

B.Sc., FASHION TECHNOLOGY AND COSTUME DESIGNING

Course Structure with Syllabus

PROGRAMME CODE: 3USFAT

2026-2027



**SENGAMALA THAYAR EDUCATIONAL TRUST
WOMEN'S COLLEGE (AUTONOMOUS)**

(Affiliated to Bharathidasan University, Tiruchirappalli)
(Accredited by NAAC)

**Sundarakkottai, Mannargudi-614016,
Thiruvarur(Dt.), Tamil Nadu, India.**



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TAMILNADU, INDIA.

**B.Sc., FASHION TECHNOLOGY AND COSTUME DESIGNING
CHOICE BASED CREDIT SYSTEM–LEARNING OUTCOMES BASED
CURRICULUM FRAME WORK (CBCS–LOCF)**

(For the candidates admitted in the academic year 2026–2027)

CHOICE BASED CREDIT SYSTEM

The credit based semester system provides flexibility in designing curriculum and assigning credits based on the course content and hours of teaching. The choice based credit system provides a 'cafeteria' type approach in which the students can take courses of their choice, learn at their own pace, undergo additional courses and acquire more than the required credits, and adopt an interdisciplinary approach to learning. Our College has moved to CBCS and implemented the grading system.

OUTCOME-BASED EDUCATION (OBE)

LEARNING OUTCOME-BASED CURRICULUM FRAMEWORK (LOCF)

The fundamental premise underlying the learning outcomes-based approach to curriculum planning and development is that higher education qualifications are awarded on the basis of demonstrated achievement of outcomes (expressed in terms of knowledge, understanding, skills, attitudes and values) and academic standards expected of graduates of a programme of study. Learning outcomes specify what graduates completing a particular programme of study are expected to know, understand and be able to do at the end of their programme of study. The expected learning outcomes are used as reference points that would help to formulate graduate attributes, qualification descriptors, programme learning outcomes and course learning outcomes which in turn will help in curriculum planning and development, and in the design, delivery and review of academic programmes. They provide general guidance for articulating the essential learnings associated with programmes of study and courses within a programme, maintain national standards and international comparability of learning outcomes and academic standards to ensure global competitiveness, and to facilitate student/graduate mobility and provide higher education institutions an important point of reference for designing teaching-learning strategies, assessing student learning levels, and periodic review of programmes and academic standards.

Some important aspects of the Outcome Based Education Course: is defined as a theory, practical or theory cum practical subject studied in a semester.

Course Outcomes (COs): are statements that describe significant and essential learning that learners have achieved, and can reliably demonstrate at the end of a course. Generally, three or more course outcomes may be specified for each course based on its weightage.

Programme: is defined as the specialization or discipline of a Degree.

Programme Outcomes (POs): Programme outcomes are narrower statements that describe what students are expected to be able to do by the time of graduation. POs are expected to be aligned closely with Graduate Attributes.

Programme Specific Outcomes (PSOs): PSOs are what the students should be able to do at the time of graduation with reference to a specific discipline.

Some important terminologies repeatedly used in LOCF.

Ability Enhancement Courses (AEC): Ability Enhancement Courses are designed to improve students' language proficiency, communication skills, analytical abilities, environmental awareness, and understanding of contemporary issues. These courses aim to enhance the overall academic and professional capabilities of students and facilitate their effective participation in higher education and employment.

Core Courses (CC): A course that is compulsorily studied by a student as a fundamental requirement of the programme is termed a Core Course (CC). These courses provide the basic knowledge and conceptual understanding of the major discipline. Core Courses constitute the foundation of the programme and ensure that all students acquire the essential competencies and academic standards prescribed for the degree. Successful completion of Core Courses is mandatory for the award of the degree.

Core Practical Courses (CP): Core Practical Courses are laboratory-based courses associated with the Core Theory Courses. These courses provide hands-on training, experimental skills, analytical techniques, and practical exposure necessary for understanding the concepts of the discipline. Students are required to successfully complete all prescribed practical courses as part of the programme requirements.

Allied Courses (AC): Minor Courses are courses offered from disciplines other than the major discipline. These courses provide students with opportunities to gain additional knowledge and skills in allied or complementary areas of study. Minor Courses promote multidisciplinary learning and broaden the academic perspective of students. The selection and completion of Minor Courses shall be governed by the regulations of the institution and the curriculum framework.

Allied Practical (AP): Minor Practical are practical components associated with the chosen Minor discipline. These courses provide laboratory or field-based exposure to the concepts learned in the Minor Courses and help students develop practical skills relevant to the selected area of study.

Interdisciplinary Courses (IDC): Interdisciplinary Courses are designed to provide knowledge and skills that integrate concepts from multiple disciplines. These courses encourage students to explore the interrelationship between different fields of study and develop a broader understanding of contemporary issues and applications. Students may choose Interdisciplinary Courses as prescribed in the curriculum and subject to eligibility requirements.

Discipline Specific Elective Courses (DSE): Discipline Specific Elective Courses are elective courses offered by the major discipline. These courses provide students with opportunities to acquire advanced knowledge and specialization in selected areas of the discipline. Students may choose courses from the prescribed list of electives based on their interests, aptitude, and career aspirations. These courses are generally application-oriented and provide in-depth exposure to specific domains of study.

Skill Enhancement Courses (SECs): These courses focus on developing skills or proficiencies in the student, and aim at providing hands-on training. Skill enhancement courses can be opted by the students of any other discipline, but are highly suitable for students pursuing their academic programme. These courses may be chosen from a pool of courses designed to provide value-based and/or skill-based knowledge.

Value Added Courses (VAC): Value Added Courses are intended to provide additional knowledge, skills, attitudes, and competencies that complement the regular curriculum. These courses focus on holistic development, professional ethics, environmental awareness, personality development, life skills, and emerging areas of knowledge. Successful completion of the prescribed Value Added Courses may be mandatory or optional as specified in the curriculum.

Field Study/Industrial Visit/Case Study: It has to be completed during the fifth semester of the degree programme. Credit for this course will be entered in the fifth semester's marks statement.

Internship: Students must complete internship during summer holidays after the fourth semester. They have to submit a report of internship training with the necessary documents and have to appear for a viva-voce examination during fifth semester. Credit for internship will be entered in the fifth semester's mark statement.

Extra Credit Courses: In order to facilitate the students, gaining knowledge/skills by attending online courses MOOC, credits are awarded as extra credits, the extra credit are at three semesters after verifying the course completion certificates. According to the guidelines of UGC, the students are encouraged to avail this option of enriching their knowledge by enrolling themselves in the Massive Open Online Courses (MOOC) provided by various portals such as SWAYAM, NPTEL etc.

Project Work: Project Work provides students with an opportunity to apply the knowledge and skills acquired during the programme to investigate a specific problem or research topic. Students shall undertake the project under the guidance of a faculty member and submit a dissertation/report followed by evaluation and viva-voce examination, wherever prescribed.

Extension Activities: Students are encouraged to participate in extension and outreach activities such as National Service Scheme (NSS), National Cadet Corps (NCC), Youth Red Cross (YRC), Red Ribbon Club (RRC), community engagement programmes, environmental awareness campaigns, and other socially relevant activities. Such participation may be recognized through credits, certificates, or awards as prescribed by the institution.

Undergraduate Programme:

Programme Pattern: The Under Graduate degree programme consists of **FIVE** vital components. They are as follows:

Part -I: Ability Enhancement Course (Tamil / Hindi / French / Sanskrit)

Part-II: Ability Enhancement Course (English)

Part-III: Core Course (Theory, Practicals, Minor courses, Minor Practicals and Group Project)

Part-IV: Skill Enhancement Courses, Discipline Specific Elective Courses, Interdisciplinary Courses, Value Education, Health & Wellness, Introduction to Disaster Management, Summer Internship, Value Added Course, Environmental studies, Gender studies and Extension activity.

EXAMINATION

Continuous Internal Assessment (CIA):

UG - Distribution of CIA Marks

Passing Minimum: 40 %

Assignment-3	=	30%
Test-2	=	50%
Seminar	=	10%
Attendance	=	10%

Question Paper Pattern

Section A1 (10x1=10 marks)

One word question/ Fill in/ True or False/ Multiple Choice Questions

Two Questions from Each unit

Section A 2 (5x2=10 marks)

Short Answers / Match the following

One question from Each unit

Total Marks – 20

Section B: (5x4=20 marks)

Paragraph Answers

Either/ or type, One Question from each unit

Section C: (10x3=30)

Essay Type Answers

Answer 3 out of 5 Questions

One Question from each unit

Section A1 & A2: K1 Level

Section B: K2, K3 and K4 Level

Section C: K5 and K6 Level

Knowledge levels for assessment of Outcomes based on Blooms Taxonomy

S. No.	Level	Parameter	Description
1	K1	Knowledge/Remembering	It is the ability to remember the previously learned
2	K2	Comprehension/ Understanding	The learner explains ideas or concepts
3	K3	Application/Applying	The learner uses information in a new way
4	K4	Analysis/Analyzing	The learner distinguishes among different parts
5	K5	Evaluation/Evaluating	The learner justifies a stand or decision
6	K6	Synthesis /Creating	The learner creates a new product or point of view

WEIGHTAGE of K – LEVELS IN QUESTION PAPER

(Cognitive Level) K- LEVELS →	Lower Order Thinking			Higher Order Thinking			Total
	K1	K2	K3	K4	K5	K6	
END SEMESTER EXAMINATIONS (ESE)	20	20			30		70
Continuous Internal Assessment (CIA)	20	20			30		70
QUESTION PATTERN FOR END SEMESTER EXAMINATION/ Continuous Internal Assessment							
SECTION							MARKS
SECTION – A1 (No choice ,One Mark) TWO questions from each unit (10x1 =10)							20
SECTION –A2 (No choice ,Two Mark) ONE question from each unit (5x2 =10)							
SECTION - B (Either/ or type, 4-Marks) ONE questions from each unit (5x4 =20)							20
SECTION - C (3 out of 5) (10 Marks) ONE question from each unit (3x10 =30)							30
Total							70

BLUE PRINT OF QUESTION PAPER FOR END SEMESTER EXAMINATION							
DURATION: 3. 00 Hours.				Max Mark : 70			
K- LEVELS	K1	K2	K3	K4	K5	K6	Total Marks
SECTION							
SECTION –A1 (1 Mark, No choice) (10x1 =10)	10						10
SECTION –A2 (2-Marks, No choice) (5x2=10)	10						10
SECTION –B (4-Marks) (Either/or type) (5x4=20)		4	8	8			20
SECTION -C (10 Marks) (3 out of 5) (3x10=30) Courses having only K5, K6 levels, K5 level- 3 Questions, K6 level- 2 Questions (One K6 level question is compulsory)					20	10	30
Total	20	04	08	08	20	10	70

EVALUATION

GRADING SYSTEM

Once the marks of the CIA and the end-semester examination for each of the courses are available, they will be added and converted as final mark. The marks thus obtained will then be graded as per the scheme provided in Table-1.

