Attendance | 5 |
| Total | 40 |

2. b) Components for Practical ESE.

| Components | Marks |
|---------------------------|-------|
| Completion of Experiments | 50 |
| Record | 5 |
| Viva | 5 |
| Total | 60 |

3. Guidelines for Value Education Yoga and Environmental Studies (Part IV)

- The Course Value Education Yoga is to be treated as 100% CIA course which is offered in I Semester for I year UG students.
- The Course Environmental Studies is to be treated as 100% CIA course which is offered in II Semester for I year UG students.
- Total Marks for the Course=100

| Components | Marks |
|----------------------------------|-------|
| Two Tests (2 x 30) | 60 |
| Field visit and report (10 + 10) | 20 |
| Two assignments (2 x 10) | 20 |
| Total | 100 |

The passing minimum for this course is 40%

- In case, the candidate fails to secure 40% passing minimum, he / she may have to reappear for the same in the subsequent odd/even semesters.

4. Guidelines for Extension Activity (Part V)

- At least two activities should be conducted within semester consisting of two days each
- The activities may be Educating Rural Children, Unemployed Graduates, Self Help Group each.
- The marks may be awarded as follows
-

| No of Activities | Marks |
|---|-------|
| 2 x 50 (Each Activity for two days) | 100 |

5. Internship/ Industrial Training, Mini Project and Major Project Work

| Internship /Industrial Training | | Mini Project | Major Project Work | |
|---------------------------------|------------|--------------|------------------------------|------------|
| Components | Marks | Marks | Components | Marks |
| CIA*² | | | CIA | |
| Work Diary | 25 | - | a) Attendance 10 Marks | 40 |
| Report | 50 | 50 | b) Review / Work 30 Marks | |
| Viva –voce Examination | 25 | 50 | Diary* ¹ | |
| Total | 100 | 100 | | |
| | | | ESE*² | |
| | | | a) Final Report 40 Marks | 60 |
| | | | b) Viva-voce 20 Marks | |
| | | | Total | 100 |

*¹ Review is for Individual Project and Work Diary is for Group Projects (Group consisting of minimum 3 and maximum 5)

*²Evaluation of report and conduct of viva voce will be done jointly by Internal and External Examiners

6. Guidelines for Competitive Exams- Online Mode (Part III)- Online Exam 3 hours

| Components | Marks |
|---|--------------|
| 100 Objective Type Questions 100*1=100 Marks | 100 |

Objective type Questions from Question Bank.

- The passing minimum for this paper is 40%
- In case, the candidate fails to secure 40% passing minimum, he / she may have to reappear for the same in the subsequent semesters.

B.Sc., Textile and Fashion Designing Syllabus LOCF-CBCS with effect from 2021-2022 Onwards

| Course Code | Course Title | Course Type | Sem | Hours | L | T | P | C |
|------------------|--|------------------|-----|-------|----------|---|---|---|
| 21M1UTFC01 | FIBER & YARN SCIENCE | DSC THEORY - I | I | 5 | 5 | | | 5 |
| Objective | Facilitate the students to understand the manufacturing processes of natural, synthetic fibers and yarns. | | | | | | | |
| Unit | Course Content | Knowledge Levels | | | Sessions | | | |
| I | Natural Fibers Introduction to Textile fibers - Definition, Classification of fibers - Essential and Desirable properties – Natural fibers- Cotton, Linen, Silk, Wool, Jute, - Manufacturing, Physical and Chemical Properties and end uses. Brief study of fibers - Kapok, Bamboo, Banana, Coir, Sisal, Hemp, Soy bean. | K1 | | | 12 | | | |
| II | Manmade Fibers Filament Spinning System- Manmade fibres - Polyester, Poly Acrylic, Polyamide, Nylon. Regenerated fibers – Viscose rayon, Polynosic (HWM), Modal, Manufacturing, Physical, chemical Properties and end uses. Brief study of Kevlar, spandex/ Lycra, Lyocell and Glass fibers. | K2 | | | 12 | | | |
| III | Ginning & Blow room Processes Pre-Production Process- Ginning – objectives, types & working principles of knife roller gin. Blow room process – Objectives of mixing and blending. Blow room- objectives, working principles of axi-flow cleaner, kirschner beater, lap forming unit (scutcher) - cleaning efficiency. | K3 | | | 12 | | | |
| IV | Spinning Processes Yarn Production Process – Carding, modern carding, Draw frame, Roller drafting, Comber, Simplex & Spinning (Ring frame) – Objectives, types & working principles. Study of Non conventional spinning – Rotor spinning, Friction spinning, Electrostatic spinning, Air jet spinning, Winding. | K3-K4 | | | 12 | | | |
| V | Post Spinning Processes Cone winding, Doubling, Reeling- Ply yarn and single yarn Characteristics. Hosiery yarns properties. Study of yarn twist and its importance -Various yarn & package defects. Yarn numbering systems. Classification of Sewing threads & applications, Core spun sewing thread – Advantages. | K4 | | | 12 | | | |

| | | | | |
|---------------------------|--|------------|-------------|-----------|
| Course Outcome | On the successful completion of the course, student will be able to: | | | 60 |
| | CO1: Remember and understand the natural sources and manufacturing of fibres. | K1-K2 | | |
| | CO2: Understand the manufacturing processes of manmade fibres. | K2 | | |
| | CO3: Apply the techniques of ginning & blow room processes. | K3 | | |
| | CO4: Apply and analyze the techniques of spinning. | K3 | | |
| | CO5: Analyze the post spinning processes. | K4 | | |
| Learning Resources | | | | |
| Text Books | 1. Gordon Cook, J, Hand Book of Textile Fibres – Vol. I & Vol. II. Wood Head Publishing Ltd., Cambridge, England, 1984. 2. Moncrieff, W, Man-made Fibres, Butterworth Scientific Publication, 1975. | | | |
| Reference Books | 1. Mishra, S.P. A Text Book of Fibre Science and Technology, New Age International (P) Ltd Publishers, New Delhi (2000). 2. Eric Oxtoby, Butterworth-Heinemann, Spun Yarn Technology, Published in 1987. 3. Wynne, A, The Motivate Series – Textiles, Publisher: Macmillan Education Ltd., London, 1997. | | | |
| Website Link | 1. http://gen.lib.rus.ec/ 2. https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=8x0nJkh/R0vHkX1U70Z/CQ== | | | |
| | L-Lecture | T-Tutorial | P-Practical | C-Credit |



B.Sc-Textile and Fashion Designing Syllabus LOCF-CBCS with effect from 2021-2022 Onwards

| Course Code | Course Title | Course Type | Sem | Hours | L | T | P | C |
|-------------|----------------------|----------------|-----|-------|---|---|---|---|
| 21M1UTFC01 | FIBER & YARN SCIENCE | DSC THEORY - I | I | 5 | 5 | | | 5 |

CO-PO Mapping

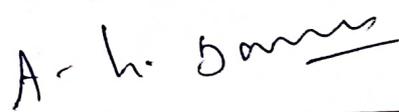
| CO Number | P01 | P02 | P03 | P04 | P05 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
|-----------|-----|-----|-----|-----|-----|------|------|------|------|------|
| CO1 | S | S | M | M | S | S | S | M | S | L |
| CO2 | M | M | S | S | S | S | L | S | M | S |
| CO3 | M | S | S | S | M | S | S | M | M | S |
| CO4 | S | M | S | M | S | M | S | M | S | S |
| CO5 | M | S | M | S | S | S | M | M | S | S |

| | | | |
|--|-------|----------|----------|
| Level of Correlation between CO and PO | L-LOW | M-MEDIUM | S-STRONG |
|--|-------|----------|----------|

Tutorial Schedule

Teaching and Learning Methods
Lecturing, Power Point Projection through LCD, Demonstration, Video Presentation, Live Demonstration.

Assessment Methods
Internal examination, Assignments, Attendance, Seminar, Unit test for CIA
End semester Examination for EA

| | | |
|--|---|---|
| Designed By | Verified By | Approved By |
| Mrs. S. MONISHA  | Dr. K. SAKTHIVEL  |  |



B.Sc., Textile and Fashion Designing Syllabus LOCF-CBCS with effect from 2021-2022 Onwards

| Course Code | Course Title | Course Type | Sem | Hours | L | T | P | C |
|------------------|--|------------------|----------|-------|---|---|---|---|
| 21M1UTFA01 | PATTERN MAKING & GRADING | GEC THEORY - I | I | 4 | 4 | | | 4 |
| Objective | Impart the student's knowledge of body measurements taking techniques, pattern drafting and draping to develop master patterns for bulk production in apparel industries. | | | | | | | |
| Unit | Content Course | Knowledge Levels | Sessions | | | | | |
| I | Body Measurements Importance, Preparation for measuring, Girls and Ladies measurements, Boy's and Men's measurements. Standardizing body measurements, Importance, Techniques used. Relative length and girth measurements. Preparation of standardized measurement chart. | K1 | 8 | | | | | |
| II | Drafting Pattern making terminology, Methods of pattern making, Types of paper patterns, Pattern making tools, Steps in drafting Bodice front, Bodice back, Sleeve, Skirt front and back, Collar- one piece peter pan and shirt collar. Dart Manipulation- Techniques, Slash and Spread method and Pivot method. Study of commercial pattern- Merits & Demerits. Preparation of commercial pattern for kids. Fitting – Standards of a good fit, Steps in preparing a blouse for fitting, checking the fit of a blouse. | K2 | 8 | | | | | |
| III | Draping Draping -Definition and Meaning, Need for draping, Importance of Draping Technique, Advantages and Disadvantages, Tools and Equipment's used for Draping, Preparation of dress form. Importance of grain, preparation of Muslin Material, straightening, tearing and pressing. | K3 | 9 | | | | | |
| IV | Grading and Preparation of Fabric for Cutting Grading-Introduction and importance of grading, Manual Grading of basic bodice – front and back, Sleeve, skirt and Collar, Computerized Grading. Basic terms: Grain, Selvedge, On grain, Off Grain, Off Grain Print, With the Grain, Against the Grain, Importance of Grain in Fabric. Cutting -Preparing the Fabric for Cutting, Methods of straightening fabric ends, Methods of straightening fabric grain, shrinking fabrics. | K4 | 10 | | | | | |
| V | Pattern Alteration and Layout Importance of altering patterns, Principles for pattern alteration, common pattern alteration in blouse. Pattern layout - Definition, Purpose, Rules in layout, Types of layout and Special layouts. Piecing, transferring pattern markings. Marker planning & efficiency. | K4 | 10 | | | | | |

| | | | | |
|---------------------------|--|------------|-------------|-----------|
| Course Outcome | On the successful completion of the course, student will be able to: | | | 45 |
| | CO1: Knowledge on body measurements taking techniques. | | K1 | |
| | CO2: Understand the pattern drafting techniques. | | K2 | |
| | CO3: Apply draping techniques for costume designing. | | K3 | |
| | CO4: Analyze the techniques of grading and fabric preparation for cutting process. | | K4 | |
| | CO5: Analyze about pattern alteration and layout techniques. | | K4 | |
| Learning Resources | | | | |
| Text Books | 1. Mary Mathews, Practical Clothing Construction- Part I and II, - Cosmic Press, Madras,1990 2. Gayatri Verma, Cutting and Tailoring Course. New Delhi: Asian publishers (2006). 3. Connie Amaden Crawford, The Art of Fashion Draping III Edition. OM Books International (2005). | | | |
| Reference Books | 1. Helen Joseph Armstrong, Pattern Making for Fashion Design.5th editions. India: Dorling Kindersley (2014). 2. Lori A. Knowles, The Practical Guide to Pattern Making for Fashion Designers. New York: Fair Child, Publications, Inc (2005). | | | |
| Website Link | 1. http://gen.lib.rus.ec/ 2. https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=8x0nJkh/R0vHkX1U70Z/CQ== | | | |
| | L-Lecture | T-Tutorial | P-Practical | C-Credit |



B.Sc-Textile and Fashion Designing Syllabus LOCF-CBCS with effect from 2021-2022 Onwards

| Course Code | Course Title | Course Type | Sem | Hours | L | T | P | C |
|-------------|--------------------------|----------------|-----|-------|---|---|---|---|
| 21M1UTFA01 | PATTERN MAKING & GRADING | GEC THEORY - I | I | 4 | 4 | | | 4 |

CO-PO Mapping

| CO Number | P01 | P02 | P03 | P04 | P05 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
|-----------|-----|-----|-----|-----|-----|------|------|------|------|------|
| CO1 | M | M | S | S | S | S | M | M | S | S |
| CO2 | S | M | S | L | S | M | M | S | M | S |
| CO3 | M | S | M | S | M | M | S | M | M | L |
| CO4 | M | M | S | M | L | M | S | S | S | S |
| CO5 | S | S | M | M | S | M | S | M | S | S |

| | | | |
|--|-------|----------|----------|
| Level of Correlation between CO and PO | L-LOW | M-MEDIUM | S-STRONG |
|--|-------|----------|----------|

Tutorial Schedule

Teaching and Learning Methods
Lecturing, Power Point Projection through LCD, Demonstration, Video Presentation, Live Demonstration.

Assessment Methods
Internal examination, Assignments, Attendance, Seminar, Unit test for CIA
End semester Examination for EA

| | | |
|------------------------------------|--|--------------------|
| Designed By | Verified By | Approved By |
| Mrs. P. SASIKALA <i>P Sasik</i> | Dr. K. SAKTHIVEL <i>[Signature]</i> | <i>A. h. Sann</i> |

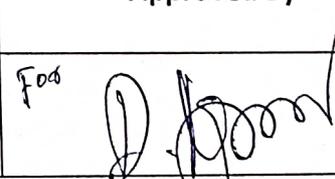


B.Sc Textile and Fashion Designing Syllabus LOCF-CBCS with effect from 2021-2022 Onwards

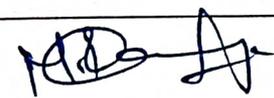
| Course Code | Course Title | Course Type | Sem | Hours | L | T | P | C |
|---------------------------|--|-------------------|----------|-------|---|---|---|---|
| 21M1UTFP01 | PRACTICAL: FIBER & YARN SCIENCE | DSC PRACTICAL - I | I | 5 | | | 5 | 3 |
| Objective | Experiment to identify the various textile fibres, blend ratio of textiles and yarn properties. | | | | | | | |
| S. No. | List of Experiments / Programmes | Knowledge Levels | Sessions | | | | | |
| 1 | I. Identify the following fibres by using Non Technical Tests such as Feeling Test, Burning Test | K1-K5 | 30 | | | | | |
| | Cotton | | | | | | | |
| | Linen | | | | | | | |
| | Jute | | | | | | | |
| | Silk | | | | | | | |
| | Wool | | | | | | | |
| | Polyester | | | | | | | |
| | Viscose Rayon | | | | | | | |
| | Nylon | | | | | | | |
| 2 | II. Identify the following by using appropriate test | K1-K5 | 28 | | | | | |
| | Blend Proportion of P/C Blends | | | | | | | |
| | Blend Proportion of P/V Blends | | | | | | | |
| | Blend Proportion of P/W Blends | | | | | | | |
| | Yarn Count | | | | | | | |
| | Yarn Strength | | | | | | | |
| 3 | Visit ginning & spinning mills. Collect different varieties of fibres and yarns samples with technical specifications and submit a swatches record. | K5 | 2 | | | | | |
| | CO1: Experiment process of non technical tests to textile fibers and evaluate the results. | | | K5-K6 | | | | |
| | CO2: Experiment process of technical tests to textile fibers and evaluate the results. | | | K5-K6 | | | | |
| Course Outcome | CO3: Analyze the blend proportion of textile substrates. | K4 | | | | | | |
| | CO4: Evaluate the yarn properties by using technical experiments. | K5-K6 | | | | | | |
| | CO5: Analyze the textile fiber and yarn properties. | K4 | | | | | | |
| Learning Resources | | | | | | | | |

| | |
|------------------------|--|
| Text Books | 1. Handbook of Textile fibres, Wood head Publications, (1984). |
| Reference Books | 1. Mishra, S.P. A Text Book of Fibre Science and Technology, New Age International (P) Ltd Publishers, New Delhi (2000). |
| Website Link | 1. http://gen.lib.rus.ec/ 2. https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=8x0nJkh/R0vHkX1U70Z/CQ== |

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| Course Code | Course Title | | | | Course Type | Sem | Hours | L | T | P | C |
|--|---------------------------------|-----|-----|---|-------------------|------|----------|---|------|------|---|
| 21M1UTFP01 | PRACTICAL: FIBER & YARN SCIENCE | | | | DSC PRACTICAL - I | I | 5 | | | 5 | 3 |
| CO-PO Mapping | | | | | | | | | | | |
| CO Number | P01 | P02 | P03 | P04 | P05 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 | |
| CO1 | S | S | S | S | S | S | S | M | S | S | |
| CO2 | M | S | L | S | S | S | S | S | S | S | |
| CO3 | S | S | S | M | S | M | S | S | L | S | |
| CO4 | S | M | S | S | S | S | S | M | S | S | |
| CO5 | S | S | S | S | M | S | S | S | S | M | |
| Level of Correlation between CO and PO | L-LOW | | | M-MEDIUM | | | S-STRONG | | | | |
| Tutorial Schedule | | | | Group Discussion, Problem Solving, Quiz, Field Visit. | | | | | | | |
| Teaching and Learning Methods | | | | Virtual laboratory practice, Hands on Training, Demonstration, Video Presentation | | | | | | | |
| Assessment Methods | | | | Record, Samples, Model Practical Examination, Attendance for CIA End Semester Examination for EA | | | | | | | |
| Designed By | | | | Verified By | | | | Approved By | | | |
| Mrs. S. MONISHA | | | | Dr. K. SAKTHIVEL | | | |  | | | |



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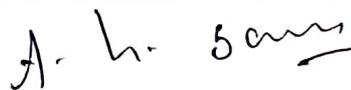


B.Sc., Textile and Fashion Designing Syllabus LOCF-CBCS with effect from 2021-2022 Onwards

| Course Code | Course Title | Course Type | Sem | Hours | L | T | P | C |
|------------------|---|------------------|----------|-------|---|---|---|---|
| 21M2UTFA02 | APPAREL MANUFACTURING MACHINERIES & EQUIPMENT | GEC THEORY - II | II | 4 | 4 | | | 4 |
| Objective | Acquaint student's technical knowledge of apparel machineries and manufacturing processes. | | | | | | | |
| Unit | Course Content | Knowledge Levels | Sessions | | | | | |
| I | Introduction to Garment Industry Process Introduction to garment industry process flowchart. Spreading machine: Types and working Procedures. Cutting machines: Types of cutting machines and its application – Detailed study on band knife, straight knife, drills & notches. | K1 | 8 | | | | | |
| II | Classification of Garment Manufacturing Machines Classification of garment manufacturing machines & applications. Studies on different sewing Machine – Lockstitch machine (chain stitch formation) - Features of advanced lock stitching machines. Over lock machine – Classification - Three thread over-lock machine – Stitch forming elements. Brief study on double needle lock stitch machine, flat lock machines. | K2 | 9 | | | | | |
| III | Sewing Machine Bed & Feeding mechanisms Sewing machine shapes - Sewing machine bed types-Description and application of each bed – Flat bed - Cylinder bed - Post bed – Applications. Feed mechanisms – Types - Drop feed – Compound feed-Unison feed–Drop and variable top feed – Differential bottom and variable top feed (description of each type of feed mechanisms with sketch). | K4 | 9 | | | | | |
| IV | Machine Parts Requirements – Guides – Types (edge & curve guide) - Compensating foot - Specialized presser Foot – Stitching jig- hem folders - Slack feeding and elasticsation – Cutting aids (threads, elastic and tapes) - Stacker. Simple automatics - Button hole – Button sew – Bar tack machine - Label sewers. Types and parts of machine needles – Needle sizes – Details of stand, table and motor for sewing machines. | K4 | 9 | | | | | |
| V | Garment Finishing Process Introduction to various machines for garment finishing – Fusing – Sucking – Ironing - Packing. Pressing-Purpose of pressing –Categories of pressing-The means of pressing-pressing equipment and methods-Iron and steam presses. Packaging-Types of package forms-Types of packaging materials-Quality specification of packaging materials-Merchandising Packaging - Shipment packaging-Selection of package design. | K2 | 10 | | | | | |

| | | | | |
|---------------------------|---|------------|-------------|-----------|
| Course Outcome | On the successful completion of the course, student will be able to: | | | 45 |
| | CO1: Knowledge on garment industry process flow and cutting department works and machineries. | | K1 | |
| | CO2: Understand the classification of sewing machines and its functions. | | K2 | |
| | CO3: Analyze sewing machine bed & feeding mechanisms. | | K4 | |
| | CO4: Analyze the functions of various machine parts. | | K4 | |
| | CO5: Understand the process of garment finishing. | | K2 | |
| Learning Resources | | | | |
| Text Books | <ol style="list-style-type: none"> 1. The Technology of Clothing Manufacture, Harold Carr and Barbara Latham, Publication by Blackwell Science Ltd, England 1994. 2. Introduction to Clothing Manufacture, Gerry Cooklin, Publication by Blackwell Science Ltd, England 1991. 3. Terry Bracken bury, Knitted Clothing Technology, Publication by Blackwell Science Ltd, England, 1992. | | | |
| Reference Books | <ol style="list-style-type: none"> 1. Clothing Construction and Wardrobe Planning, Dora.S.Lewis, Mabel Goode Bowers and 2. Marietta Kettunen, Publication by The Macmillan Company, New York, 1955. | | | |
| Website Link | <ol style="list-style-type: none"> 1. http://gen.lib.rus.ec/ 2. https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=8x0nJkh/R0vHkX1U70Z/CQ== | | | |
| | L-Lecture | T-Tutorial | P-Practical | C-Credit |

B.Sc-Textile and Fashion Designing Syllabus LOCF-CBCS with effect from 2021-2022 Onwards

| Course Code | Course Title | Course Type | Sem | Hours | L | T | P | C | | |
|--|--|-----------------|-----|---|-----|------|----------|------|------|------|
| 21M2UTFA02 | APPAREL MANUFACTURING MACHINERIES & EQUIPMENT | GEC THEORY - II | II | 4 | 4 | | | 4 | | |
| CO-PO Mapping | | | | | | | | | | |
| CO Number | P01 | P02 | P03 | P04 | P05 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
| CO1 | S | M | M | S | S | M | M | S | S | M |
| CO2 | M | M | S | S | S | S | S | M | M | S |
| CO3 | S | M | M | S | S | M | S | L | M | M |
| CO4 | S | M | M | S | L | M | S | M | M | L |
| CO5 | M | M | S | S | M | M | S | M | M | S |
| Level of Correlation between CO and PO | L-LOW | | | M-MEDIUM | | | S-STRONG | | | |
| Tutorial Schedule | Group Discussion, Problem Solving, Quiz, Field Visit. | | | | | | | | | |
| Teaching and Learning Methods | Lecturing, Power Point Projection through LCD, Demonstration, Video Presentation, Live Demonstration. | | | | | | | | | |
| Assessment Methods | Internal examination, Assignments, Attendance, Seminar, Unit test for CIA End semester Examination for EA | | | | | | | | | |
| Designed By | Verified By | | | Approved By | | | | | | |
| Mrs. S. MONISHA | Dr. K. SAKTHIVEL | | |  | | | | | | |