Grade Point Average (GPA) will be calculated from the first semester onwards for all semester. From the second semester onwards, the total performance within a semester and the continuous performance starting from the first semester are indicated by semester Grade Point Average (GPA) and Cumulative Grade Point Average (CGPA), respectively. These two are calculated by the following formulae:

$$GPA = \frac{\sum_{i=1}^n C_i G_i}{\sum_{i=1}^n C_i}$$

$$WAM \text{ (Weighted Average Marks)} = \frac{\sum_{i=1}^n C_i M_i}{\sum_{i=1}^n C_i}$$

Where,

C_i is the Credit earned for the Course i

G_i is the Grade Point obtained by the student for the Course i

M_i is the marks obtained for the course i and

n is the number of Courses **Passed** in that semester.

CGPA: Average GPA of all the Courses starting from the first semester to the current semester.

CLASSIFICATION OF FINAL RESULTS:

1. For each of the first three parts, there shall be separate classification on the basis of CGPA, as indicated in Table-2.
2. For the purpose of declaring a candidate to have qualified for the Degree of Bachelor of Arts/ Science/ Commerce/ Management as Outstanding/ Excellent/ Very Good/ Good/ Above Average/ Average, the marks and the corresponding CGPA earned by the candidate in Part-III alone will be the criterion, provided the candidate has secured the prescribed passing minimum in the all the Five parts of the Programme.
3. Grade in Part –IV and Part-V shall be shown separately and it shall not be taken into account for classification.
4. A Pass in PART- V will be mandatory although the marks will not count for the calculation of the CGPA.
5. Absence from an examination shall not be taken an attempt.

Table-1: Grading of the Courses – UG

Marks Range	Grade Point	Corresponding Grade
90 and above	10	O
80 and above and below 90	9	A+
70 and above and below 80	8	A
60 and above and below 70	7	B+
50 and above and below 60	6	B
40 and above and below 50	5	C
Below 40	NA	RA

The candidate's performance in every current semester is indicated by **Semester Grade Point Average (SGPA)** and from the second semester onwards, the continuous performance including previous semester /s is indicated by **Cumulative Grade Point Average (CGPA)**.

Table-2: Final Result

CGPA	Corresponding Grade	Classification of Final Result
9.00 and above	O	Outstanding
8.00 to 8.99	A+	Excellent
7.00 to 7.99	A	Very Good
6.00 to 6.99	B+	Good
5.00 to 5.99	B	Above Average
4.00 to 4.99	C	Average
Below 4.00	RA	Re-appearance

The candidates who have passed in the first appearance and within the prescribed duration of the UG programme are eligible. If the candidate's Grade is O/A+ with more than one attempt, the performance is fixed as "Very Good".

Vision

To promote the holistic education for achieving academic excellence in the field of apparel and fashion technology and to become globally competitive department with social commitment and innovation in entrepreneurial sector.

Mission

- To provide quality education with innovative, contemporary and structured curriculum
- To impart hands on training with the help of infrastructure and professional lab facilities.
- To provide conducive atmosphere for teaching and learning equip with latest technologies and entrepreneurial skills.

PROGRAMME OUTCOMES FOR B.Sc..DEGREE PROGRAMMES

PO No.	Programme Outcomes (Upon completion of the B.Sc. Degree Programme, the Undergraduate will be able to)
PO-1	Disciplinary knowledge: Demonstrate comprehensive knowledge and understanding of one or more disciplines that form a part of an undergraduate program of study in Bachelor of Science.
PO-2	Critical thinking, Problem Solving and Reflective thinking: think critically about the issues and identify, critically analyze and solve problems from the disciplines of concern using appropriate tools and techniques and the knowledge, skills and attitudes acquired and extrapolate the same to real life situations; show critical sensibility to life experiences, with self awareness and reflexivity of both self and society.
PO-3	Analytical & Scientific Reasoning: evaluate the reliability and relevance of evidence; identify logical flaws and holes in the arguments of others; analyze and synthesize data from a variety of sources; draw valid conclusions and support them with evidence and examples and addressing opposing viewpoints; critically evaluate ideas, evidence, and experiences from an open minded and reasoned perspective.
PO-4	Research-related Skills: develop a sense of capability for relevant/appropriate inquiry and asking questions, synthesize, articulate and report results and to recognize and predict cause and effect relationships, define problems, formulate and establish hypothesis, analyze and interpret and draw conclusions from data, execute and report the results of an experiment or investigation.
PO-5	Digital literacy and Effective Communication: use ICT in a variety of learning situations and speak, read, write and listen clearly in person and through electronic media in English and in one or more Indian languages, and make meaning of the world by connecting people, ideas , books, media and technology; efficiently communicate thoughts and ideas in a clear and concise manner.
PO-6	Individual and Team Work: effectively accomplish tasks individually as well as work effectively and respectfully as member or leader with diverse teams, facilitate cooperative or coordinated effort on the part of a group, and act together as a group or a team in the interest so for a common cause and work efficiently as a member of a team.
PO-7	Multicultural Competence and Social Interaction: understand the values and beliefs of multiple cultures, global perspectives, engage and interact respectfully with diverse groups and elicit views of others, mediate disagreements and help reach conclusions in group settings.
PO-8	Awareness of Ethical issues, Human values and Gender Issues: embrace moral/ethical values in conducting one's life, formulate a position/argument about an ethical issue from multiple perspectives, and use ethical practices in all work and understand the value of relationship between self and the community and aware of the various issues concerning women and society.
PO-9	Awareness of Environment and Sustainability: understand the impacts of technology and business practices in societal and environmental contexts, and sustainable development.
PO-10	Self directed and Lifelong learning: acquire knowledge and skills, including learning "how to learn", that are necessary for participating in learning activities throughout life and to engage in independent and life-long learning in the broadest context of socio-technological changes.

PROGRAMME SPECIFIC OUTCOME (PSO)

PSO No.	Program Specific Outcomes (B.Sc., FASHION TECHNOLOGY AND COSTUME DESIGNING)
PSO1	Acquiring Knowledge – Impart relevant knowledge and skills in apparel and fashion designing and textile production.
PSO2	Communication Skills – Deliver information and ideas confidently with good quality interpersonal communication skills.
PSO3	Continuous learning – Work on the acquired knowledge in textiles and fashion, arts and crafts though out the life time for income generation and innovative product development, Design and develop fashion apparels as per the need of the hour.
PSO4	Independent and team work awareness: Carry out independent and research, develop innovative and creative design concepts.
PSO5	Value based Learning and Entrepreneurial skill – Understand and follow research ethics. Regulate the standards and follow them for apparel and fashion designing, distinguish skills for employment and entrepreneurship in apparel and fashion units.



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**B.Sc., FASHION TECHNOLOGY AND COSTUME DESIGNING
CHOICE BASED CREDIT SYSTEM-LEARNING OUTCOMES BASED
CURRICULUM FRAMEWORK (CBCS – LOCF)**

(For the candidates admitted in the academic year 2026–2027)

ELIGIBILITY: Students who have completed their class +2 in any stream is eligible to apply

Sem	Part	Courses	Course Code	Title	Ins. Hrs.	Credits	Exam. Hours	Maximum Marks		
								Int.	Ext.	Total
I	I	Ability Enhancement Course -I (AEC- I)	U26TAEC11	(Tamil\$/Other Languages+,#)	6	3	3	30	70	100
	II	Ability Enhancement Course -II (AEC-II)	U26EAEC11	English Course – I	6	3	3	30	70	100
	III	Core Course –I (CC-I)	U26FT101	Introduction to Fashion Designing	4	4	3	30	70	100
		Core Practical-I (CP-I)	U26FT102P	Fashion Illustration Practical	4	4	3	40	60	100
		Allied Course-I (AC-I)	U26AFT101	Sewing Techniques	3	3	3	30	70	100
		Allied Practical –I (AP-I)	U26AFT102P	Sewing Techniques Practical	3	3	3	40	60	100
	IV	Value Education	26UGVED		2	2	3	30	70	100
		Interdisciplinary Course - I (IDC - I) #			2	2	3	30	70	100
	Total				30	24	--	--	--	800
II	I	Ability Enhancement Course-III (AEC -III)	U26TAEC22	(Tamil\$/Other Languages+, #)	6	3	3	30	70	100
	II	Ability Enhancement Course –IV (AEC-IV)	U26EAEC22	English Course – II	6	3	3	30	70	100
	III	Core Course - II(CC-II)	U26FT203	Fibre and Yarn Science	4	4	3	30	70	100
		Core Practical-II (CP-II)	U26FT204P	Fashion Draping Practical	4	4	3	40	60	100
		Allied Course- II (AC-II)	U26AFT203	Pattern Making	3	3	3	30	70	100
		Allied Practical-II (AP-II)	U26AFT204P	Pattern Making Practical	3	3	3	40	60	100
	IV	Skill Enhancement Course -I (SEC- I) ##	U26SEFT21P	Surface Embellishment-I and Surface Embellishment-II Practical	2	2	3	40	60	100
		Interdisciplinary Course- II (IDC- II) #			2	2	3	30	70	100
	Total				30	24	--	--	--	800

III	I	Ability Enhancement Course -V (AEC -V)		(Tamil\$ / Other Languages+, #)	6	3	3	30	70	100
	II	Ability Enhancement Course-VI (AEC -VI)		English Course – III	6	3	3	30	70	100
	III	Core Course – III (CC-III)		Industrial Garment Production	4	4	3	30	70	100
		Core Practical -III (CP-III)		Children’s Garment Practical	4	4	3	40	60	100
		Allied Course-III (AC-III)		Traditional Indian Embroidery and Printing Techniques	3	3	3	30	70	100
		Allied Practical -III (AP-III)		Traditional Indian Embroidery and Printing Techniques Practical	3	3	3	40	60	100
	IV	Skill Enhancement Course -II (SEC - II) ##		Artificial Intelligence in Fashion Technology	2	2	3	30	70	100
		Interdisciplinary Course- III (IDC - III) \$\$			2	2	3	30	70	100
		Health & Wellness @			--	1	--	20	80	100
Total					30	25	--	--	--	900
IV	I	Ability Enhancement Course -VII (AEC - VII)		(Tamil\$ / Other Languages+, #)	6	3	3	30	70	100
	II	Ability Enhancement Course -VIII (AEC - VIII)		English Course – IV	6	3	3	30	70	100
	III	Core Course-IV (CC-IV)		Textile Wet Processing	4	4	3	30	70	100
		Core Practical –IV (CP-IV)		Textile Wet Processing Practical	4	4	3	40	60	100
		Allied Course-IV (AC-IV)		Fabric Structure and Design	3	3	3	30	70	100
		Allied Practical-IV (AP-IV)		Fabric Structure and Design Practical	3	3	3	40	60	100
	IV	Skill Enhancement Course- III (SEC - III) ##		Fashion Portfolio Practical	2	2	3	40	60	100
		Interdisciplinary Course- IV (IDC - IV) \$\$			2	2	3	30	70	100
	Total					30	24	--	--	--
	Summer Internship / Industrial Activity during the Summer Vacation after II Year									
V	III	Core Course – V (CC- V)		Textile Testing	4	4	3	30	70	100
		Core Course –VI (CC-VI)		Fashion Clothing and Psychology	5	4	3	30	70	100
		Core Course –VII (CC-VII)		Knitting	5	4	3	30	70	100
		Core Course –VIII (CC-VIII)		Fashion Business	5	4	3	30	70	100
		Core Practical –V (CP-V)		Textile Testing Practical	5	4	3	40	60	100
	IV	Skill Enhancement Course-IV (SEC- IV)		Women’s Garment Practical	2	2	3	30	70	100
		Discipline Specific Elective Course -I (DSEC-I)		Heritage of Textiles and Costumes/Computer Aided Designing/ Technical Textiles and Smart Apparel	2	2	3	30	70	100
		Introduction to Disaster Management			2	2	3	30	70	100