B.Sc., Textile and Fashion Designing Syllabus LOCF-CBCS with effect from 2021-2022 Onwards

| Course Code | Course Title | Course Type | Sem | Hours | L | T | P | C |
|-----------------------|---|--------------------|----------|-------|---|---|---|-----------|
| 21M2UTFP02 | PRACTICAL: BASICS OF APPAREL DESIGNING | DSC PRACTICAL - II | II | 5 | | | 5 | 3 |
| Objective | Acquaint students with the knowledge on basic sewing operation techniques and impart the skills required for garment designing. | | | | | | | |
| S. No. | List of Experiments / Programmes | Knowledge Levels | Sessions | | | | | |
| 1 | Preparation of Samples for Seams and Seam Finishes. | K1-K6 | 6 | | | | | |
| 2 | Preparation of Stitches (Class 100 to Class 600) | K1-K6 | 6 | | | | | |
| 3 | Preparation of Samples for Hems. | K1-K6 | 6 | | | | | |
| 4 | Preparation of Samples for Fullness. (Darts, Tucks, Pleats, Gathers, Flares, Ruffles, Godets and Gathers) | K1-K6 | 6 | | | | | |
| 5 | Preparation of Samples for Facing and binding.(Any 2) | K1-K6 | 6 | | | | | |
| 6 | Preparation of Samples for Plackets and Fasteners.(Any 2) | K1-K6 | 6 | | | | | |
| 7 | Preparation of Samples for different Sleeves.(Any 2) | K1-K6 | 6 | | | | | |
| 8 | Preparation of Samples for different Collars.(Any 2) | K1-K6 | 6 | | | | | |
| 9 | Preparation of Samples for different Yokes.(Any 2) | K1-K6 | 6 | | | | | |
| 10 | Preparation of Samples for different Pockets(Any 2) | K1-K6 | 6 | | | | | |
| Course Outcome | On the successful completion of the course, student will be able to: | | | | | | | 60 |
| | CO1: Remember the basics of pattern making techniques. | K1 | | | | | | |
| | CO2: Analyze the essential techniques for garment designing. | K4 | | | | | | |
| | CO3: Evaluating the material consumption, cost calculation and overall finished samples. | K5 | | | | | | |
| | CO4: Create suitable patterns for garment design and style variations. | K6 | | | | | | |
| | CO5: Create the different samples. | K6 | | | | | | |

| Learning Resources | |
|------------------------|---|
| Text Books | <ol style="list-style-type: none">1. Gayatri Verma and Kapil Dev, Cutting and Tailoring Course. New Delhi: Asian Publishers (2006).2. K R Zarapker, Zarapker System of Cutting. New Delhi: Navneet Publications Ltd (2005). |
| Reference Books | <ol style="list-style-type: none">1. Thangam Subramaniam, Dress Making- Bombay Tailoring and Embroidery College (2006).2. Ruth Sleigh Johnson, Practical sewing techniques. London :A&C Black publishers (2011). |
| Website Link | <ol style="list-style-type: none">1. http://gen.lib.rus.ec/2. https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=8x0nJkh/R0vHkX1U70Z/CQ== |

B.Sc-Textile and Fashion Designing Syllabus LOCF-CBCS with effect from 2021-2022 Onwards

| Course Code | Course Title | Course Type | Sem | Hours | L | T | P | C |
|-------------|--|--------------------|-----|-------|---|---|---|---|
| 21M2UTFP02 | PRACTICAL: BASICS OF APPAREL DESIGNING | DSC PRACTICAL - II | II | 5 | | | 5 | 3 |

CO-PO Mapping

| CO Number | P01 | P02 | P03 | P04 | P05 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
|-----------|-----|-----|-----|-----|-----|------|------|------|------|------|
| CO1 | M | M | S | S | S | S | L | S | S | S |
| CO2 | S | S | M | S | S | M | S | S | S | M |
| CO3 | M | S | S | S | S | S | S | S | M | S |
| CO4 | S | S | S | M | S | S | M | M | S | S |
| CO5 | M | S | S | M | M | S | S | M | S | L |

| | | | | | | | | | |
|--|-------|--|--|----------|--|--|----------|--|--|
| Level of Correlation between CO and PO | L-LOW | | | M-MEDIUM | | | S-STRONG | | |
|--|-------|--|--|----------|--|--|----------|--|--|

Tutorial Schedule Group Discussion, Problem Solving, Quiz, Field Visit.

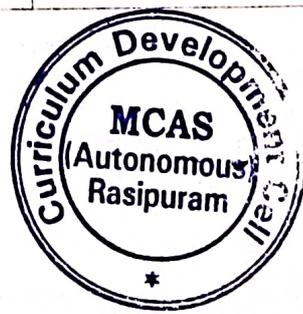
Teaching and Learning Methods Virtual laboratory practice, Hands on Training, Demonstration, Video Presentation

Assessment Methods Record, Samples, Model Practical Examination, Attendance for CIA
End Semester Examination for EA

| | | |
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| Designed By | Verified By | Approved By |
| Mrs. T. SUMATHI | Dr. K. SAKTHIVEL | <i>A. h. Sams</i> |

For P. Sathish

[Signature]



B.Sc Textile and Fashion Designing Syllabus LOCF-CBCS with effect from 2021-2022 Onwards

| Course Code | Course Title | Course Type | Sem | Hours | L | T | P | C |
|---------------------------|--|---------------------|----------|-------|---|---|---|---|
| 21M2UTFP03 | PRACTICAL: BASIC ILLUSTRATION & SKETCHING | DSC PRACTICAL - III | II | 5 | | | 5 | 3 |
| Objective | Learn basic head theories and draw human figures at different angles and illustrate garment design for various seasons on fashion figures with the basic objects drawing and shades. | | | | | | | |
| S. No. | List of Experiments / Programmes | Knowledge Levels | Sessions | | | | | |
| 1 | Lay Figure -7 1/2 Head theory - Block Figure, Stick Figure with Flash Figure. | K1-K6 | 5 | | | | | |
| 2 | Fashion Figure - 8, 10, 12 Head Theory (Three Methods). | K1-K6 | 5 | | | | | |
| 3 | Enlarging & Reducing Techniques - Facial Features – Eyes, Nose , Lips, Ears | K1-K6 | 5 | | | | | |
| 4 | Face, Hands, Legs – Different Positions | K1-K6 | 5 | | | | | |
| 5 | Hair Styles (Any 3 for Male & Female) | K1-K6 | 5 | | | | | |
| 6 | Different types of Collar, Sleeve, Neckline, Skirts. | K1-K6 | 5 | | | | | |
| 7 | Season Wear - Ladies Tops, Shirt, Pant(Full and half) | K1-K6 | 6 | | | | | |
| 8 | Fashion Accessories – Bags, Footwear, Hats etc. | K1-K6 | 6 | | | | | |
| 9 | Fashion Ornaments | K1-K6 | 6 | | | | | |
| 10 | Poses (Straight, Sitting, Side, ¼ Right Side, ¼ Left Side, S & T Poses) | K1-K6 | 6 | | | | | |
| 11 | Portrait Drawing (Various Shading – Hatching, cross hatching, contour, scribble, Stripling, Circular) | K1-K6 | 6 | | | | | |
| Course Outcome | CO1: Apply head theories. | K3 | 60 | | | | | |
| | CO2: Apply the basic illustration techniques for garment components. | K3 | | | | | | |
| | CO3: Create fashion accessories and fashion ornaments. | K6 | | | | | | |
| | CO4: Create portrait drawing. | K6 | | | | | | |
| | CO5: Create the enlarging and reducing techniques of facial features. | K6 | | | | | | |
| Learning Resources | | | | | | | | |

| | |
|------------------------|---|
| Text Books | <ol style="list-style-type: none"> 1. Patric John Ireland, Fashion Design Illustration –Women, B.T.Batsfort Ltd, London (1993). 2. Patric John Ireland, Fashion Design Drawing and Presentation, B.T.Batsfort Ltd, London (1982). 3. Patric John Ireland, Fashion Design Illustration –Men, B.T.Batsfort Ltd, London (1996). |
| Reference Books | <ol style="list-style-type: none"> 1. Wolfgang.H.Hageney, Checks And Stripes –Classic Variations in Colour Vol.I, Belveden (1997). 2. Xiuming Chai, Haoyang Lu, “Fashion Illustration” Design Media Publishing Ltd, 2011. |
| Website Link | <ol style="list-style-type: none"> 1. http://gen.lib.rus.ec/ 2. https://eggp.inflibnet.ac.in/Home/ViewSubject?catid=8x0nJkh/R0vHkX1U70Z/CQ== |

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| Course Code | Course Title | Course Type | Sem | Hours | L | T | P | C |
|-------------|---|---------------------|-----|-------|---|---|---|---|
| 21M2UTFP03 | PRACTICAL: BASIC ILLUSTRATION & SKETCHING | DSC PRACTICAL - III | II | 5 | | | 5 | 3 |

CO-PO Mapping

| CO Number | P01 | P02 | P03 | P04 | P05 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
|-----------|-----|-----|-----|-----|-----|------|------|------|------|------|
| CO1 | S | S | S | S | M | M | S | S | M | S |
| CO2 | M | S | S | S | M | S | S | S | S | S |
| CO3 | S | S | M | S | S | M | L | S | S | S |
| CO4 | S | M | L | S | S | S | M | S | M | S |
| CO5 | S | S | M | S | S | S | S | M | S | S |

Level of Correlation between CO and PO

L-LOW

M-MEDIUM

S-STRONG

| | |
|--------------------------------------|---|
| Tutorial Schedule | Group Discussion, Problem Solving, Quiz, Field Visit. |
| Teaching and Learning Methods | Virtual laboratory practice, Hands on Training, Demonstration, Video Presentation |
| Assessment Methods | Record, Samples, Model Practical Examination, Attendance for CIA End Semester Examination for EA |

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| Designed By | Verified By | Approved By |
| Ms. S. GUNAVATHI | Dr. K. SAKTHIVEL | <i>A. h. Sam</i> |

S. Gunavathi

Dr. K. Sakthivel

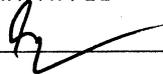
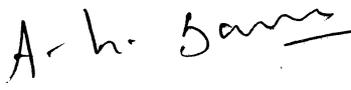


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| Course Code | Course Title | Course Type | Sem | Hours | L | T | P | C |
|------------------|---|------------------|----------|-------|---|---|---|---|
| 21M3UTFC02 | FABRIC SCIENCE | DSC THEORY - II | III | 5 | 5 | | | 5 |
| Objective | Impart technical knowledge on woven and knitted fabric manufacturing techniques and process skills of students. | | | | | | | |
| Unit | Content Course | Knowledge Levels | Sessions | | | | | |
| I | <p>Weaving Preparatory Process</p> <p>Classification of fabric forming methods – Weaving preparatory processes flowchart - Pirn winding – Objectives - Passage of material through an automatic high speed pirn winder and working principles. Objectives of warping – Types of warping – Passage of material through high-speed modern beam warping machine & sectional warping machine – Warping defects, Causes & remedies.</p> | K1-K2 | 12 | | | | | |
| II | <p>Sizing & Basic Mechanisms of Looms</p> <p>Objectives of sizing – comparison of two cylinder, multi cylinder & hot air sizing machines – Sizing ingredients & their functions – Size paste preparation – Sizing defects, causes & remedies. Passage of material through a plain power loom – Basic mechanism of a loom – Primary, secondary & auxiliary motions</p> | K1-K2 | 12 | | | | | |
| III | <p>Weave Structures</p> <p>Fundamentals of woven design – Plain weave and its derivatives – Twill weave and its derivatives – Satin & sateen weaves – Ordinary and Brighten Honey Comb, Huck-a-Back, Mock Leno, Extra warp and Extra weft figuring – Single and Double colour – Fabric defects, causes & remedies.</p> | K3 | 12 | | | | | |
| IV | <p>Dobby & Jacquard Shedding Mechanisms and Shuttle less Loom</p> <p>Objectives of doobby & jacquard mechanisms – Types of doobby & jacquard – Study of negative & positive doobby – Study of single cylinder & double cylinder jacquard mechanisms. Shuttle less looms: Introduction - Advantages - Types of shuttle less looms: projectile, rapier, air jet, water jet and multi phase weaving.</p> | K4 | 12 | | | | | |
| V | <p>Knitting</p> <p>Knitting – Introduction. Types of Knitting -Weft knitting machines, principles. Knitting machine elements, terminologies, knitting cycle of circular & flat knitting machines. Types of warp and weft knitted fabrics – Single Jersey – plain, Pique, Double Jersey- Rib, interlock, jacquard. Knitted fabric defects, causes & remedies.</p> | K1-K3 | 12 | | | | | |

| | | | | |
|---------------------------|---|------------|-------------|-----------|
| Course Outcome | On the successful completion of the course, student will be able to: | | | 60 |
| | CO1: Knowledge on fabric forming methods and understand the techniques of weaving preparatory process. | | K1 | |
| | CO2: Understand about sizing process and weaving mechanisms. | | K2 | |
| | CO3: Apply the various weave structures. | | K3 | |
| | CO4: Analyze the mechanisms of dobby and jacquard. | | K4 | |
| | CO5: Analyze and apply the process of knitting techniques. | | K4 | |
| Learning Resources | | | | |
| Text Books | <ol style="list-style-type: none"> 1. N. Gokarneshan, Fabric Structure and Design, New Age International Publishers, New Delhi(2004). 2. Mukesh Kumar Singh, Industrial practices in weaving preparatory, Wood head Publishing India Pvt Ltd (2014). 3. Sharon Alderman, Mastering Weave Structures, Interweave Press 2009. 4. Sabit Adanur, Handbook of Weaving, Housekeeping & Leisure – Handicraft 2000. | | | |
| Reference Books | <ol style="list-style-type: none"> 1. David J, Spencer Knitting Technology (Wood head Publishing Series in Textiles) 2001. 2. B. K. Behera, P. K. Hari, Woven Textile Structure: Theory and Applications (Wood head Publishing Series in Textiles) 2010. | | | |
| Website Link | <ol style="list-style-type: none"> 1. http://gen.lib.rus.ec/ 2. https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=8x0nJkh/R0vHkX1U70Z/CQ== | | | |
| | L-Lecture | T-Tutorial | P-Practical | C-Credit |

B.Sc-Textile and Fashion Designing Syllabus LOCF-CBCS with effect from 2021-2022 Onwards

| Course Code | Course Title | Course Type | Sem | Hours | L | T | P | C | | |
|---|----------------|-----------------|--|----------|-----|--|----------|------|------|------|
| 21M3UTC02 | FABRIC SCIENCE | DSC THEORY - II | III | 5 | 5 | | | 5 | | |
| CO-PO Mapping | | | | | | | | | | |
| CO Number | P01 | P02 | P03 | P04 | P05 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
| CO1 | S | S | M | M | M | S | S | S | S | L |
| CO2 | S | L | M | S | M | S | M | M | S | S |
| CO3 | M | M | S | S | M | M | S | S | M | M |
| CO4 | S | M | S | M | S | M | S | S | S | M |
| CO5 | L | M | S | S | M | S | S | M | S | S |
| Level of Correlation between CO and PO | L-LOW | | | M-MEDIUM | | | S-STRONG | | | |
| Tutorial Schedule | | | | | | | | | | |
| Teaching and Learning Methods | | | Lecturing, Power Point Projection through LCD, Demonstration, Video Presentation, Live Demonstration. | | | | | | | |
| Assessment Methods | | | Internal examination, Assignments, Attendance, Seminar, Unit test for CIA End semester Examination for EA | | | | | | | |
| Designed By | | | Verified By | | | Approved By | | | | |
| Dr. K. SAKTHIVEL  | | | Dr. K. SAKTHIVEL  | | | A. h. Sannu  | | | | |



| B.Sc., Textile and Fashion Designing Syllabus LOCF-CBCS with effect from 2021-2022 Onwards | | | | | | | | |
|--|--|------------------|-----|-------|------------------|----------|---|---|
| Course Code | Course Title | Course Type | Sem | Hours | L | T | P | C |
| 21M3UTFC03 | TEXTILE WET PROCESSING | DSC THEORY - III | III | 5 | 5 | | | 5 |
| Objective | Educate the knowledge about textile auxiliaries, dyes, pigments and fiber chemistry for coloring and printing of textile substrates. | | | | | | | |
| Unit | Content Course | | | | Knowledge Levels | Sessions | | |
| I | Textile Auxiliaries Water: water hardness – types - softening process: Ion exchange - sequestering agent methods - terminology & terms related to textile industries (ph, acid, base, oxidation, reduction) – role of textile auxiliaries. | | | | K1 | 12 | | |
| II | Preparatory Process Preparatory process: singeing – objectives – types of singeing, Desizing – objectives –methods, and scouring – objectives –methods. Bleaching – objectives - types of bleaching agents – advantages of peroxide bleaching – optical whiteners. Mercerizing –objectives - types. | | | | K2 | 12 | | |
| III | Dyeing Dyeing: classification of dyes – principles of different dyeing - direct, reactive, vat, & disperse dyes – principles of dyeing of synthetic & blended textile materials - after treatments – types & principles of different dyeing machines : winch – soft flow – cabinet - cheese and HTHP machines – merits & demerits. | | | | K3 | 12 | | |
| IV | Printing Printing - methods of printing – screen preparation. Styles of printing – direct, resist, discharge, transfer. Print paste ingredients –after treatments. Pigment printing. Garment printing: flock, Hi Density, Foil, Plastisol, foam, khadi – burnout printing. Digital printing. | | | | K3-K4 | 12 | | |
| V | Effluent Treatments Pollution- types- land, water, air, noise- causes and remedies related to textile industry. Effluent Treatment – Pollution created by the processing unit, Process sequence in Effluent treatment Plant. | | | | K4 | 12 | | |

| | | | | |
|---------------------------|---|------------|-------------|----------|
| Course Outcome | On the successful completion of the course, student will be able to: | | | 60 |
| | CO1: Knowledge on chemistry of textile auxiliaries and the types of water. | | K1 | |
| | CO2: Understand about preparatory process flow of textile substrates. | | K2 | |
| | CO3: Apply and analyze the various dyeing process. | | K3-K4 | |
| | CO4: Apply and analyze the various printing process. | | K3-K4 | |
| | CO5: Analyze the process of effluent treatments. | | K4 | |
| Learning Resources | | | | |
| Text Books | <ol style="list-style-type: none"> 1. Textile Chemistry, Paters R.H, Elsevier Publishing, 1967. 2. Technology of Textile Processing, Shenai V.A., Sevak publications, Bombay, 1981. 3. Matthew Clark, Handbook of Textile and Industrial Dyeing: Volume 1: Principles, Processes and Types of Dyes (Woodhead Publishing Series in Textiles) 2011. 4. J.L. Smith, Textile processing, Technique - Light Industry 2009. | | | |
| Reference Books | <ol style="list-style-type: none"> 1. Chemical Processing of Synthetic Fibres and Blends, John Wiley & Sons, New York. Datye K.V and Vaidhay A.A.,1982. 2. Processing of Manmade Fibres, MIR Publishers, Moscow.- Usenko V, 1975. | | | |
| Website Link | <ol style="list-style-type: none"> 1. http://gen.lib.rus.ec/ 2. https://eggp.inflibnet.ac.in/Home/ViewSubject?catid=8x0nJkh/R0vHkX1U70Z/CQ== | | | |
| | L-Lecture | T-Tutorial | P-Practical | C-Credit |

B.Sc-Textile and Fashion Designing Syllabus LOCF-CBCS with effect from 2021-2022 Onwards

| Course Code | Course Title | Course Type | Sem | Hours | L | T | P | C | | |
|--|------------------------|------------------|--|----------|-----|--------------------|----------|------|------|------|
| 21M3UTFC03 | TEXTILE WET PROCESSING | DSC THEORY - III | III | 5 | 5 | | | 5 | | |
| CO-PO Mapping | | | | | | | | | | |
| CO Number | P01 | P02 | P03 | P04 | P05 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
| CO1 | M | S | M | S | S | S | L | M | S | M |
| CO2 | S | M | L | S | S | S | M | S | S | S |
| CO3 | S | M | S | M | M | L | S | M | M | S |
| CO4 | M | M | S | S | S | M | M | S | M | M |
| CO5 | M | S | M | S | M | M | S | M | L | M |
| Level of Correlation between CO and PO | L-LOW | | | M-MEDIUM | | | S-STRONG | | | |
| Tutorial Schedule | | | | | | | | | | |
| Teaching and Learning Methods | | | Lecturing, Power Point Projection through LCD, Demonstration, Video Presentation, Live Demonstration. | | | | | | | |
| Assessment Methods | | | Internal examination, Assignments, Attendance, Seminar, Unit test for CIA End semester Examination for EA | | | | | | | |
| Designed By | | | Verified By | | | Approved By | | | | |
| Mrs. P.SASIKALA <i>P.Sasikala</i> | | | Dr. K. SAKTHIVEL <i>Dr. K. Sakthivel</i> | | | <i>A. h. Sannu</i> | | | | |



| B.Sc Textile and Fashion Designing Syllabus LOCF-CBCS with effect from 2021-2022 Onwards | | | | | | | | |
|--|---|--------------------|-----|------------------|----------|---|---|---|
| Course Code | Course Title | Course Type | Sem | Hours | L | T | P | C |
| 21M3UTFP04 | PRACTICAL:TEXTILE DESIGNING | DSC PRACTICAL - IV | III | 4 | | | 4 | 2 |
| Objective | To provide creative knowledge to design basic weave structures, motifs, borders, Pallu and body designs and develop the students as manual and CAD textile designers. | | | | | | | |
| S. No. | List of Experiments / Programmes | | | Knowledge Levels | Sessions | | | |
| Create weave patterns by using manual method for the following basic weaves and analyze woven structures with Design, Draft, Peg-plan and denting plan. Calculate EPI, PPI, Cloth Cover Factor, GSM, GSY, Yarn Count and weaving calculations. | | | | | | | | |
| PART- A | | | | | | | | |
| 1 | Plain weave and its derivatives- Warp, Weft & Matt Rib | | | K1-K6 | 4 | | | |
| 2 | Twill weaves and its derivatives- Warp Faced, Weft Faced, Pointed, Balanced & Unbalanced, Transposed, Herring Bone, Satin & Sateen | | | K1-K6 | 4 | | | |
| 3 | Honey Comb-Ordinary, Brighten | | | K1-K6 | 4 | | | |
| 4 | Huck –a –back | | | K1-K6 | 4 | | | |
| 5 | Crepe weaves | | | K1-K6 | 4 | | | |
| PART- B | | | | | | | | |
| Create weave patterns by using CAD Software for the following weaves. | | | | | | | | |
| 1 | Stripes Designs-Pin, Bengal, Bar & Barcode Stripe | | | K1-K6 | 5 | | | |
| 2 | Checks Designs-Checker Board, Madras & Tartan Checks | | | K1-K6 | 5 | | | |
| 3 | Small Motifs for Dobby Design | | | K1-K6 | 7 | | | |
| 4 | Jacquard Design-Sarees Border, Pallu and Bodice | | | K1-K6 | 8 | | | |
| Course Outcome | CO1: Calibrate design, draft and peg-plan for basic woven fabrics. | | | K1 | 45 | | | |
| | CO2: Understand the designs for decorative woven fabrics. | | | K2 | | | | |
| | CO3: Apply the woven fabric design techniques. | | | K3 | | | | |
| | CO4: Analyze the manual and CAD designing techniques. | | | K4 | | | | |
| | CO5: Create manual and CAD textile designer. | | | K6 | | | | |