		Summer Internship / Industrial Activity @@		Summer Internship with Viva-Voce	--	2	--	20	80	100
		Total			30	28	--	--	--	900
VI	III	Core Course –IX (CC-IX)		International Trade and Documentation	4	4	3	30	70	100
		Core Course – X (CC-X)		Garment Quality and Cost Control	5	4	3	30	70	100
		Core Practical –VI (CP-VI)		Home Textiles Practical	5	4	3	40	60	100
		Core Project Work (CPW) @@		Project Work (with Viva-Voce)	6	4	3	20	80	100
		Skill Enhancement Course - V (SEC-V)		CAD in Fashion Design Practical	2	2	3	40	60	100
		Discipline Specific Elective Course –II (DSEC-II)		Fashion Merchandising / Fabric Care/ Apparel Costing	2	2	3	30	70	100
		Environmental Studies			2	2	3	30	70	100
		Gender Studies			2	1	3	30	70	100
		Value Added Course		General Studies for Competitive Examinations	2	2	2	30	70	100
		Extension Activities *			--	1	--	--	--	--
		Total			30	26	--	--	--	900
		Grand Total			180	151	--	--	--	5100

ALLIED COURSE

S.No	Semester	Title of the Course
1.	I	Sewing Techniques
2.	I	Sewing Techniques Practical
3.	II	Pattern Making
4.	II	Pattern Making Practical
5.	III	Traditional Indian Embroidery and Printing Techniques
6.	III	Traditional Indian Embroidery and Printing Techniques Practical
7.	IV	Fabric Structure and Design
8.	IV	Fabric Structure and Design Practical

SKILL ENHANCEMENT COURSE (SEC)

S.No	Semester	Title of the Course
1.	II	SEC-I Surface Embellishment-I and Surface Embellishment-II Practical
2.	III	SEC-II Artificial Intelligence in Fashion Technology
3.	IV	SEC-III Fashion Portfolio Practical
4.	V	SEC-IV Women's Garment Practical
5.	VI	SEC-V CAD in Fashion Design Practical

DISCIPLINE SPECIFIC ELECTIVE COURSE (DSEC)

S.No	Semester	Title of the Course
1	V	DSEC-I Heritage of Textiles and Costumes/ Computer Aided Designing/ Technical Textiles and Smart Apparel
2	VI	DSEC-II Fashion Merchandising / Fabric Care/ Apparel Costing

INTERDISCIPLINARY COURSE (IDC)

S.No	Semester	Course Code	Title of the Course
1.	I	U26FTID11	IDC-I Hand Embroidery
2.	II	U26FTID22	IDC-II Fabric Enhancement Techniques
3.	III		IDC-III Accessories Making
4.	IV		IDC-IV Fabric Printing Techniques

VALUE ADDED COURSE ** (VAC)

Semester	Course	Title of the Course
II	VAC - I	Traditional Textiles as Sustainable Fashion
IV	VAC - II	Data Science Using Python and R Programming

INTERDISCIPLINARY COURSE (IDC)# FOR WHO HAVE NOT OPT TAMIL AS PART - I		
Those who have studied Tamil upto 10 th +2 but opt for other languages in degree	I Semester	Special Tamil - I
	II Semester	Special Tamil - II
Those who have not studied Tamil in school level	III Semester	Basic Tamil - I
	IV Semester	Basic Tamil - II
INTERDISCIPLINARY COURSE (IDC) \$\$ FOR NCC CADETS ONLY		
NCC Course is a Compulsory Course for the NCC Cadets in the III Semester:	NCC Course is a Compulsory Course for the NCC Cadets in the IV Semester:	
Introduction to NCC	1. Special Subject Army (or) 2. Special Subject Navy (or) 3. Special Subject Air force	

SUMMARY OF CURRICULUM STRUCTURE OF UG PROGRAMMES – SCIENCE

S. No.	Part	Types of the Courses	No. of Courses	Credits for each Course	Total Credits	Marks
1.	I	Ability Enhancement Course (Tamil)	4	3	12	400
2.	II	Ability Enhancement Course (English)	4	3	12	400
3.	III	Core Course (CC)	10	4	40	1000
4.		Core Practical (CP)	6	4	24	600
5.		Allied Course (AC)	4	3	12	400
6.		Allied Practical (AP)	4	3	12	400
7.		Core Project Work (CPW)	1	4	4	100
8.	IV	Skill Enhancement Course (SEC)	5	2	10	500
9.		Discipline Specific Elective Course (DSEC)	2	2	4	200
10.		Interdisciplinary Course (IDC)	4	2	8	400
11.		Value Education	1	2	2	100
12.		Health and Wellness	1	1	1	100
13.		Introduction to Disaster Management	1	2	2	100
14.		Summer Internship / Industrial Activity	1	2	2	100
15.		Value Added Course	1	2	2	100
16.		Environmental Studies	1	2	2	100
17.		Gender Studies	1	1	1	100
1.		EXTENSION ACTIVITIES (NCC / NSS / SPORTS / ANTI DRUG CELL / YRC & Any Other Activities)	--	1	1	--
Total			51	-	151	5100
Additional Value Added Course in semester II and IV**			2**	2	4**	200
MOOC - SWAYAM/NPTEL Courses						

\$	For those who have studied Tamil upto10 th +2 (Regular Stream)															
+	Syllabus for other Languages should be on par with Tamil at degree level															
#	Those who have studied Tamil up to10 th +2 but opt for other languages in degree level under Part-I should study special Tamil and those who have not studied Tamil in the school level should study Basic Tamil in Part–IV under the Interdisciplinary Course.															
\$\$	NCC Course is one of the Choices in the Interdisciplinary Course. Only the NCC Cadets are eligible to choose this course. However, NCC Course is a Compulsory Course for the NCC Cadets.															
@	Health and Wellness: Assessments: • Use self-reflective worksheets to assess their understanding • submit the worksheets to internal audit / external audit • Every student’s activity report should be documented and the same have to be assessed by the Physical Director with Mentor. The evaluation should be for 100 marks. No examination is required. Scheme of Evaluation: <table><tr><th>Part</th><th>Description</th><th>Marks</th></tr><tr><td>A</td><td>Report</td><td>40</td></tr><tr><td>B</td><td>Attendance</td><td>20</td></tr><tr><td>C</td><td>Activities (Observation During Practice)</td><td>40</td></tr><tr><td colspan="2">Total</td><td>100</td></tr></table>	Part	Description	Marks	A	Report	40	B	Attendance	20	C	Activities (Observation During Practice)	40	Total		100
Part	Description	Marks														
A	Report	40														
B	Attendance	20														
C	Activities (Observation During Practice)	40														
Total		100														
@ @	Summer Internship / Industrial Activity Internship will be carried out during the summer vacation after the second year. Viva-Voce will be conducted by the college and Marks shall be send to the University and the same will be included in the 5th semester Mark Statement. Summer Internship / Industrial Activity & Project Work Scheme of Evaluation: <table><tr><th>Description</th><th>Marks</th></tr><tr><td>Report</td><td>80</td></tr><tr><td>Viva-Voce</td><td>20</td></tr><tr><td>Total</td><td>100</td></tr></table>	Description	Marks	Report	80	Viva-Voce	20	Total	100							
Description	Marks															
Report	80															
Viva-Voce	20															
Total	100															
*	Extension Activities shall be outside instruction hours.															
**	Additional value added courses credit will not be included in the total CGPA. These courses are extra-credit courses. Instruction hours for these courses is 30 hours															

**SENGAMALA THAYAAR EDUCATIONAL TRUST WOMEN'S COLLEGE
(AUTONOMOUS)**



SUNDARAKKOTTAI, MANNARGUDI -614016.

(For the candidate admitted in the academic year 2026-2027)

DEPARTMENT OF FASHION TECHNOLOGY

B.Sc., FASHION TECHNOLOGY AND COSTUME DESIGNING

Semester: I –CC-I: Introduction to Fashion Designing

Ins. Hrs. / Week: 4

Course Credit: 4

Course Code: U26FT101

COURSE OBJECTIVES:

- To introduce the basic concepts, origin, classification and terminology related to fashion and fashion designing.
- To impart knowledge on elements of art and principles of design.
- To develop understanding of colour theories, colour harmonies and psychological effects of colours in fashion.
- To familiarize students with figure variations and suitable garment designing techniques for different body types.
- To provide knowledge on wardrobe planning, clothing preferences and budgeting for various age groups and occasions.

UNIT-I : Fashion designing concepts

(12 Hours)

Meaning of Fashion, Origin of Fashion, Meaning of Fashion Designing, Classification of Fashion, Influence of Fashion. Terminologies related to Fashion – Fashion, Style, Fad, Trend, Line and Collection, Mannequin, Dress Form, High Fashion, Haute Couture, Couture, Couturier, Knock-off, Avant-Garde, Prêt-à-Porter, Boutique and Sample.

UNIT-II: Elements of art and principles of design

(12 Hours)

Design-Definition and its types-Structural design, decorative design, basic silhouette. Elements of Design (point, line, form, shape, space, size, texture and colour), Principles of Design-(harmony, proportion, balance, rhythm and emphasis) Application of principle of design in dress.

UNIT-III: Colour

(12 Hours)

Introduction to Colour. Colour Wheel – Prang Colour System and Munsell Colour System. Properties of Colour – Hue, Value and Intensity. Qualities of Colour. Colour Schemes. Theories of Colour Harmony. Psychology of Colours and their Application in Fashion.

UNIT-IV : Figure Variations

(12 Hours)

Garment Designing for different figure, Types and Body Variations. Height and Build Variations – Tall and Thin, Tall and Stout, Short and Thin, Short and Stout. Body Proportions – Large Bust, Flat Bust and Large Hips. Shoulder Types – Narrow Shoulders, Broad Shoulders and Rounded Shoulders. Face Shapes – Round, Oval and Square. Principles of Garment Selection for Figure Enhancement.

UNIT-V: Wardrobe planning**(12 Hours)**

Wardrobe Planning – Definition, Purpose, Principles, Steps. Clothing Preferences for Different Age Groups. Factors Affecting Clothing Selection. Clothing Budget and Budget Planning. Wardrobe Planning for Various Occasions – Casual, Formal, Festive and Professional Wear.

UNIT-VI: CURRENT CONTOURS (For Continuous Internal Assessment Only)

Browse materials related to current fashion trends, sustainable fashion and traditional Indian textiles. Prepare fabric/sample booklet, fashion accessory chart, wardrobe planning activity and develop games or quizzes related to fashion terminology and colour concepts.

Total Lecture Hours -60**COURSE OUTCOMES:**

The students will be able to

1. Understand the basic concepts, origin and classifications of fashion and fashion designing.
2. Identify and apply elements and principles of design in dress and clothing.
3. Gain knowledge about color theory, color schemes and their importance in fashion design.
4. Recognize various figure types and design suitable garments to enhance appearance.
5. Learn to plan a functional wardrobe for different age groups, occasions and budgets.
6. Develop creative activities related to current fashion trends, sustainable fashion, traditional textiles, fashion accessories and colour concepts.