Learning Resources

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|------------------------|--|
| Text Books | <ol style="list-style-type: none">1. Principles of weaving, R. Marks, A.T.C. Robinson, Publication by the textile institute Manchester (1976).2. Fabric forming, B. Hasmukhroi, Publication by SSM ITT Cooperative stores Ltd, Komarapalayam (1996).3. Weaving mechanism Vol 1 & Vol 2, Prof. N.N. Banerjee, Published by Srimati. Tandra Banerjee, West Bengal (1999).4. Sharon Alderman, Mastering Weave Structures, Interweave Press 2009. |
| Reference Books | <ol style="list-style-type: none">1. Handbook of Weaving, Sabit Adanur, Technomic publishing Company, Inc, USA (2001)2. N. Gokarneshan, Fabric Structure and Design, New Age International Publishers, New Delhi (2004). |
| Website Link | <ol style="list-style-type: none">1. http://gen.lib.rus.ec/2. https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=8x0nJkh/R0vHkX1U70Z/CQ== |

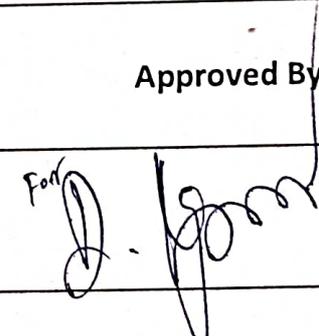
B.Sc Textile and Fashion Designing Syllabus LOCF-CBCS with effect from 2021-2022 Onwards

| Course Code | Course Title | Course Type | Sem | Hours | L | T | P | C |
|-----------------------|--|-------------------|----------|-------|---|---|---|---|
| 21M3UTFP05 | PRACTICAL -TEXTILE WET PROCESSING | DSC PRACTICAL - V | III | 3 | | | 3 | 2 |
| Objective | Experiment the process recipe and process flow for textile dyeing and printing. | | | | | | | |
| S. No. | List of Experiments / Programmes | Knowledge Levels | Sessions | | | | | |
| 1 | Combined Scouring & Bleaching of grey cotton woven fabrics and estimate the loss percentage. | K1-K4 | 3 | | | | | |
| 2 | Dye the given cotton sample with natural dyes (Any 3). | K1-K4 | 3 | | | | | |
| 3 | Dye the given cotton sample with cold brand reactive dyes. | K1-K4 | 2 | | | | | |
| 4 | Dye the given cotton sample with hot brand reactive dyes. | K1-K4 | 3 | | | | | |
| 5 | Dye the given cotton sample with vinyl sulphone dyes. | K1-K4 | 2 | | | | | |
| 6 | Dye the given silk material with acid / basic dyes. | K1-K4 | 2 | | | | | |
| 7 | Dye the given wool material with acid / basic dyes. | K1-K4 | 3 | | | | | |
| 8 | Dyes the given polyester sample by using disperse dyes. | K1-K4 | 3 | | | | | |
| 9 | Dye the given fabric for the given pattern using Tie & Dye Technique. | K1-K4 | 3 | | | | | |
| 10 | Develop a batik motif and print on the given sample. | K1-K4 | 2 | | | | | |
| 11 | Prepare the print paste with pigment colour and print on the given fabric. | K1-K4 | 2 | | | | | |
| 12 | Prepare the Print Paste with reactive dyes and print on the given fabric by discharge style. | K1-K4 | 2 | | | | | |
| Course Outcome | CO1: Prepare the samples by pre-treatment process and calculate weight loss percentage. | K1 | 30 | | | | | |
| | CO2: Analyze the recipe for the fabric sample dyeing. | K4 | | | | | | |
| | CO3: Analyze the recipe for the fabric sample printing. | K4 | | | | | | |
| | CO4: Evaluate the sample by formulated recipe and calibrate shade percentage | K5 | | | | | | |
| | CO5: Analyze the textile chemicals and auxiliaries. | K4 | | | | | | |

Learning Resources

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|------------------------|---|
| Text Books | <ol style="list-style-type: none">1. AATCC Garment wet processing technical manual (1994)2. Textile processing and properties, Preparation, Dying, Finishing & Performance, Tyrone L. Vigo, elsewhere publishing, Netherland3. Textile Wet processing, Manoj Dole, Manoj Dole Publications Co. India (2018) |
| Reference Books | <ol style="list-style-type: none">1. Textile Processing and Properties Preparation, Dyeing, Finishing and Performance, Tyrone L. Vigo 1994 |
| Website Link | <ol style="list-style-type: none">1. http://gen.lib.rus.ec/2. https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=8x0nJkh/R0vHkX1U70Z/CQ== |

B.Sc-Textile and Fashion Designing Syllabus LOCF-CBCS with effect from 2021-2022 Onwards

| Course Code | Course Title | | | | Course Type | Sem | Hours | L | T | P | C |
|--|-----------------------------------|-------|-----|--------------------|---|------|-------|---|------|------|---|
| 21M3UTFP05 | PRACTICAL -TEXTILE WET PROCESSING | | | | DSC PRACTICAL - V | III | 3 | | | 3 | 2 |
| CO-PO Mapping | | | | | | | | | | | |
| CO Number | P01 | P02 | P03 | P04 | P05 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 | |
| CO1 | M | M | S | S | S | S | L | S | S | S | |
| CO2 | S | S | M | S | S | M | S | S | S | M | |
| CO3 | M | S | S | S | S | S | S | S | M | S | |
| CO4 | S | S | S | M | S | S | M | M | S | S | |
| CO5 | M | S | S | M | M | S | S | M | S | L | |
| Level of Correlation between CO and PO | | L-LOW | | | M-MEDIUM | | | S-STRONG | | | |
| Tutorial Schedule | | | | | Group Discussion, Problem Solving, Quiz, Field Visit. | | | | | | |
| Teaching and Learning Methods | | | | | Virtual laboratory practice, Hands on Training, Demonstration, Video Presentation | | | | | | |
| Assessment Methods | | | | | Record, Samples, Model Practical Examination, Attendance for CIA End Semester Examination for EA | | | | | | |
| Designed By | | | | Verified By | | | | Approved By | | | |
| Mrs. P. SASIKALA | | | | Dr. K. SAKTHIVEL | | | |  | | | |

Prasth

[Signature]



B.Sc Textile and Fashion Designing Syllabus LOCF-CBCS with effect from 2021-2022 Onwards

| Course Code | Course Title | Course Type | Sem | Hours | L | T | P | C |
|---------------------------|---|--------------------|----------|-------|---|---|---|---|
| 21M3UTFP06 | PRACTICAL: CHILDREN'S APPAREL | DSC PRACTICAL - VI | III | 3 | | | 3 | 2 |
| Objective | Educate the student's skills on Designing, drafting and constructing children's garments and make a creative exposure of layouts, marker efficiency and fashionable garments. | | | | | | | |
| S. No. | List of Experiments / Programmes | Knowledge Levels | Sessions | | | | | |
| | Designing, drafting and construct the following garments for the features of prescribed criteria. | | | | | | | |
| | Garment Costing & CMT, Measurements Chart, Layout Method, Break Down Analysis, Sequence of assembling and its procedure, Type of seams & machines for each assembly processes. | | | | | | | |
| 1 | Bib- Variation in outline shape | K1-K6 | 3 | | | | | |
| 2 | Panty- Plain or Plastic lined panty | K1-K6 | 3 | | | | | |
| 3 | Jabla- Without sleeve, Front open (or) Magyar sleeve, Back opens | K1-K6 | 3 | | | | | |
| 4 | Baba Suit | K1-K6 | 3 | | | | | |
| 5 | A - Line Frock- Double pointed dart, neck line and armhole finished with facing | K1-K6 | 3 | | | | | |
| 6 | Summer frock- With suspenders at shoulder line, without sleeve / collars (or) Angel top with raglan sleeve, fullness at neck line | K1-K6 | 3 | | | | | |
| 7 | Yoke frock- Yoke at chest line, with open, puff sleeve, gathered skirt (or) frock- with collar, without sleeve, gathered/ circular skirt at waist line (or) Princess Line frock | K1-K6 | 3 | | | | | |
| 8 | Knickers - Elastic waist, Side pockets and with chest piece attached (or) Romper | K1-K6 | 3 | | | | | |
| 9 | Shirt- Open collar, with pocket | K1-K6 | 3 | | | | | |
| 10 | Kurta with Panchagajam dhoti. | K1-K6 | 3 | | | | | |
| Course Outcome | CO1: Recognize the design and generalize the measurements for the various kids' garments. | K1 | 30 | | | | | |
| | CO2: Understand the pattern preparation and calculate material requirement for the designed kid's wear. | K2 | | | | | | |
| | CO3: Apply Layout for fabric cutting. | K3 | | | | | | |
| | CO4: Analyze the garment component assembling process. | K4 | | | | | | |
| | CO5: Create varieties of fashionable children's wear. | K6 | | | | | | |
| Learning Resources | | | | | | | | |

| | |
|------------------------|---|
| Text Books | <ol style="list-style-type: none">1. Practical Clothing Constructing-Part I and II, Mary Mathews, Cosmic Press, Chennai (1986)2. Zarapker System of Cutting- Zarapker. K. R, Navneet Publications Ltd.3. Cutting & Tailoring course, Gayathri Verma & Kapil Dev, Computech Publications |
| Reference Books | <ol style="list-style-type: none">1. Cabbage Patch Kids Designer Clothes (Sewing), Xavier Roberts 1984 |
| Website Link | <ol style="list-style-type: none">1. http://gen.lib.rus.ec/2. https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=8x0nJkh/R0vHkX1U70Z/CQ== |

B.Sc-Textile and Fashion Designing Syllabus LOCF-CBCS with effect from 2021-2022 Onwards

| Course Code | Course Title | Course Type | Sem | Hours | L | T | P | C |
|-------------|-------------------------------|--------------------|-----|-------|---|---|---|---|
| 21M3UTFP06 | PRACTICAL: CHILDREN'S APPAREL | DSC PRACTICAL - VI | III | 3 | | | 3 | 2 |

CO-PO Mapping

| CO Number | P01 | P02 | P03 | P04 | P05 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
|-----------|-----|-----|-----|-----|-----|------|------|------|------|------|
| CO1 | S | S | S | S | M | M | S | S | M | S |
| CO2 | M | S | S | S | M | S | S | S | S | S |
| CO3 | S | S | M | S | S | M | L | S | S | S |
| CO4 | S | M | L | S | S | S | M | S | M | S |
| CO5 | S | S | M | S | S | S | S | M | S | S |

| | | | |
|--|-------|----------|----------|
| Level of Correlation between CO and PO | L-LOW | M-MEDIUM | S-STRONG |
|--|-------|----------|----------|

| | |
|--------------------------|---|
| Tutorial Schedule | Group Discussion, Problem Solving, Quiz, Field Visit. |
|--------------------------|---|

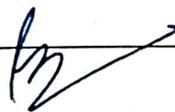
| | |
|--------------------------------------|---|
| Teaching and Learning Methods | Virtual laboratory practice, Hands on Training, Demonstration, Video Presentation |
|--------------------------------------|---|

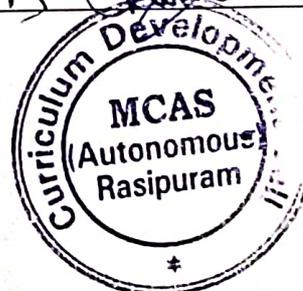
| | |
|---------------------------|---|
| Assessment Methods | Record, Samples, Model Practical Examination, Attendance for CIA End Semester Examination for EA |
|---------------------------|---|