TEXT BOOK(S)

- 1 Davis,J.2009. "A Complete Guide to Fashion Designing".1st Edition.Abhishek Publications,New Delhi.ISBN: 9788182472477.
- 2 McKelvey,K.and Munslow,J. 2012."Fashion Design: Process, Innovation and Practice".2nd Edition. Wiley-Blackwell Publishing Ltd., Oxford, United Kingdom. ISBN: 9781405199748.
- 3 NarangM.2008."Fashion Technology Handbook". 2nd Edition. Asia Pacific Business Press Inc., New Delhi. ISBN: 9788178330675.
- 4 Sumathi,G.J. 2007. "Elements of Fashion and Apparel Design". Reprint Edition. New Age International (P) Ltd.,Publishers,New Delhi. ISBN: 9788122413717.
- 5 Tyagi,A.2012."Handbook of Fashion Technology".1st Edition. Sonali Publications, New Delhi. ISBN: 9788184113873.

REFERENCE BOOK(S)

1. Dantyagi,S.2006."Fundamentals of Textiles and Their Care".5th Edition.Orient Longman Limited, New Delhi, India.ISBN: 9788125029489.
2. Hosegood,B.2006."The Complete Book of Sewing".2nd Edition. Dorling Kindersley Limited, London, United Kingdom. ISBN: 9781405313922.
3. Mitchell,A.2024."Advances in Sewn Product Technology". 1st Edition.CRC Press,Taylor & Francis Group, Boca Raton, Florida, USA. ISBN: 9781032664145.

4. Nayak,R.,Truong,H.and Pal, R.(Eds.).2025. "Use of Digital and Advanced Technologies in the Fashion Supply Chain".1st Edition.Springer Fashion Business,Springer Nature,Singapore. ISBN: 9789819609055.
5. Rasband,J.1995."Wardrobe Strategies for Women".1st Edition. Delmar Publishers,Albany, New York, USA. ISBN: 9780827366653.

E-RESOURCES

1. <https://www.iiad.edu.in/the-circle/what-is-fashion-designing/>
2. <https://www.slideshare.net/Malathypriya/fashion-theories-228524339>
3. <https://targetjobs.co.uk/careers-advice/retail/careers-fashion-different-job-roles>
4. <https://www.fdc.org/career-in-fashion.html>
5. <https://www.nift.ac.in>
6. <https://fdci.org>
7. <https://www.vogue.in>
8. <https://www.fashionrevolution.org>

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	1	1	1	1	1	1	2	3	1	2	1	1
CO2	3	3	2	1	1	1	1	1	1	2	3	1	3	2	1
CO3	3	2	3	1	1	1	1	1	1	2	3	1	3	1	1
CO4	2	3	3	2	1	1	1	1	1	2	3	1	3	2	1
CO5	2	3	2	2	2	1	1	1	1	2	2	2	3	1	2

S-Strong (3)

M-Medium(2)

L-Low(1)

**SENGAMALA THAYAAR EDUCATIONAL TRUST WOMEN'S COLLEGE
(AUTONOMOUS)**



SUNDARAKKOTTAI, MANNARGUDI -614016.

(For the candidate admitted in the academic year 2026-2027)

DEPARTMENT OF FASHION TECHNOLOGY

B.Sc., FASHION TECHNOLOGY AND COSTUME DESIGNING

Semester: I –CP-I: Fashion Illustration Practical

Ins. Hrs. / Week: 4 Course Credit: 4 Course Code: U26FT102P

COURSE OBJECTIVES:

- To introduce the fundamentals of fashion illustration and sketching techniques.
- To develop skills in drawing fashion figures in various proportions and poses.
- To provide knowledge of sketching facial features, hands, and feet.
- To enhance garment sketching skills for men, women, and children.
- To familiarize students with the illustration of fashion accessories and jewellery.

I: Introduction to Fashion Illustration

- Freehand drawing techniques.
- Basics of shading.
- Pencil grading and smudging techniques.
- Drawing stick figures in different poses.

II: Fashion Figure Drawing

- 8-head theory.
- 10-head theory.
- 12-head theory.
- Drawing fashion figures in different poses (women, men, and children).

III: Facial Features and Body Parts

- Drawing facial features: eyes, nose, ears, lips, and hairstyles.
- Sketching hands and feet from different angles.

IV: Sketching on Basic Croquis

- Drawing necklines, collars, sleeves, and cuffs.
- Sketching children's wear.
- Sketching women's wear.
- Sketching men's wear.

V: Sketching of Fashion Accessories

- Illustration of bags, footwear, hats, ties, and spectacles (any two).
- Sketching traditional and contemporary jewellery designs.

COURSE OUTCOMES:

The students will be able to

- 1 Explain the importance of fashion illustration as a visual communication tool in the fashion industry.
- 2 Draw fashion figures using different head theories and body proportions.
- 3 Illustrate facial features, hands, feet, and various body postures accurately.
- 4 Create fashion sketches for men's, women's, and children's garments based on current fashion trends.
- 5 Illustrate a variety of fashion accessories and jewellery suitable for different fashion concepts.
- 6 Apply creative fashion illustration techniques to effectively present garment and accessory designs.

TEXT BOOK(S)

- 1 Abling, B.2023, " Fashion Sketchbook ." 8th Edition. Fairchild Books, New York. ISBN: 9781501387951.
- 2 Bryant,M.W.2019. "Fashion Drawing: Illustration Techniques for Fashion Designers ."3rd Edition. Laurence King Publishing, London. ISBN: 9781786271767.
- 3 Hopkins, J. 2018."Fashion Drawing ." 2nd Edition. Bloomsbury Visual Arts, London. ISBN: 9781474270106.
- 4 Rothman,S. 2020."The Fashion Designer's Sketchbook ." Fairchild Books, New York. ISBN: 9781501346965.
- 5 Stipelman,S. 2021."Illustrating Fashion: Concept to Creation ." Fairchild Books, New York. ISBN: 9781501367281.

REFERENCE BOOK(S)

1. Dorkenzio,Alfred D.,2001,"Fashion Sketching: Drawing the Fashion Figure ."1stEdition, Thomas Learning Custom Publishing.
2. Ireland, Patrick John,2010,"Fashion Design Drawing and Presentation ."5th Edition, Laurence King Publishing.
3. McKelvey,Kathryn and Munslow, Janine,2012,"Fashion Design: Process, Innovation and Practice ." 2nd Edition, Wiley-Blackwell.
4. Mesenbourg,Kathryn,2011,"Fashion Drawing:Illustration Techniques for Fashion Designers ." 1stEdition, Batsford.
5. Riegelman,Nancy,2012,"Colors for Modern Fashion: Drawing Fashion with Colored Markers, 1st Edition, Pearson Education.

E-RESOURCES

1. <https://www.pinterest.com/kimkarczfashion/fashion-figure-drawing/>
2. <https://www.drmmichaelkernohan.com.au/blogs/8-features-of-a-beautiful-face/>
3. <https://www.udemy.com/learn-to-draw-fashion-with-adobe-illustrator-cc->
4. <https://fashionillustrationtribe.com/sketching-fashion-accessories/>
5. <https://www.nift.ac.in>
6. <https://www.fashionillustrationtribe.com>
7. <https://www.vogue.in/fashion>
8. <https://www.fashiondesigningcourse.in>
9. <https://www.behance.net>

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	1	2	1	1	1	1	2	3	2	2	2	1
CO2	3	3	3	1	2	2	2	2	2	2	3	2	3	3	1
CO3	3	3	3	2	2	2	2	2	2	2	3	2	3	3	1
CO4	3	3	3	2	2	2	2	2	2	2	3	2	3	3	2
CO5	3	2	2	2	2	1	1	1	1	2	3	2	3	3	2

S-Strong (3)

M-Medium(2)

L-Low(1)

**SENGAMALA THAYAAR EDUCATIONAL TRUST WOMEN'S COLLEGE
(AUTONOMOUS)**



SUNDARAKKOTTAI, MANNARGUDI -614016.

(For the candidate admitted in the academic year 2026-2027)

DEPARTMENT OF FASHION TECHNOLOGY

B.Sc., FASHION TECHNOLOGY AND COSTUME DESIGNING

Semester: I – AC-I Sewing Techniques

Ins. Hrs. / Week: 3

Course Credit: 3

Course Code: U26AFT101

COURSE OBJECTIVES:

- To introduce sewing equipment, body measurements, and basic garment construction techniques.
- To provide knowledge on seams, fullness and material requirement calculations.
- To develop skills in drafting and constructing different types of sleeves and skirts.
- To familiarize students with neck finishes, collars, yokes, pockets and plackets.
- To enhance creativity in garment construction through trimmings, decorative finishes and contemporary fashion details.

UNIT-I: Sewing Equipment

(9 Hours)

Sewing machines- parts and their function, care and maintenance. Tools for measuring, marking, cutting and pressing. Selection of thread and needle for various types of fabric.

Body measurements: Introduction, Measurements – where and how to take them. Eight head theory – relative length and girth measures for a grown up proportionate human body. Standardizing body measurement.

UNIT-II: Seams and Fullness

(9 Hours)

Definition, Choice of seam, Seam types and their finishes. Fullness:

Definition, Types of fullness-Darts, Tucks, Pleats, flares, godets, gathers, shirrs and frills. Calculating material requirements.

UNIT-III: Sleeves and Skirts

(9 Hours)

Sleeves:- Classification of sleeves, types of sleeves- plain, puff at top, bottom, bell, bishop, circular, leg-o-mutton, sleeveless styles, kimono and raglan. Pattern preparation for these sleeves.

Skirts: Different types of skirts- Drafting patterns for semicircular and circular skirts.

UNIT-IV: Neck finishes and Yokes

(9 Hours)

Neck finishes: Definition, Bias- definition, joining bias and uses. Bias facing and bias binding. Collars -definition, parts of collar, factors to be considered in designing collar, classification of collar. Drafting for peter pan, cape, scallop, puritan, sailors, Chinese and Turtleneck collar.

Yokes: Definition, selection of yoke design, creating variety in yoke. Drafting patterns for yoke without fullness, yoke with fullness within the yoke and yoke supporting or releasing fullness. Attachment of yokes.

UNIT-V: Pockets and Plackets

(9 Hours)

Pockets- Definition, classification, selection of pocket and creating variety in pockets.

Plackets-Definition, characteristics of a good placket, classification-continuous bound, bound and faced, fly opening, zipper, tailored and center front / shirt placket.

Trimmings:- Definition, types-Bias trimming, Ricrac ,ruffles, embroidery, smocking, faggoting, Applique, lace, lace motifs, Scalloped edging, decorative fastening – belts and bows.

UNIT- VI: CURRENT CONTOURS (For Continuous Internal Assessment Only)

Prepare a sample file for seams, plackets, yokes and neck finishes, Develop miniature patterns for skirts, sleeves and collars. Collect fabric swatches suitable for different garment components and sewing techniques. Browse material related to smart textiles and wearable fashion technology. Prepare a portfolio on contemporary fashion details and garment styling innovations.

Total Lecture Hours -45

COURSE OUTCOMES:

The students will be able to

1. Explain the functions, care and maintenance of sewing equipment, tools and body measurements used in garment construction.
2. Apply suitable seams, seam finishes and fullness techniques in garment designing and construction.
3. Develop patterns for different types of sleeves and skirts using standard drafting methods.
4. Design and construct neck finishes, collars, yokes, pockets and plackets for various garments.
5. Demonstrate creativity in garment construction through the application of trimmings and decorative techniques.
6. Develop sample files, miniature patterns, and portfolios related to garment construction and contemporary fashion innovations.

TEXT BOOK(S)

1. Aldrich,W.2015, "Metric Pattern Cutting for Women's Wear. Sixth Edition. Wiley Blackwell Publications, Oxford.
2. Armstrong,H.J.2014."Pattern Making for Fashion Design. Fifth Edition. Pearson Education, New York.
3. Mathews,M.2005."Practical Clothing Construction Part I. First Edition. Bhattarams Reprographics Pvt. Ltd., Chennai.
4. Mathews,M.2006."Practical Clothing Construction Part II. First Edition. Bhattarams Reprographics Pvt. Ltd., Chennai.
5. Zarapkar,K.R.2010."Zarapkar System of Cutting. Fourth Edition. Navneet Publications, Mumbai.

REFERENCE BOOK(S)

1. Cooklin,G.2006. "Garment Technology for Fashion Designers" Second Edition. Blackwell Publishing, Oxford.
2. Crawford,C.A.2012. "The Art of Fashion Draping"Third Edition. Fairchild Publications, New York.
3. Jaffe,H.and Relis,N.2013. "Draping for Fashion Design"Second Edition. Pearson Education, New York.
4. Mansfield,E.A.2004."Practical Clothing Construction. "Revised Edition. Houghton Mifflin Company, Boston.
5. Wood,D.2011."The Complete Book of Sewing". First Edition. Dorling Kindersley Publications, London.

E-RESOURCES

1. <https://swayam.gov.in>
2. <https://nptel.ac.in>
3. <https://epgp.inflibnet.ac.in>
4. <https://ndl.iitkgp.ac.in>
5. <https://textilelearner.net>

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	2	2	2	1	1	1	1	2	3	2	2	2	2
CO2	3	3	3	2	2	1	1	1	1	2	3	2	3	2	2
CO3	3	3	3	3	2	1	1	1	1	2	3	2	3	3	2
CO4	3	3	3	3	2	1	1	1	1	2	3	2	3	3	2
CO5	3	3	3	2	2	1	1	1	1	2	3	2	3	3	3

S-Strong (3)

M-Medium(2)

L-Low(1)

**SENGAMALA THAYAAR EDUCATIONAL TRUST WOMEN'S COLLEGE
(AUTONOMOUS)**



SUNDARAKKOTTAI, MANNARGUDI -614016.

(For the candidate admitted in the academic year 2026-2027)

DEPARTMENT OF FASHION TECHNOLOGY

B.Sc., FASHION TECHNOLOGY AND COSTUME DESIGNING

Semester: I – AP-I Sewing Techniques Practical

Ins. Hrs. / Week: 3

Course Credit:3

Course Code: U26AFT102P

COURSE OBJECTIVES:

- To understand the parts, functions, operation, and maintenance of sewing machines.
- To develop skills in taking accurate body measurements and using sewing tools.
- To acquire practical knowledge of seams, hems, fullness, facings, bindings, plackets and yokes.
- To gain proficiency in constructing pockets, skirts, collars and sleeves.
- To enhance sewing skills, accuracy and workmanship in garment construction.

I: Sewing machine and its parts

Parts of a sewing machine and their functions.

Threading a sewing machine.

Demonstration of operating, cleaning and oiling a sewing machine.

Demonstration of taking body measurements.

Common problems and methods to overcome them.

II: Preparation of seams, hems and fullness

Prepare samples of seams and seam finishes.

Prepare samples of hems.

Prepare samples of fullness techniques – tucks, darts, pleats, ruffles, godets, gathers and frills.

III: Preparation of neck finishes, plackets and yokes

Prepare samples of facings and bindings.

Prepare samples of plackets and yokes (any two types).

IV: Preparation of skirts and pockets

Prepare samples of pockets – patch pocket, bound pocket and pocket set into seam (any two types).

Prepare samples of skirts (any five types).

V: Preparation of collars and sleeves

Prepare samples of sleeves (any two types).

Prepare samples of collars (any two types).

COURSE OUTCOME:

The students will be able to

1. Operate and maintain the sewing machines and take accurate body measurements.
2. Prepare seams, seam finishes, hems, and fullness techniques used in garment construction.
3. Construct facings, bindings, plackets, and yokes using appropriate sewing methods.
4. Prepare the different types of pockets and skirts with proper construction techniques.
5. Construct the various styles of collars and sleeves with accuracy and good workmanship.

TEXT BOOK(S)

1. Aldrich,W., 2015."Metric Pattern Cutting for Women's Wear, 6th Edition, Wiley-Blackwell, Oxford.
2. Armstrong, H.J.,2025. "Patternmaking for Fashion Design, 5th Global Edition, Pearson Education, London.
3. Cooklin,G.,2012."Garment Technology for Fashion Designers, 2nd Edition, Wiley-Blackwell, Oxford.
4. Joseph,A.,2018."Sewing Techniques and Patterns, 2nd Edition, Blackwell Publishing, London.
5. Khan,M.Q., Nawab,Y. and Kim, I.S.,2024. "Garment Sizing and Pattern Making, 1st Edition, Springer Nature Singapore, Singapore.

REFERENCE BOOK(S)

1. Brown,P.and Rice,J.,2022."Ready-to-Wear Apparel Analysis,Fourth Edition,Pearson Education, New York.
2. Fischer,A.,2024."Basics Fashion Design:Construction,Third Edition,Bloomsbury Publishing, London.
3. Ireland,P.J.,2023.Introduction to Fashion Design,Second Edition,Fairchild Books,New York.
4. Reddy-Best,K.L.and Burns,L.D.,2022.The Business of Fashion, Sixth Edition, Fairchild Books, New York.
5. Shaeffer,C.,2023.Couture Sewing TechniquesThird Edition,The Taunton Press, Connecticut.

E-RESOURCES

1. <https://www.ushafoundation.in/types-of-seams>
2. <http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827> 10
3. <https://ncert.nic.in/vocational/pdf/ievh101.pdf>
4. <https://www.egyankosh.ac.in/bitstream/123456789/92853/1/Unit-17.pdf>
5. <https://gcwgandhinagar.com/econtent/document/1587359029unit%205.pdf>
6. <https://www.fibre2fashion.com/industryarticle/5658/basics-of-patternmaking>
7. www.fashionrevolution.org
8. www.sewguide.com
9. www.threadsmagazine.com

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	2	2	2	1	1	1	1	2	3	2	2	2	2
CO2	3	3	3	2	2	1	1	1	1	2	3	2	3	2	2
CO3	3	3	3	3	2	1	1	1	1	2	3	2	3	3	2
CO4	3	3	3	3	2	1	1	1	1	2	3	2	3	3	2
CO5	3	3	3	3	2	1	1	1	1	2	3	2	3	3	3

S-Strong (3)

M-Medium(2)

L-Low(1)

**SENGAMALA THAYAR EDUCATIONAL TRUST WOMEN'S COLLEGE
(AUTONOMOUS)**



SUNDARAKKOTTAI, MANNARGUDI -614016.

(For the candidate admitted in the academic year 2026-2027)

DEPARTMENT OF FASHION TECHNOLOGY

B.Sc., FASHION TECHNOLOGY AND COSTUME DESIGNING

Semester: I – Value Education (Revised syllabus)

Ins. Hrs. /Week: 2

Course Credit: 2

Course Code: 26UGVED

COURSE OBJECTIVES

- To understand the philosophy of life and values through Thirukural
- To analyse the components of values education to attain the sense of citizenship
- To understand different types of values towards National Integration and international understanding
- To learn yoga as value education to promote mental and emotional health
- To understand human rights, women rights and other rights to promote peace and harmony

UNIT I : PHILOSOPHY OF LIFE AND SOCIAL VALUES

Human Life on Earth (Kural 629) -Purpose of Life (Kural 46) -Meaning and Philosophy of Life (Kural 131, 226) -Family (Kural 45), Peace in Family (Kural 1025) Society (Kural 446), The Law of Life (Kural 952), Brotherhood (Kural 807) Five responsibilities / duties of Man (a) to himself (b) to his family (c) to his environment (d) to his society, (e) to the Universe in his lives (Kural 43, 981).

UNIT-II – HUMAN VALUES AND CITIZENSHIP

Aim of education and value education: Evolution of value oriented education, Concept of Human values: types of Values- Character Formation – Components of Value education A P J Kalam's ten points for enlightened citizenship- The role of media in value building.

UNIT-III VALUE EDUCATION TOWARDS NATIONAL AND GLOBAL DEVELOPMENT

Constitutional or national values: Democracy, socialism, secularism, equality, Justice, liberty, freedom and fraternity - Social Values: Pity and probity, self-control, universal brotherhood - Professional Values - Knowledge thirst, sincerity in profession, regularity, punctuality and faith -Religious Values: Tolerance, wisdom, character - Aesthetic Values- Love and appreciation of literature and fine arts and respect for the same- National Integration and International Understanding.

UNIT IV : YOGA AND HEALTH

Definition, Meaning, Scope of Yoga - Aims and objectives of Yoga - Yoga Education with modern context - Different traditions and schools of Yoga - Yoga practices: Asanas, Pranayama and Meditation.

UNIT V : HUMAN RIGHTS

Concept of Human Rights: Indian and international perspectives- Evolution of Human Rights- definitions under Indian and International documents -Broad classification of Human Rights and Relevant Constitutional Provisions: Right to Life, liberty and Dignity- Right to equality- Right against exploitation- Cultural and Educational Right- Economic Rights- Political Rights- Social Rights - Human Rights of Women and Children – Peace and harmony.

COURSE OUTCOMES

The student will be able to

1. Apply the values in thirukural to be peaceful, dutiful and responsible in family and society
2. Develop character formation and sense of citizenship
3. Be secular, self-control, sincere, respectful and moral.
4. Master yoga, asana and meditation to promote mental health
5. Be attitudinal to follow the constitutional rights

REFERENCE BOOK(S)

1. Thirukkural with English Translation of Rev. Dr. G.U. Pope, Uma Publication, 156, Serfoji Nagar, Medical College Road, Thanjavur 613 004.
2. ஸ்ரீமது திருக்குறள் – டி.ஓ.பி. இளங்குடி குழந்தைப் பிள்ளை, ஸ்ரீமது திருக்குறள், ஸ்ரீமது திருக்குறள், ஸ்ரீமது திருக்குறள்.
3. Leah Levin, Human Rights, NBT, 1998
4. V.R. Krishna Iyer, Dialectics and Dynamics of Human Rights in India, Tagore Law Lectures.
5. Yogic Therapy - Swami Kuvalayananda and Dr.S.L.Vinekar, Government of India, Ministry of Health, New Delhi.
6. SOUND HEALTH THROUGH YOGA - Dr.K.Chandrasekaran, Prem Publications, Sedapatti, 1999. 7. Grose. D. N – “A text book of Value Education’ New Delhi (2005)
7. Gawande . EN – “Value Oriented Education” – Vision for better living. New Delhi (2002) Saruptsons 9. Brain Trust Aliyar- “Value Education for Health, Happiness and Harmony” Erode (2004) Vethathiri publications

**SENGAMALA THAYAAR EDUCATIONAL TRUST WOMEN'S COLLEGE
(AUTONOMOUS)**



SUNDARAKKOTTAI, MANNARGUDI -614016.