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| Designed By | Verified By | Approved By |
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| Ms. M. RAMYA | Dr. K. SAKTHIVEL |  |
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B.Sc., Textile and Fashion Designing Syllabus LOCF-CBCS with effect from 2021-2022 Onwards

| Course Code | Course Title | Course Type | Sem | Hours | L | T | P | C |
|------------------|--|-----------------|-----|-------|------------------|---|----------|---|
| 21M4UTFC04 | APPAREL QUALITY & STANDARDS | DSC THEORY - IV | IV | 4 | 4 | | | 4 |
| Objective | Acquaint the standards of apparel quality to the students for quality appraisal of textile products. | | | | | | | |
| Unit | Course Content | | | | Knowledge Levels | | Sessions | |
| I | Quality Quality - Definitions - Quality and grade a Comparison - Quality terminologies – Factors influencing quality - Benefits of quality - Sources of International Standards -Benefits. | | | | K1 | | 7 | |
| II | Inspection: Inspection -Types - Raw material inspection - Benefits -Fabric inspection - 4 point system - 10 point system - Graniteville "78" system. In process inspection: Advantages - on line inspection during spreading, pattern making, cutting, sewing, fusing, printing, embroidery. Pressing / finishing. Final Inspection: Introduction to Sampling, Sampling Plans and AQL Charts - Final Inspection - Level of Final Inspection - MIL 105 Standards - Packing & Packaging Quality Tests - Case study on final inspection. | | | | K2 | | 8 | |
| III | Colour Fastness & Testing of Garments: Color Fastness: Introduction to Color Fastness - Importance - Agencies of Color Fastness: Washing, Rubbing, Perspiration, Light - Grey Scales and Ratings - Standard Testing Procedures - Reasons For Poor Color Fastness. Brief study about computer colour matching. Testing of Garments: Tests related to garment appearance and performance such as measurement of seam pucker, seams slippage and seam strength. Testing of Garment Accessories: Testing of Zippers, Buttons, and Sewing Threads. | | | | K4 | | 8 | |
| IV | Quality Systems & Tools Quality – Evolution of Quality management – Quality Function and Quality Planning – Basic concepts of Total Quality Management (TQM) – Principles of TQM – Important Phases of TQM – Quality Trilogy – Four pillars of TQM – PDCA | | | | K3-K4 | | 11 | |

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|---------------------------|--|------------|-------------|----------|
| | cycle & PDSA cycle – Kaizan concept – 5“S Philosophy – Quality Circles Statistical Quality Control (SQC) : Definition – SQC techniques – Frequency distributions: Discrete and Continuous – Measures of Central tendency: Mean, Median & Mode – Measures of dispersion: Range, Mean Range, Mean Deviation, Percentage Mean Deviation, Standard Deviation, Coefficient of Variation – Normal distribution – Binomial distribution – Poisson distribution | | | |
| V | <p>ISO 9000 & EMS Standards:</p> <p>ISO 9000 Standards: Meaning & Definition – ISO 9000 family of standards – Elements of ISO –Benefits– Study on ISO 9001:2008 Guidelines and Standard Clauses – Implementation Procedures and requirements for ISO 9001:2008 system – Quality Manual and its contents – Accreditation and Certification agencies – Quality audit – Types of quality audit – Audit procedure – Requirements and Characteristic of a Quality auditor.</p> <p>Environmental Management System (EMS) – Meaning & Definition – Elements of EMS – Benefits of EMS – Environmental Policies – Implementation of ISO 14000 – Study on other management systems: SA8000, OHSAS 18000, WRAP.</p> | K4 | 11 | |
| Course Outcome | On the successful completion of the course, student will be able to: | | 45 | |
| | CO1: Knowledge on terminologies of quality | K1 | | |
| | CO2: Understand the concepts of inspection | K2 | | |
| | CO3: Analysis of colour fastness and testing of garments. | K4 | | |
| | CO4: Apply and analyze the quality systems and tools in apparel industry. | K3-K4 | | |
| | CO5: Analyze ISO 9000 and EMS Standards. | K4 | | |
| Learning Resources | | | | |
| Text Books | 1. Managing Quality in Apparel Industries, Pradeep V Metha & Satish K. Bhardwaj, NIFT, 1998 2. J.M. Juran, “Quality Control Handbook” 3. Handbook of Total Quality Management - Armstrong , Jaico Publications, New delhi 4. Hand Book Of Textile Testing & Quality Control – Elliot B. Grover & D.S. Hamby | | | |
| Reference Books | 1. Quality Characterization of Apparel Subrata Das 2010 | | | |
| Website Link | 1. http://gen.lib.rus.ec/ 2. https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=8x0nJkh/R0vHkX1U70Z/CQ== | | | |
| | L-Lecture | T-Tutorial | P-Practical | C-Credit |

B.Sc-Textile and Fashion Designing Syllabus LOCF-CBCS with effect from 2021-2022 Onwards

| Course Code | Course Title | | | | Course Type | Sem | Hours | L | T | P | C |
|--|-----------------------------|-------|-----|--------------------|--|------|-------|--------------------|------|------|---|
| 21M4UTFC04 | APPAREL QUALITY & STANDARDS | | | | DSC THEORY - IV | IV | 4 | 4 | | | 4 |
| CO-PO Mapping | | | | | | | | | | | |
| CO Number | P01 | P02 | P03 | P04 | P05 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 | |
| CO1 | M | M | S | S | M | M | S | S | M | M | |
| CO2 | S | S | M | M | M | S | L | S | M | S | |
| CO3 | M | L | S | S | S | M | M | M | S | L | |
| CO4 | S | S | M | M | S | M | M | S | S | S | |
| CO5 | S | M | S | S | S | M | M | S | S | M | |
| Level of Correlation between CO and PO | | L-LOW | | | M-MEDIUM | | | S-STRONG | | | |
| Tutorial Schedule | | | | | Group Discussion, Problem Solving, Quiz, Field Visit. | | | | | | |
| Teaching and Learning Methods | | | | | Lecturing, Power Point Projection through LCD, Demonstration, Video Presentation, Live Demonstration. | | | | | | |
| Assessment Methods | | | | | Internal examination, Assignments, Attendance, Seminar, Unit test for CIA End semester Examination for EA | | | | | | |
| Designed By | | | | Verified By | | | | Approved By | | | |
| Dr. K. SAKTHIVEL | | | | Dr. K. SAKTHIVEL | | | | A-h- bany | | | |

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B.Sc., Textile and Fashion Designing Syllabus LOCF-CBCS with effect from 2021-2022 Onwards

| Course Code | Course Title | Course Type | Sem | Hours | L | T | P | C |
|------------------|--|----------------|-----|-------|------------------|---|----------|---|
| 21M4UTFC05 | HOME TEXTILES | DSC THEORY - V | IV | 4 | 4 | | | 4 |
| Objective | Impart knowledge on fabrics and properties of the various home textile products and its home applications. | | | | | | | |
| Unit | Course Content | | | | Knowledge Levels | | Sessions | |
| I | Introduction to Home textiles: Introduction to home textiles, definition, types of home textiles, factors influencing selection of home textiles, recent trends in home textiles. | | | | K1 | | 8 | |
| II | Floor and wall coverings: Floor and wall coverings – definition, types of floor covering –hard, soft and resilient floor coverings and uses, care and maintenance of floor coverings. Wall coverings - definition, uses, care and maintenance of wall coverings. | | | | K1-K2 | | 9 | |
| III | Door and Window treatments: Door and window treatments –definition and parts of door and windows, curtains and draperies, definition and materials used for curtains and draperies. Types of Curtains –draw, tailored, pleated, cafe, three tier curtains. Types of Draperies – swags. Accessories- rods hook, rails, racks, curtain tape pins. | | | | K3 | | 9 | |
| IV | Soft furnishings for living rooms: Soft furnishings for living and bed linens. Introduction to living and bedroom linens, types-sofa, sofa covers, wall hangings, cushion, cushion covers, upholsteries, bolster and bolster covers, bed sheets, covers, blankets, blanket covers, comfort and comfort covers, bed spreads, mattress and mattress covers, pillow and pillow covers, pads, uses and care. | | | | K3-K4 | | 10 | |
| V | Soft furnishing for kitchen and dining Soft furnishings for kitchen and dining, types of kitchen linens – kitchen towel, aprons, dish cloth, fridge, grinder and mixie covers, mittens, fridge holders – their uses and care. Types of dining- table mat, dish/pot holders, cutlery holder, fruit baskets, hand towels-uses and care. Bathroom linens – types, uses and care. | | | | K4 | | 9 | |

| | | | | |
|---------------------------|---|------------|--------------|-----------|
| Course Outcome | On the successful completion of the course, student will be able to: | | | 45 |
| | CO1: Knowledge on the trends of home textile products. | | K1 | |
| | CO2: Understand the various floor and wall covering products. | | K2 | |
| | CO3: Apply the products of door and window coverings. | | K3 | |
| | CO4: Apply and analyze the soft furnishings of living room. | | K3-K4 | |
| | CO5: Analyze the soft furnishing textile products for kitchen and dining. | | K4 | |
| Learning Resources | | | | |
| Text Books | 1. Cushions and Pillows- Professional Skills – Made Easy, Hamlyn Octopus, Octopus Publishing Group, New York, 2001 2. Design and make curtains, Heather Luke, New Holland publishers, London, 1999 3. Home Comforts-The Arts and Science of Keeping Home, Cheryl Mendelson, Scriber, New York, 2005 | | | |
| Reference Books | 1. Performance of Home Textiles (Wood head Publishing India), Subrata Das, Woodhead Publishing, 2011. 2. Home Furnishing, V. Ramesh Babu and S. Sundaresan, Wood head Publishing India Pvt. Limited, 2018 | | | |
| Website Link | 1. http://gen.lib.rus.ec/ 2. https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=8x0nJkh/R0vHkX1U70Z/CQ== | | | |
| | L-Lecture | T-Tutorial | P-Practical | C-Credit |

B.Sc-Textile and Fashion Designing Syllabus LOCF-CBCS with effect from 2021-2022 Onwards

| Course Code | Course Title | | | | Course Type | Sem | Hours | L | T | P | C |
|--|---------------|-------|--------------------|--|----------------|------|--------------------|----------|------|------|---|
| 21M4UTFC05 | HOME TEXTILES | | | | DSC THEORY - V | IV | 4 | 4 | | | 4 |
| CO-PO Mapping | | | | | | | | | | | |
| CO Number | P01 | P02 | P03 | P04 | P05 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 | |
| CO1 | S | S | M | M | S | S | M | M | S | S | |
| CO2 | S | S | S | S | M | M | S | S | L | S | |
| CO3 | M | M | S | L | S | S | M | M | M | M | |
| CO4 | M | S | S | S | M | M | S | S | M | M | |
| CO5 | S | S | M | M | S | L | M | M | S | S | |
| Level of Correlation between CO and PO | | L-LOW | | | M-MEDIUM | | | S-STRONG | | | |
| Tutorial Schedule | | | | Group Discussion, Problem Solving, Quiz, Field Visit. | | | | | | | |
| Teaching and Learning Methods | | | | Lecturing, Power Point Projection through LCD, Demonstration, Video Presentation, Live Demonstration. | | | | | | | |
| Assessment Methods | | | | Internal examination, Assignments, Attendance, Seminar, Unit test for CIA End semester Examination for EA | | | | | | | |
| Designed By | | | Verified By | | | | Approved By | | | | |
| Mrs. S. PRIYA | | | Dr. K. SAKTHIVEL | | | | A-h- Samy | | | | |