(For the candidate admitted in the academic year 2026-2027)

**DEPARTMENT OF FASHION TECHNOLOGY
B.Sc., FASHION TECHNOLOGY AND COSTUME DESIGNING**

Semester: I –IDC-I Hand Embroidery

Ins. Hrs. / Week:2

Course Credit:2

Course Code:U26FTID11

COURSE OBJECTIVES:

- To introduce the basics, tools, materials and techniques used in hand embroidery.
- To develop skills in basic embroidery stitches and their applications.
- To provide knowledge on traditional Indian embroideries and their cultural significance.
- To familiarize students with decorative and surface embroidery techniques for fabric ornamentation.
- To create awareness on modern embroidery trends, entrepreneurship and marketing opportunities in the embroidery industry.

UNIT-I: Introduction to Hand Embroidery

(6 Hours)

Definition, importance and scope of hand embroidery. Historical background and traditional embroidery of India. Tools, equipment and accessories used in embroidery. Selection of fabric, threads, needles and frames for embroidery. Preparation of fabric for embroidery. Transfer of designs – tracing, carbon, prick and pounce methods.

UNIT-II: Basic Embroidery Stitches

(6 Hours)

Introduction to embroidery stitches. Types, method of working and applications of stitches. Running stitch, back stitch, stem stitch, chain stitch, lazy daisy stitch, satin stitch, herringbone stitch, feather stitch, blanket stitch, buttonhole stitch, cross stitch, fishbone stitch, couching stitch and French knot.

UNIT-III: Traditional Indian Embroidery

(6 Hours)

Origin, characteristics, motifs, colour combinations and applications of traditional embroideries of India. Kantha of West Bengal, Kasuti of Karnataka, Chikankari of Lucknow, Phulkari of Punjab, Kutch embroidery of Gujarat, Kashida of Kashmir and Toda embroidery of Tamil Nadu.

UNIT-IV: Decorative and Surface Embroidery Techniques

(6 Hours)

Mirror work, bead work, sequin work, appliqué work, patch work, cut work, smocking and shadow work. Fabric manipulation techniques in embroidery. Combination of stitches for surface ornamentation. Preparation of decorative articles using embroidery techniques.

UNIT-V: Contemporary Trends and Entrepreneurial Opportunities

(6 Hours)

Modern trends in hand embroidery. Computerized embroidery techniques and digital motif development. Embroidery in fashion garments, home textiles and accessories. Cost estimation and pricing of embroidered products. Entrepreneurship opportunities in embroidery and boutique industry. Export potential and marketing of embroidered products.

UNIT – VI CURRENT CONTOURS (For Continuous Internal Assessment Only)

Recent trends in embroidery and fashion. Eco-friendly embroidery practices and use of sustainable materials. Digital and computerized embroidery techniques. Role of social media and online marketing in embroidery business. Entrepreneurial opportunities in embroidery and boutique industry.

Total Lecture Hours -30

COURSE OUTCOMES:

The students will be able to

1. Explain the importance, tools, materials and design transfer methods used in hand embroidery.
2. Demonstrate basic embroidery stitches, apply them creatively in apparel and household articles.
3. Identify and differentiate traditional embroidery styles of India and their cultural significance.
4. Apply decorative and surface embroidery techniques for value addition in garments and accessories.
5. Develop entrepreneurial skills in embroidery designing, product development and marketing.
6. Utilize contemporary embroidery trends and digital techniques in creative embroidery applications.

TEXT BOOK(S)

1. Bennett, L., 2001, The Sewing Bible: A Modern Approach to Hand Sewing Techniques, 1st Edition, Tuttle Publishing.
2. Cummings, C., 2005, The Complete Sewing Manual, 1st Edition, New Holland Publishers.
3. Harold Carr and Barbara Latham, 1994, The Technology of Clothing Manufacture – Blackwell Science. A complete guide for sewing – Coles M Sew, Heinemann Professional Publishing, Singapore.
4. Mary Mathews, Practical Clothing Construction Part-II. Designing, Drafting and Tailoring Bhattarams Reprographics (P) Ltd., Chennai, 1991. 14
5. Sears, C. and Bostwick, L., 2010, The Sewing Book: A Complete Guide to Sewing, 2nd Edition, DK Publishing.
6. Wilson, K., 2012, Sewing for Fashion Designers, 1st Edition, Fairchild Books.

REFERENCE BOOK(S)

1. Gupta, V. 2023. Fashion Embroidery: Traditional and Modern Designs. University Science Press.
2. Jain, R. 2021. Textile Designing and Embroidery Art. APH Publishing Corporation.
3. Kumari, R. 2022. Hand Embroidery and Needle Craft. New Age International Publishers.
4. Naik, S. D. 2021. Traditional Embroideries of India. CBS Publishers & Distributors Pvt. Ltd.
5. Sharma, K. 2021. Decorative Embroidery Techniques. Kalyani Publishers.
6. Singh, M. 2022. Surface Ornamentation and Textile Embellishment. Woodhead Publishing.

E-RESOURCES

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2. <https://www.embroidery.rocksea.org>
3. <https://www.textilevaluechain.in>
4. <https://www.craftsvilla.com/blog/category/indian-embroidery/>
5. <https://www.fibre2fashion.com>
6. <https://www.needlenthread.com>
7. <https://www.dmc.com/in/>

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	1	2	1	1	1	1	2	3	2	2	2	1
CO2	3	3	3	2	2	1	1	1	1	2	3	2	3	3	2
CO3	3	2	3	2	2	1	2	2	1	2	3	2	2	2	1
CO4	3	3	3	2	2	1	1	1	1	2	3	2	3	3	2
CO5	3	3	2	3	2	2	1	2	1	3	3	3	3	3	3

S-Strong (3)

M-Medium(2)

L-Low(1)



**SENGAMALA THAYAAR EDUCATIONAL TRUST WOMEN'S COLLEGE
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SUNDARAKKOTTAI, MANNARGUDI -614016.

(For the candidate admitted in the academic year 2026-2027)

DEPARTMENT OF FASHION TECHNOLOGY

B.Sc., FASHION TECHNOLOGY AND COSTUME DESIGNING

Semester: II –CC-II Fibre and Yarn Science

Ins. Hrs. / Week: 4

Course Credit: 4

Course Code: U26FT203

COURSE OBJECTIVES:

- To introduce the classification, properties, and applications of textile fibres.
- To provide knowledge on natural fibres, their processing methods and end uses.
- To familiarize students with regenerated and synthetic fibres and their manufacturing processes.
- To impart knowledge on yarn manufacturing processes and yarn classification.
- To develop understanding of yarn properties, sewing threads and recent innovations in the textile industry.

UNIT-I: Introduction to fibres

(12 Hours)

Textile fibres – definition, classification of textile fibres according to their nature and origin, essential and desirable properties of textile fibres, staple and filament, comparison of natural and man-made fibres.

UNIT-II: Natural Fibres

(12 Hours)

Cotton fibres-properties and uses, jute fibre, extraction, properties and uses, flax fibre, properties and uses, hemp fibres, properties and uses, silk fibre, life cycle of silkworm – silk reeling and throwing, properties and uses, wool fibre, varieties of wool, differences between worsted and wool fibre, properties and uses, brief study of hair fibres.

UNIT-III: Man -Made Fibres

(12 Hours)

Regenerated fibres – viscose rayon: manufacturing process, properties and uses; modal: properties and uses; lyocell: properties and uses; bamboo: properties and uses. Synthetic fibres – polyester: manufacturing process, properties and uses; nylon 6: manufacturing process, properties and uses; polypropylene: properties and uses; acrylic: properties and uses.

UNIT-IV: Yarn Manufacturing Process

(12 Hours)

Introduction to ginning and conventional spinning – mixing and blending, flow process, carding, drawing, combing, simplex, ring frame, differences between carded and combed yarn.

UNIT-V: Yarn and its types

(12 Hours)

Yarn – definition, yarn twist, types and effects, classification of yarn, simple and fancy yarns, Quality parameters while sourcing yarn, sewing threads types and its properties.

UNIT – VI CURRENT CONTOURS (For Continuous Internal Assessment Only)

Industrial visit to textile industry. Hands on practice in fibre and yarn identification. Assignment on recent textile innovations and sustainable fibres. Seminar on modern trends in textile industry.

Total Lecture Hours -60

COURSE OUTCOMES

The students will be able to

1. Explain the classification, properties and uses of textile fibres.
2. Describe the characteristics and applications of natural fibres and manmade fibres.
3. Illustrate the manufacturing process of yarn and spinning techniques.
4. Differentiate various types of yarns, twists and sewing threads used in textiles.
5. Apply knowledge of modern textile fibres, yarns and sustainable textile practices in the textile industry.
6. Identify recent innovations and sustainable developments in the textile industry.

TEXT BOOK(S)

1. Babu,K.M.and Chandrasekhara,S.M.2022,"Bamboo Fibres:Processing,Properties and Applications".Vol.1,First Edition,Woodhead Publishing.
2. Jiang,S.X.,Seidu,R.K.and Tawiah,B.2025,"Advances in Textile Materials and Processing Techniques for Sustainability".First Edition, Springer Nature.
3. Muthu,S.S.2022,"Sustainable Approaches in Textiles and Fashion: Fibres, Raw Materials and Product Development". Vol. 1, First Edition, Springer Singapore.
4. Nayak,R.2022, "Sustainable Fibres for Fashion and Textile Manufacturing".First Edition, Woodhead Publishing.
5. Shahid,M., Mallick, A. and Debnath, S.2025. "Advances in Renewable Natural Materials for Textile Sustainability".First Edition, CRC Press.

REFERENCE BOOK(S)

1. Clarke,S.,2024."Smart Textiles and Advanced Fibre Materials."Second Edition.Woodhead Publishing.
2. Das,A.and Alagirusamy,R.,2024."Science in Clothing Comfort."Second Edition.Woodhead Publishing.
3. Gulrajani,M.L.and Gupta,D.2023 "Natural Fibre and Sustainable Textile Technology."First Edition. CRC Press.
4. Majumdar,A.,2023 "Sustainable Yarn Production and Processing Technologies."First Edition. Springer Nature.
5. Paul,R., 2022."Textiles and Clothing Sustainability:Recycled and Upcycled Textiles."First Edition. Springer Singapore.

E-RESOURCES

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3. <https://www.textilevaluechain.in>
4. <https://www.textilelearner.net>
5. <https://www.worldoftextiles.com>
6. <https://www.indiantextilejournal.com>
7. <https://www.autexrj.com>
8. <https://www.textiletoday.com.bd>

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	3	1	2	1	1	1	1	2	3	1	2	1	1
CO2	3	2	3	1	2	1	1	1	1	2	3	1	2	1	1
CO3	3	3	3	2	2	1	1	1	1	2	3	1	3	2	1
CO4	3	3	3	2	2	1	1	1	1	2	3	1	3	2	1
CO5	3	3	3	2	2	1	1	1	3	3	3	2	3	2	3

S-Strong (3)

M-Medium(2)

L-Low(1)

**SENGAMALA THAYAAR EDUCATIONAL TRUST WOMEN'S COLLEGE
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SUNDARAKKOTTAI, MANNARGUDI -614016.