P. Priya

Dr. K. Sakthivel



B.Sc Textile and Fashion Designing Syllabus LOCF-CBCS with effect from 2021-2022 Onwards

| Course Code | Course Title | Course Type | Sem | Hours | L | T | P | C |
|---------------------------|---|--------------------|----------|-------|---|---|---|---|
| 21M4UTFP07 | PRACTICAL: HOME TEXTILE | DSC PRACTICAL -VII | IV | 4 | | | 4 | 2 |
| Objective | Enhance the knowledge on various types of home furnishing construction techniques to the students. | | | | | | | |
| S. No. | List of Experiments / Programmes | Knowledge Levels | Sessions | | | | | |
| 1 | Table Linens- Table cloths, Runners, Placemats and napkins. | K1-K6 | 7 | | | | | |
| 2 | Bed Linens- Bed covers, Pillow Covers (Plain & Smocking), Bolsters. | K1-K6 | 7 | | | | | |
| 3 | Kitchen Linens- Aprons, Mittens. Fridge, Mixie, Grinder and Washing m/c covers. | K1-K6 | 7 | | | | | |
| 4 | Window Textiles- Curtains (Three tier, Pin on), Draperies. | K1-K6 | 8 | | | | | |
| 5 | Upholstery- Sofa Covers, Cushion Covers ((Plain & Smocking) | K1-K6 | 8 | | | | | |
| 6 | Floor Mats – Braided (Round, Square with Contrast Design at center) | K1-K6 | 8 | | | | | |
| Course Outcome | CO1: Identify design for home textile applications. | K1 | 45 | | | | | |
| | CO2: Analyze the construction methods of home furnishings. | K4 | | | | | | |
| | CO3: Analyze the layout methods for home furnishing. | K4 | | | | | | |
| | CO4: Knowledge of fashionable home furnishings. | K5 | | | | | | |
| | CO5: Construct and evaluate the different style of home textile products. | K5-K6 | | | | | | |
| Learning Resources | | | | | | | | |
| Text Books | 1. Carpets: Back to Front, Textile progress, Vol.19, No.3 by – L Cegiela MA, The Textile Inst. Publication 2. Textile Floor coverings by G.H. Crawshaw, Textile Progress, Vol.9, No.2, The Textile Inst. Publisher. 3. Interior Furnishings, Textile Progress, Vol.11, No.1, By Mortimer O. Shea, The Textile Inst. Publication 4. Interior Furnishing by Mortimer O.Shea, Textile Progress, Vol.11, No.1, The Textile Institute, Publication. | | | | | | | |
| Reference Books | 1. Home Furnishing, Babu, V. Ramesh; Sundaresan, S, Woodhead Publishing India in Textiles. | | | | | | | |
| Website Link | 1. http://gen.lib.rus.ec/ 2. https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=8x0nJkh/R0vHkX1U70Z/CQ== | | | | | | | |

B.Sc-Textile and Fashion Designing Syllabus LOCF-CBCS with effect from 2021-2022 Onwards

| Course Code | Course Title | Course Type | Sem | Hours | L | T | P | C |
|-------------|-------------------------|---------------------|-----|-------|---|---|---|---|
| 21M4UTFP07 | PRACTICAL: HOME TEXTILE | DSC PRACTICAL – VII | IV | 4 | | | 4 | 2 |

CO-PO Mapping

| CO Number | P01 | P02 | P03 | P04 | P05 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
|-----------|-----|-----|-----|-----|-----|------|------|------|------|------|
| CO1 | S | S | M | S | S | M | S | S | S | S |
| CO2 | L | S | S | S | S | S | M | S | S | S |
| CO3 | M | S | S | S | S | M | S | S | S | S |
| CO4 | S | S | S | S | S | M | S | M | S | S |
| CO5 | S | S | S | S | M | S | S | S | S | M |

| | | | |
|--|-------|----------|----------|
| Level of Correlation between CO and PO | L-LOW | M-MEDIUM | S-STRONG |
|--|-------|----------|----------|

| | |
|--------------------------------------|---|
| Tutorial Schedule | Group Discussion, Problem Solving, Quiz, Field Visit. |
| Teaching and Learning Methods | Virtual laboratory practice, Hands on Training, Demonstration, Video Presentation |
| Assessment Methods | Record, Samples, Model Practical Examination, Attendance for CIA End Semester Examination for EA |

| | | |
|--------------------|--------------------|--------------------|
| Designed By | Verified By | Approved By |
| Mrs. S. PRIYA | Dr. K. SAKTHIVEL | <i>[Signature]</i> |

[Handwritten Signature]

[Handwritten Signature]



B.Sc Textile and Fashion Designing Syllabus LOCF-CBCS with effect from 2021-2022 Onwards

| Course Code | Course Title | Course Type | Sem | Hours | L | T | P | C |
|-----------------------|--|----------------------|----------|-------|---|---|---|---|
| 21M4UTFP08 | PRACTICAL: WOMEN'S APPAREL | DSC PRACTICAL - VIII | IV | 4 | | | 4 | 2 |
| Objective | Educate the student's skills on Designing, drafting and constructing women's garments and make a creative exposure of layouts, marker efficiency and fashionable garments. | | | | | | | |
| S. No. | List of Experiments / Programmes | Knowledge Levels | Sessions | | | | | |
| | Designing, drafting and construct the following garments for the features of prescribed criteria. | | | | | | | |
| | Garment Costing & CMT, • Measurements Chart, Layout Method, Break Down Analysis, Sequence of assembling and its procedure, Type of seams & machines for each assembly processes. | | | | | | | |
| 1 | Saree Petticoat- 6, 7 & 8 Panel, Decorated bottom. | K1-K6 | 5 | | | | | |
| 2 | Skirts – Circular/Umbrella/Panel with style variations. | K1-K6 | 5 | | | | | |
| 3 | Blouse- Front open, Fashioned neck- Boat neck, Princess Cut, Waist band at front, with sleeve. | K1-K6 | 5 | | | | | |
| 4 | Salwar (or) Churidhar (or) Parallels (or) Patiala, Gathering, Pallazo | K1-K6 | 6 | | | | | |
| 5 | Kameez – with /without slit, with or without flare, with /without opening, with or without panels, with /without yoke | K1-K6 | 6 | | | | | |
| 6 | Night Dress –With yoke, Front open, with sleeve, Full length. | K1-K6 | 6 | | | | | |
| 7 | Short Kurta / Top – Decorative / surface design in tailored placket, with or without collar. | K1-K6 | 6 | | | | | |
| 8 | Maxi | K1-K6 | 6 | | | | | |
| Course Outcome | CO1: Recognize the design and generalize the measurements for the various women's garments. | K1 | 45 | | | | | |
| | CO2: Understand the pattern preparation and calculate material requirement for the designed women's wear. | K2 | | | | | | |
| | CO3: Apply Layout for fabric cutting. | K3 | | | | | | |
| | CO4: Analyze the garment component assembling process | K4 | | | | | | |
| | CO5: Create varieties of fashionable women's wear. | K6 | | | | | | |

| Learning Resources | |
|---------------------------|---|
| Text Books | <ol style="list-style-type: none">1. Scientific garment quality –K M Illege and Sons, Plot No. 43, Somuvar Peth pune 4110112. Practical Clothing Constructing-Part I and II, Mary Mathews, Cosmic Press, Chennai (1986)3. Dress making- Smt Thangam Subramaniam Bombay Tailoring and embroidery college32 |
| Reference Books | <ol style="list-style-type: none">1. Zarapker System of Cutting- Zarapker. K. R, Navneet Publications Ltd. |
| Website Link | <ol style="list-style-type: none">1. http://gen.lib.rus.ec/2. https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=8x0nJkh/R0vHkX1U70Z/CQ== |

B.Sc-Textile and Fashion Designing Syllabus LOCF-CBCS with effect from 2021-2022 Onwards

| Course Code | Course Title | Course Type | Sem | Hours | L | T | P | C |
|-------------|----------------------------|----------------------|-----|-------|---|---|---|---|
| 21M4UTFP08 | PRACTICAL: WOMEN'S APPAREL | DSC PRACTICAL - VIII | IV | 4 | | | 4 | 2 |

CO-PO Mapping

| CO Number | P01 | P02 | P03 | P04 | P05 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
|-----------|-----|-----|-----|-----|-----|------|------|------|------|------|
| CO1 | S | M | S | S | S | S | S | S | S | S |
| CO2 | S | S | S | S | S | M | S | S | S | L |
| CO3 | S | S | S | S | M | S | S | M | S | S |
| CO4 | M | S | S | S | S | M | S | S | S | S |
| CO5 | S | S | M | S | S | S | M | S | S | S |

Level of Correlation between CO and PO

L-LOW

M-MEDIUM

S-STRONG

Tutorial Schedule

Group Discussion, Problem Solving, Quiz, Field Visit.

Teaching and Learning Methods

Virtual laboratory practice, Hands on Training, Demonstration, Video Presentation

Assessment Methods

Record, Samples, Model Practical Examination, Attendance for CIA

End Semester Examination for EA

Designed By

Verified By

Approved By

Ms. M. RAMYA

Dr. K. SAKTHIVEL

A. h. Sany

Ms. M. Ramya

Dr. K. Sakthivel



B.Sc Textile and Fashion Designing Syllabus LOCF-CBCS with effect from 2021-2022 Onwards

| Course Code | Course Title | Course Type | Sem | Hours | L | T | P | C |
|------------------|---|--------------------|-----|-------|----------|---|---|---|
| 21M4UTFSP0 1 | PRACTICAL: NEEDLE CRAFT | SBEC PRACTICAL - I | IV | 4 | | | 4 | 2 |
| Objective | Learn the various types of hand and machine embroidery stitches and impart knowledge on fashion accessories & creativity. | | | | | | | |
| S. No. | List of Experiments / Programmes | Knowledge Levels | | | Sessions | | | |
| | A. Prepare samples for the following | | | | | | | |
| 1 | Hand Embroidery – 20 Stitches -10 Samples | K1-K6 | | | 4 | | | |
| 2 | Machine Embroidery -7 Stitches -3 Samples. | K1-K6 | | | 2 | | | |
| 3 | Appliqué (Machine / Hand Iron)- 3 Types | K1-K6 | | | 1 | | | |
| 4 | Smocking – 4 Types | K1-K6 | | | 3 | | | |
| 5 | Bead Work -1 Sample | K1-K6 | | | 2 | | | |
| 6 | Sequins Work -1 Sample | K1-K6 | | | 2 | | | |
| 7 | Tassels and Fringes -3 Samples. | K1-K6 | | | 2 | | | |
| 8 | Fixing of Stones-1 Sample. | K1-K6 | | | 2 | | | |
| | B. Traditional surface ornamentation practices with two to four variations in the following | | | | | | | |
| 1 | Kantha | K1-K6 | | | 2 | | | |
| 2 | Chikan | K1-K6 | | | 2 | | | |
| 3 | Kasuti | K1-K6 | | | 2 | | | |
| 4 | Zardosi | K1-K6 | | | 2 | | | |
| 5 | Kutch work | K1-K6 | | | 2 | | | |
| 6 | Mirror work (Round, Square & Diamond) | K1-K6 | | | 2 | | | |
| 7 | Phulkari work | K1-K6 | | | 2 | | | |
| | C. Aari Work | K1-K6 | | | 4 | | | |
| | D. Prepare samples for the following | | | | | | | |
| 1 | Hand Bag - Any 2 types | K1-K6 | | | 3 | | | |
| 2 | Head Band, Crunchies, Hat | K1-K6 | | | 2 | | | |
| 3 | Bow - Decorative Bow & Formal Bow | K1-K6 | | | 2 | | | |
| 4 | File Case, Laptop Case | K1-K6 | | | 2 | | | |

| | | | |
|---------------------------|---|-------|----|
| Course Outcome | CO1: Recognize the hand and machine embroidering techniques. | K1 | 45 |
| | CO2: Understand the concepts of smocking techniques. | K2 | |
| | CO3: Apply the skills for develop the traditional embroidery designs. | K3 | |
| | CO4: Analyze and apply Aari work for special occasion garments. | K3-K4 | |
| | CO5: Create entrepreneurial skills. | K6 | |
| Learning Resources | | | |
| Text Books | <ol style="list-style-type: none"> 1. Shailaja D. Naik, Traditional embroideries of India, APH Publishing (1996) 2. Libby Moore Thread folk, a Modern Maker's book of Embroidery, Project & Artist Collaboration, Paige Tata & Co. 3. A-Z of Embroidery Stitches, Country Bumpkin, 2015. 4. The Modern Appliqué Workbook: Easy Invisible Zigzag Method 11 Quilts to Round Out Your Skills, Jenifer Dick, C&T Publishing / Stash Books,2014 | | |
| Reference Books | <ol style="list-style-type: none"> 1. Singer instructions for art embroidery, Singer sewing machine company,1911 2. Lexie Barnes, Sew What! Bags: 18 Pattern-Free Projects You Can Customize to Fit Your Needs, LLC, Storey Publishing, 2009. | | |
| Website Link | <ol style="list-style-type: none"> 1. http://gen.lib.rus.ec/ 2. https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=8x0nJkh/R0vHkX1U70Z/CQ== | | |

B.Sc-Textile and Fashion Designing Syllabus LOCF-CBCS with effect from 2021-2022 Onwards

| Course Code | Course Title | Course Type | Sem | Hours | L | T | P | C |
|-----------------|-------------------------|-----------------------|-----|-------|---|---|---|---|
| 21M4UTFSP0 1 | PRACTICAL: NEEDLE CRAFT | SBEC PRACTICAL - I | IV | 4 | | | 4 | 2 |

CO-PO Mapping

| CO Number | P01 | P02 | P03 | P04 | P05 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
|-----------|-----|-----|-----|-----|-----|------|------|------|------|------|
| CO1 | S | S | M | S | S | M | S | S | S | S |
| CO2 | S | S | S | S | M | S | S | S | S | S |
| CO3 | S | M | S | S | S | S | M | S | L | M |
| CO4 | S | S | S | S | S | S | S | S | M | S |
| CO5 | S | S | S | M | M | S | S | S | S | S |

| | | | |
|--|-------|----------|----------|
| Level of Correlation between CO and PO | L-LOW | M-MEDIUM | S-STRONG |
|--|-------|----------|----------|

| | |
|--------------------------|---|
| Tutorial Schedule | Group Discussion, Problem Solving, Quiz, Field Visit. |
|--------------------------|---|

| | |
|--------------------------------------|---|
| Teaching and Learning Methods | Virtual laboratory practice, Hands on Training, Demonstration, Video Presentation |
|--------------------------------------|---|

| | |
|---------------------------|---|
| Assessment Methods | Record, Samples, Model Practical Examination, Attendance for CIA End Semester Examination for EA |
|---------------------------|---|

| | | |
|--------------------|--------------------|--------------------|
| Designed By | Verified By | Approved By |
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|------------------|------------------|---------------------|
| Ms. S. GUNAVATHI | Dr. K. SAKTHIVEL | <i>A. h. Sanyal</i> |
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S. Gunavathi

Dr. K. Sakthivel

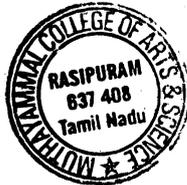


| B.Sc., Textile and Fashion Designing Syllabus LOCF-CBCS with effect from 2021-2022 Onwards | | | | | | | | |
|--|---|--|-----|-------|----------|-------|---|----|
| Course Code | Course Title | Course Type | Sem | Hours | L | T | P | C |
| 21M3UTFN01 | BASICS OF HOME TEXTILES | NMEC - I | III | 2 | 2 | | | 2 |
| Objective | | Educate the basics of home textile products and its application areas. | | | | | | |
| Unit | Content Course | Knowledge Levels | | | Sessions | | | |
| I | Introduction Introduction to home furnishing: Definition, Different types of furnishing materials - factors affecting selection of home furnishing | K1 | | | 2 | | | |
| II | Floor Coverings Floor coverings: Floor coverings – Hard floor coverings, Resilient floor coverings, soft floor coverings – rugs and carpets - use and care | K1-K2 | | | 3 | | | |
| III | Wall coverings Wall coverings: Wall coverings, use and care - different types of doors and windows, their application - Draperies – choice of fabrics - Use of drapery rods, hooks, tapes rings and pins. | K3 | | | 3 | | | |
| IV | Bed and Kitchen linen Bed and Kitchen linen: Definitions, different types of bed lines, sheets, blankets and blanket covers, comforts and comfort cover, pillows and pillow cover, cushion and cushion cover, upholsters, Bolster and Bolster covers - Their use and care. Definitions, types of kitchen lines, dish cloths, hand towels, fridge cover, mixi cover, grinder cover – their use and care. | K3-K4 | | | 4 | | | |
| V | Table Linen Table Linen: Definition, different types of table lines, tables mats, table cloth, hand towels – types, selection use and care. | K4 | | | 3 | | | |
| Course Outcome | On the successful completion of the course, student will be able to: | | | | | | | 15 |
| | CO1: Remember the types of home furnishing textile materials. | | | | | K1 | | |
| | CO2: Understand the various floor covering products. | | | | | K2 | | |
| | CO3: Apply wall coverings in suitable areas. | | | | | K3 | | |
| | CO4: Apply and analyze the types of bed and kitchen linen. | | | | | K3-K4 | | |
| | CO5: Analyze the types of soft linen. | | | | | K4 | | |

| Learning Resources | | | | |
|------------------------|---|------------|-------------|----------|
| Text Books | 1. Alexander, N.G Designing interior environment, MAs Court Braze Convano rich, Inc, New York 1972,. 2. Orang, H.T and Rush, O.D Homes with Cherater, D.C. Health and Company Boston, 1966. 3. Hale – A.D., The use of Color in interior. McGraw Hill Book Company, New York, 1968. | | | |
| Reference Books | 1. Babu, V. Ramesh_ Sundaresan, S - Home Furnishing, (Wood head Publishing India in Textiles) (2018). 2. Subrata Das - Performance of Home Textiles (Wood head Publishing India)-Wood head Publishing (2011). | | | |
| Website Link | 1. http://gen.lib.rus.ec/ 2. https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=8x0nJkh/R0vHkX1U70Z/CQ== | | | |
| | L-Lecture | T-Tutorial | P-Practical | C-Credit |



| B.Sc-Textile and Fashion Designing Syllabus LOCF-CBCS with effect from 2021-2022 Onwards | | | | | | | | | | | |
|--|-------------------------|-------|---|-----|--|------|---------------------|----------|------|------|---|
| Course Code | Course Title | | | | Course Type | Sem | Hours | L | T | P | C |
| 21M3UTFN01 | BASICS OF HOME TEXTILES | | | | NMEC - I | III | 2 | 2 | | | 2 |
| CO-PO Mapping | | | | | | | | | | | |
| CO Number | P01 | P02 | P03 | P04 | P05 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 | |
| CO1 | M | M | S | S | M | M | S | S | S | M | |
| CO2 | M | M | L | S | M | S | L | M | S | M | |
| CO3 | S | S | M | M | S | M | S | S | S | M | |
| CO4 | S | M | S | S | S | S | M | L | M | S | |
| CO5 | M | M | S | S | S | M | S | M | S | M | |
| Level of Correlation between CO and PO | | L-LOW | | | M-MEDIUM | | | S-STRONG | | | |
| Tutorial Schedule | | | | | | | | | | | |
| Teaching and Learning Methods | | | | | Lecturing, Power Point Projection through LCD, Demonstration, Video Presentation, Live Demonstration. | | | | | | |
| Assessment Methods | | | | | Internal examination, Assignments, Attendance, Seminar, Unit test for CIA End semester Examination for EA | | | | | | |
| Designed By | | | Verified By | | | | Approved By | | | | |
| Mrs. S. PRIYA <i>S. Priya</i> | | | Dr. K. SAKTHIVEL <i>K. Sakthivel</i> | | | | <i>A. h. Suresh</i> | | | | |

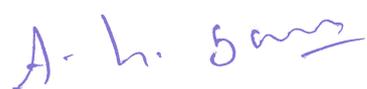


B.Sc., Textile and Fashion Designing Syllabus LOCF-CBCS with effect from 2021-2022 Onwards

| Course Code | Course Title | Course Type | Sem | Hours | L | T | P | C |
|------------------|---|-------------|-----|-------|------------------|---|----------|---|
| 21M4UTFN02 | BASICS OF FASHION DESIGN | NMEC - II | IV | 2 | 2 | | | 2 |
| Objective | Impart basic knowledge on fashion design elements, color theory, principles and fashion style. | | | | | | | |
| Unit | Course Content | | | | Knowledge Levels | | Sessions | |
| I | Introduction to Fashion Fashion Definition – Fashion terminologies – Classification of fashion – Fashion cycle – Fashion forecasting – Factors influencing in fashion – Role and responsibilities of a fashion designers – Types of fashion designers. | | | | K1 | | 2 | |
| II | Elements of Design Introduction to design – Types of design – Elements and their importance in a design – Line – Types – Application of line in a garment –Influence of line in various illusion - Shape – Types – Importance of shape in garment design – Texture – Determinants of texture – Effect of texture on color & physical proportion | | | | K1-K2 | | 3 | |
| III | Colour & Colour Theory Introduction to color theories – Dimensions of color – Color systems – Warm and cool colors – color schemes – Application of color in fashion design – Visual impact of color in a garment – Importance of color psychology | | | | K3-K4 | | 3 | |
| IV | Principles of Design Importance of principles of design in fashion – Balance and its types Proportion and its application in garment design – Emphasis – Creating emphasis in a garment using various techniques – Harmony and its impact in garment design – Rhythm – Application of rhythm in garment design | | | | K4 | | 4 | |
| V | Fashion Style & Various Garments Importance of details in apparel design – Various types of neck, collar & sleeve – Different types of waist & hem lines – Types of plackets, Pockets- Garments for men, women and kids – Unisex garments – Intimate, active and functional garments. | | | | K3 | | 3 | |

| | | | | |
|---------------------------|--|------------|--------------|-----------|
| Course Outcome | On the successful completion of the course, student will be able to: | | | 15 |
| | CO1: Remember the concepts of fashion. | | K1 | |
| | CO2: Understand about various elements of design. | | K2 | |
| | CO3: Apply and analyze the colour theory for fashion design. | | K3-K4 | |
| | CO4: Analyze the principles of design. | | K4 | |
| | CO5: Apply fashion styles for various garments. | | K3 | |
| Learning Resources | | | | |
| Text Books | 1. Sumathi.G.J, Elements of Fashion and Apparel Design, New Age International (P) Ltd, New Delhi (2002). 2. Patric John Ireland, Fashion Design Drawing and Presentation, B.T.Batsfort Ltd, London (1982). 3. Kathryn Mckelvey & Janine Munslow, Fashion Design, Blackwell Publication (2003). | | | |
| Reference Books | 1. Jenny Davis, A Complete Guide to Fashion Designing, Bharat Bhushan Abhishek Publication (2006). 2. Kathryn Mckelvey & Janine Munslow, Fashion Source Book,Blackwell Publication (2006). | | | |
| Website Link | 1. http://gen.lib.rus.ec/ 2. https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=8x0nJkh/R0vHkX1U70Z/CQ== | | | |
| | L-Lecture | T-Tutorial | P-Practical | C-Credit |

B.Sc-Textile and Fashion Designing Syllabus LOCF-CBCS with effect from 2021-2022 Onwards

| Course Code | Course Title | | | | Course Type | Sem | Hours | L | T | P | C |
|--|--------------------------|-------|-----|--------------------|--|------|-------|---|------|------|---|
| 21M4UTFN02 | BASICS OF FASHION DESIGN | | | | NMEC - II | IV | 2 | 2 | | | 2 |
| CO-PO Mapping | | | | | | | | | | | |
| CO Number | P01 | P02 | P03 | P04 | P05 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 | |
| CO1 | M | S | M | S | M | M | M | S | S | S | |
| CO2 | M | M | M | S | S | M | M | S | L | M | |
| CO3 | L | S | M | M | S | S | S | S | S | M | |
| CO4 | M | S | S | M | M | S | S | M | M | S | |
| CO5 | S | M | S | S | S | M | M | L | S | S | |
| Level of Correlation between CO and PO | | L-LOW | | | M-MEDIUM | | | S-STRONG | | | |
| Tutorial Schedule | | | | | Group Discussion, Problem Solving, Quiz, Field Visit. | | | | | | |
| Teaching and Learning Methods | | | | | Lecturing, Power Point Projection through LCD, Demonstration, Video Presentation, Live Demonstration. | | | | | | |
| Assessment Methods | | | | | Internal examination, Assignments, Attendance, Seminar, Unit test for CIA End semester Examination for EA | | | | | | |
| Designed By | | | | Verified By | | | | Approved By | | | |
| Mrs. S. PRIYA | | | | Dr. K. SAKTHIVEL | | | |  | | | |