(For the candidate admitted in the academic year 2026-2027)

DEPARTMENT OF FASHION TECHNOLOGY

B.Sc., FASHION TECHNOLOGY AND COSTUME DESIGNING

Semester: II –CP-II Fashion Draping Practical

Ins. Hrs. / Week:4

Course Credit:4

Course Code:U26FT204P

COURSE OBJECTIVES:

- To introduce the fundamentals of draping techniques and seam line identification.
- To develop skills in draping basic bodice, skirt and pant patterns for men, women and children.
- To provide knowledge on draping sleeve, collar and neckline variations.
- To train the students in dart manipulation and advanced draping techniques.
- To enhance creativity and technical proficiency in designing and draping complete garments.

PRACTICAL CONTENT:

I: Introduction to Draping

- Introduction to Draping Techniques.
- Identification of Seam Lines.

II: Basic Bodice Development

- Drape a Basic Bodice Front and Back- Women, Men and Children..
- Drape a Basic Skirt/Pant – Women, Men and Children.

III: Drape Garment Components

- Sleeve Variations – Children and Women.
- Collar and Neckline Variations – Men and Women.

IV: Manipulating Techniques

- Dart Manipulation- Pivot / Slash and Spread method.
- Drape an Off-Shoulder Bodice with Princess Seams.

V: Designer Garment

- Drape a Complete Garment

COURSE OUTCOMES

The students will be able to

1. Understand basic draping techniques and identify seam lines on dress forms.
2. Develop basic bodice, skirt, and pant drapes for different age groups and genders.
3. Create variations of sleeves, collars, and necklines through draping methods.
4. Apply dart manipulation and advanced shaping techniques in garment design.
5. Design and drape a complete garment using creative and technical skills.
6. Create innovative garment designs using draping techniques.

TEXT BOOK(S)

1. Abbing, B., 2021. "Fashion Sketchbook." Seventh Edition. Fairchild Books.
2. Khurana, K., 2021. "Draping and Pattern Making for Fashion Design." Second Edition. Sonali Publications.
3. Kiisel, K., 2023. "Draping: The Complete Course." Second Edition. Laurence King Publishing.
4. McKelvey, K. & Munslow, J. 2020. "Illustrating Fashion." Second Edition. Wiley Publications.
5. Richards, R., 2019. "Draping the Fashion Figure." First Edition. Thames and Hudson.
6. Turner, S., 2022. "Advanced Draping Techniques for Fashion." Third Edition. Cengage Learning.

REFERENCE BOOK(S)

1. Amaden-Crawford, C., 2022. "The Art of Fashion Draping." Fourth Edition. Fairchild Books.
2. Anderson, M., 2019. "Fashion Draping and Construction." Second Edition. Prentice Hall.
3. Cloake, D., 2016. "Cutting and Draping Party and Eveningwear." First Edition. Batsford.
4. Jaffe, H. and Relis, N., 2021. "Draping for Fashion Design." Fifth Edition. Pearson Education.
5. Kiisel, K., 2023. "Draping: The Complete Course." Second Edition. Laurence King Publishing.
6. Hillhouse, M.S. and Mansfield, E.A., 2020. "Dress Design: Draping and Flat Pattern Making." First Edition. Read Books Ltd.

E- RESOURCES

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2. <https://www.fitnyc.edu/library>
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MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	1	2	1	1	1	1	2	3	1	2	2	1
CO2	3	3	3	2	2	1	1	1	1	2	3	1	3	3	1
CO3	3	3	3	2	2	1	1	1	1	2	3	1	3	3	1
CO4	3	3	3	3	2	1	1	1	1	2	3	2	3	3	2
CO5	3	3	3	3	2	2	1	1	1	3	3	2	3	3	3
S-Strong (3)			M-Medium(2)						L-Low(1)						



**SENGAMALA THAYAAR EDUCATIONAL TRUST WOMEN'S COLLEGE
(AUTONOMOUS)**

SUNDARAKKOTTAI, MANNARGUDI -614016.

(For the candidate admitted in the academic year 2026-2027)

DEPARTMENT OF FASHION TECHNOLOGY

B.Sc., FASHION TECHNOLOGY AND COSTUME DESIGNING

Semester: II –AC-II Pattern Making

Ins. Hrs. / Week:3

Course Credit:3

Course Code: U26AFT203

COURSE OBJECTIVES:

- To master fabric preparation and scientific layout planning.
- To cultivate precision in pattern drafting and draping techniques.
- To innovate garment styles through advanced flat pattern methods.
- To acquire professional expertise in grading and commercial pattern development.
- To achieve excellence in garment fitting, alteration, and assembling skills.

Unit-I: Fabric preparation and layout planning

(9 Hours)

Fabric preparation : Preparing the fabric for cutting, Importance of grain in fabric cutting and garment construction, Methods of straightening fabric grains. Introduction to Lay planning, Rules for pattern layout, Types of layout, Transferring pattern markings, stay stitching, ease stitching.

Unit-II: Drafting and Draping

(9 Hours)

Drafting: Preparation of paper patterns, advantages of paper patterns, pattern drafting using individual body measurements, Principles of pattern drafting, preparation of basic bodice, sleeve and skirt patterns.

Draping: Definition, types of dress forms, preparation of dress forms using adhesive tape method, draping techniques, draping of basic blocks (bodice, sleeve and skirt).

Unit-III: Flat pattern Techniques

(9 Hours)

Definition, Pivot method, Slash and spread method, Measurement method. Creating garment styles through dart manipulation and dart relocation techniques.

Unit-IV: Commercial pattern and pattern grading

(9 Hours)

Commercial pattern: Definition, merits and demerits, Development of commercial pattern.

Pattern Grading: Definition, Grading terminology, selecting a grading system, grading techniques, their advantages and disadvantages. Computer-aided grading. Grading procedures. Grading of basic block using draft grading system.

Unit-V: Pattern alteration, Garment fitting and assembling

(9Hours)

Pattern alteration: Methods for identifying pattern alteration, General principles for pattern alteration. Common pattern alterations in a fitted bodice pattern.

Garment fitting and Assembling: Standards for a good fit, checking for good fit, identifying fitting problems and applying corrective measures, garment assembly techniques and finishing.

UNIT – VI CURRENT CONTOURS (For Continuous Internal Assessment Only)

Industrial visit to a garment manufacturing unit or fashion boutique. Hands-on training in pattern drafting and draping techniques. Assignment on recent trends in pattern making and garment fitting. Seminar on computer-aided pattern design and grading. Development of garment samples using modern pattern making techniques.

Total Lecture Hours -45

COURSE OUTCOMES

The students will be able to

1. Explain pattern making techniques and classify different types of layouts.
2. Demonstrate drafting procedures and pattern development techniques.
3. Apply flat pattern techniques for fashion garment development.
4. Explain pattern grading concepts and techniques used in apparel production.
5. Apply pattern alteration methods to achieve proper garment fit.
6. Develop garment fitting and assembly techniques for achieving proper fit and professional finish.

TEXT BOOK(S)

1. Aldrich,W.,2015. "Metric Pattern Cutting for Women's Wear."Seventh Edition.Wiley-Blackwell.
2. Cooklin,G.,2019."Pattern Grading for Women's Clothes."Second Edition. Wiley-Blackwell.
3. Crawford,C.,2021."The Art of Fashion Draping." Fourth Edition. Bloomsbury Visual Arts.
4. Joseph-Armstrong, H.,2019. "Patternmaking for Fashion Design." Sixth Edition. Pearson Education.
5. Liechty,E., Rasband, J.and Pottberg, D.,2016."Fitting and Pattern Alteration: A Multi-Method Approach." Third Edition. Fairchild Books.

REFERENCE BOOK(S)

1. Bray,N.,2018."Dress Pattern Designing."Fifth Edition.Wiley-Blackwell.
2. Cole, J.,2025. "Patternmaking with Stretch Knit Fabrics."Second Edition. Bloomsbury Academic.
3. Donnanno, A.,2021."Fashion Patternmaking Techniques." First Edition. Promopress Publications.
4. Fischer,A.,2020."Basics Fashion Design: Construction." Second Edition. Fairchild Books.
5. Jennings,T., 2022."The Fashion Design Toolkit: 18 Patternmaking Techniques for Creative Practice." Illustrated Edition.Bloomsbury Academic.

E-RESOURCES

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8. www.craftsy.com
9. www.tillyandthebuttons.com

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	3	1	2	1	1	1	1	2	3	1	2	2	1
CO2	3	3	3	2	2	1	1	1	1	2	3	1	3	2	1
CO3	3	3	3	2	2	1	1	1	1	2	3	2	3	3	2
CO4	3	3	3	2	2	1	1	1	1	2	3	1	3	2	2
CO5	3	3	3	3	2	1	1	1	1	2	3	2	3	3	2

S-Strong (3)

M-Medium(2)

L-Low(1)

**SENGAMALA THAYAR EDUCATIONAL TRUST WOMEN'S COLLEGE
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SUNDARAKKOTTAI, MANNARGUDI -614016.

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**DEPARTMENT OF FASHION TECHNOLOGY
B.Sc., FASHION TECHNOLOGY AND COSTUME DESIGNING**

Semester: II – AP-II Pattern Making Practical

Ins. Hrs. / Week: 3

Course Credit:3

Course Code: U26AFT204P

COURSE OBJECTIVES:

1. To understand fabric grain, fabric layout and pattern marking techniques.
2. To acquire skills in taking body measurements and drafting basic bodice, sleeve and skirt patterns.
3. To gain knowledge of stay stitching, draping and dart manipulation techniques.
4. To familiarize students with commercial patterns, pattern grading and garment fitting.
5. To enhance skills in basic garment alteration and pattern making.

PRACTICAL CONTENT:

- Identification of fabric grain.
- Straightening of fabric grain.
- Preparation of pattern layouts.
- Transfer of pattern markings.
- Practice of stay stitching techniques.
- Taking of body measurements.
- Drafting of a basic bodice.
- Drafting of a basic sleeve.
- Drafting of a basic skirt.
- Practice of basic draping techniques.
- Dart manipulation by the Pivot Method.
- Dart manipulation by the Slash-and-Spread Method.
- Analysis and use of commercial patterns.
- Basic pattern grading.
- Garment fitting and basic alterations.

COURSE OUTCOMES:

The students will be able to

1. Demonstrate knowledge of fabric grain, layout planning and pattern marking techniques used in pattern making.
2. Take accurate body measurements and draft basic bodice, sleeve and skirt patterns.
3. Demonstrate stay stitching, draping and dart manipulation techniques in pattern development.
4. Use commercial patterns and perform basic pattern grading and garment fitting procedures.
5. Perform basic garment alterations and apply pattern making skills for proper garment fitting.
6. Develop basic garment patterns and apply pattern making techniques for garment construction and fit improvement.

TEXT BOOK(S)

1. Assemblil,2024. "How Patterns Work: The Fundamental Principles of Pattern Making and Sewing in Fashion Design." Second Edition. Assemblil Books.
2. Barnfield,J.& Richards,A.,2024. "The Essential Guide to Pattern Making."First Edition.Search Press.
3. Khan,M.Q.,Nawab,Y.and Kim, I.S.,2024. "Garment Sizing and Pattern Making." First Edition. Springer Nature.
4. Manglik,R.,2023. "Pattern Development and Garment Construction."First Edition. EduGorilla Publication.
5. Smith,A.,2024. "The Tailoring Book: Measuring,Cutting,Fitting,Altering and Finishing." First Edition. DK Publishing.

REFERENCE BOOK(S)

1. Cole,J.,2025. "Patternmaking with Stretch Knit Fabrics." Second Edition. Bloomsbury Academic.
2. Geršak,J.,2022."Design of Clothing Manufacturing Processes: A Systematic Approach to Developing, Planning and Control." Second Edition. Woodhead Publishing.
3. Jennings, T., 2022."The Fashion Design Toolkit: 18 Patternmaking Techniques for Creative Practice." Illustrated Edition. Bloomsbury Academic.
4. Donnanno,A.,2021. "Fashion Patternmaking Techniques."First Edition. Promopress Publications.
5. Mitchell, A., 2024."Advances in Sewn Product Technology." First Edition. CRC Press.

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4. www.fitnyc.libguides.com
5. www.egyankosh.ac.in
6. www.fashion-incubator.com
7. www.textilelearner.net
8. www.tukatech.com
9. www.craftsy.com
10. www.fibre2fashion.com
11. www.ncert.nic.in

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5
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CO2	3	3	3	2	2	1	1	1	1	2	3	1	3	2	1
CO3	3	3	3	3	2	1	1	1	1	2	3	2	3	3	2
CO4	3	3	3	3	2	1	1	1	1	2	3	2	3	3	2
CO5	3	3	3	3	2	1	1	1	1	2	3	2	3	3	2

S-Strong (3)

M-Medium(2)

L-Low(1)

**SENGAMALA THAYAAR EDUCATIONAL TRUST WOMEN'S COLLEGE
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SUNDARAKKOTTAI, MANNARGUDI -614016.

(For the candidate admitted in the academic year 2026-2027)

DEPARTMENT OF FASHION TECHNOLOGY

B.Sc., FASHION TECHNOLOGY AND COSTUME DESIGNING

Semester: II –SEC-I: Surface Embellishment-I and Surface Embellishment-II Practical

Ins. Hrs. / Week:2 Course Credit:2 Course Code:U26SEFT21

COURSE OBJECTIVES:

- To develop proficiency in basic and advanced hand embroidery stitches.
- To cultivate creativity in decorative surface embellishment techniques.
- To enhance artistic skills in bead work, ribbon embroidery, mirror work and Zardosi work.
- To provide technical knowledge in appliqué, patch work and quilting methods.
- To create aesthetically embellished fabric samples with professional finishing techniques.

Practical Content:

I- Basic Hand Stitches

1. Running Stitch – Whipped Running Stitch, Threaded Running Stitch
2. Hemming Stitch
3. Back Stitch – Whipped Back Stitch, Threaded Back Stitch

II-Basic Embroidery Stitches

1. Chain Stitch – Magic Chain Stitch
2. Buttonhole Stitch
3. Stem Stitch
4. Lazy Daisy Stitch – Lazy Daisy with Straight Stitch
5. Satin Stitch – Slanting Satin Stitch

III- Advanced Embroidery Stitches

1. French Knot
2. Bullion Knot
3. Feather Stitch – Double Feather Stitch, Closed Feather Stitch
4. Herringbone Stitch – Threaded Herringbone Stitch
5. Cross Stitch

IV-Surface Embroidery Techniques

1. Bead Work
2. Sequin Work
3. Ribbon Embroidery
4. Mirror Work
5. Zardosi Work
6. Filling Stitch
7. Cut Work

V- Appliqué and Patch Work

1. Appliqué Work
2. Simple and Geometric Patch Work
3. Crazy Patch Work
4. Quilting

VI – Smocking Techniques

1. French Smocking (Any Three Types)
2. Chinese Smocking
3. Preparation of Decorative Smocking Samples

COURSE OUTCOMES:

The students will be able to

1. Demonstrate basic and advanced hand embroidery stitches with precision and creativity.
2. Apply decorative surface embroidery techniques such as bead work, ribbon embroidery, mirror work, and Zardosi work.
3. Develop aesthetically embellished samples using appliqué, patch work, and quilting techniques.
4. Select suitable stitches and embellishment methods for fabric decoration and fashion enhancement.
5. Create innovative surface designs with professional finishing and artistic presentation skills.

TEXT BOOK(S)

1. Brandeis, S., 2023. "The Cumulative Cloth: Wet Techniques – A Guide to Fabric Color, Pattern, Construction and Embellishment." First Edition. Schiffer Publishing.
2. Doyle, R., 2023. "Raised Embroidery: Techniques and Projects." First Edition. The Crowood Press.
3. Gupta, D., Majumdar, A. and Gupta, S., 2024. "Functional Textiles and Clothing." First Edition. Springer Nature.
4. Manglik, R., 2023. "Surface Ornamentation Techniques." First Edition. EduGorilla Publication.
5. Midha, V.K. Figueiro, R. and Rajendran, S., 2025. "Emerging Trends in Traditional and Technical Textiles." First Edition. Springer Nature.

REFERENCE BOOK(S)

1. Bennett, J., 2024. "Modern Hand Embroidery and Surface Decoration." First Edition. Search Press.
2. Clarke, H., 2023. "Creative Textile Embellishment Techniques." First Edition. Bloomsbury Publishing.
3. Edwards, M., 2022. "Contemporary Beadwork and Fabric Embroidery." First Edition. Thames and Hudson.
4. Robinson, L., 2024. "Decorative Needlecrafts for Fashion and Textiles." First Edition. Routledge Publications.
5. Sharma, P., 2023. "Traditional Indian Embroidery and Surface Ornamentation." First Edition. CBS Publishers & Distributors.

E-RESOURCES

1. <https://practicaembroidery.eu/running-stitch-tutorial/>
2. <https://practicaembroidery.eu/back-stitch-embroidery-tutorial/>
3. <https://www.wikihow.com/Sew-a-Hem-by-Hand>
4. <https://practicaembroidery.eu/chain-stitch-hand-embroidery-tutorial/>
5. <https://practicaembroidery.eu/buttonhole-stitch-tutorial/>
6. <https://practicaembroidery.eu/stem-stitch-tutorial/>
7. www.fibre2fashion.com
8. www.mrxstitch.com
9. www.embroidery.rocksea.org
10. www.thesprucecrafts.com

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	2	2	2	1	1	1	1	2	3	2	3	3	1
CO2	3	3	3	2	2	1	1	1	1	2	3	2	3	3	2
CO3	3	3	3	2	2	1	1	1	1	2	3	2	3	3	2
CO4	3	3	3	3	2	1	1	1	1	2	3	2	3	3	2
CO5	3	3	3	3	3	2	1	1	1	3	3	3	3	3	3

S-Strong (3)

M-Medium(2)

L-Low(1)

**SENGAMALA THAYAAR EDUCATIONAL TRUST WOMEN'S COLLEGE
(AUTONOMOUS)**



SUNDARAKKOTTAI, MANNARGUDI -614016.

(For the candidate admitted in the academic year 2026-2027)

DEPARTMENT OF FASHION TECHNOLOGY

B.Sc., FASHION TECHNOLOGY AND COSTUME DESIGNING

Semester: II –IDC-II Fabric Enhancement Techniques

Ins. Hrs. / Week:2

Course Credit:2

Course Code:U26FTID22

COURSE OBJECTIVES:

- To provide knowledge on various fabric enhancement and surface decoration techniques.
- To develop practical skills in fabric painting, printing and decorative embroidery methods.
- To enable students to apply fabric manipulation techniques for apparel and home textile products.
- To enhance creativity and aesthetic sense in fabric embellishment and ornamentation.
- To create awareness about sustainable and eco-friendly fabric enhancement practices.

UNIT – I: Introduction to Fabric Enhancement Techniques

(6 Hours)

Definition, importance and scope of fabric enhancement. Classification of fabric enhancement techniques. Traditional and modern fabric decoration methods. Selection of suitable fabrics, tools, colours and accessories for surface embellishment. Principles of colour combinations and design application in fabric enhancement.

UNIT – II: Fabric Painting and Printing Techniques

(6 Hours)

Introduction to fabric painting and printing. Types of fabric paints and brushes. Techniques of stencil printing, block printing, sponge printing and tie-and-dye. Colour application methods and finishing techniques. Preparation of simple painted and printed fabric samples.

UNIT – III: Decorative Embroidery and Surface Ornamentation

(6 Hours)

Basic embroidery stitches and decorative applications. Surface ornamentation using mirror work, bead work, sequin work and appliqué work. Decorative trims and lace attachment techniques. Development of creative fabric embellishment samples.

UNIT – IV: Fabric Manipulation Techniques

(6 Hours)

Fabric manipulation – introduction and importance. Pleating, smocking, quilting, tucking, gathering and frill-making techniques. Preparation of manipulated fabric samples for garments and home textiles. Contemporary applications of manipulated fabrics in fashion.

UNIT – V: Sustainable and Contemporary Fabric Enhancement

(6 Hours)

Eco-friendly fabric decoration techniques. Use of recycled and sustainable materials for embellishment. Contemporary trends in fashion surface ornamentation. Digital textile embellishment and innovative decorative techniques. Entrepreneurship opportunities in fabric enhancement, surface ornamentation, and boutique management.

UNIT – VI: Current Contours (For Continuous Internal Assessment Only)

Hands-on training in fabric enhancement techniques. Preparation of creative fabric samples using different embellishment methods. Assignment on sustainable fabric decoration practices. Seminar on recent trends in surface ornamentation and fashion embellishment. Industrial visit to a boutique, textile printing unit, or embroidery unit.

Total Lecture Hours -30

COURSE OUTCOMES:

The students will be able to

1. Explain the concepts, importance and applications of fabric enhancement techniques.
2. Demonstrate fabric painting, printing and decorative surface ornamentation techniques.
3. Apply embroidery and embellishment methods for value addition in garments and textile products.
4. Develop creative fabric manipulation samples using different decorative techniques.
5. Analyze contemporary and sustainable fabric enhancement practices for fashion and entrepreneurial applications.
6. Develop innovative and aesthetically appealing fabric enhancement products using traditional and modern embellishment techniques.

TEXT BOOK(S)

1. Donnanno,A.,2021."Fashion Patternmaking Techniques for Surface Design." First Edition. Promopress Publications.
2. Gohl, E.P.G. & Vilensky, L.D., 2019."Textile Science." Eighth Edition. CBS Publishers and Distributors.
3. Mary, M.,2022."Creative Surface Decoration." First Edition. Batsford Publications.
4. Naik,S.D.,2021."Traditional Embroideries of India." Revised Edition.APH Publishing Corporation.
5. Pellow, D.,2020."The Complete Book of Embroidery." Second Edition. Search Press Publishing.

REFERENCE BOOK(S)

1. Christen,A.,2022."Modern Embroidery Workshop." First Edition.Quarto Publishing Group.
2. Patel,M., 2023."Fashion Embroidery and Surface Ornamentation." First Edition. Woodhead Publishing.
3. Singh,K.,2024."Traditional and Modern Textile Decoration Techniques." First Edition. CBS Publishers & Distributors.
4. Smith,A.,2021."The Embroidery Book:Visual Resource for Creative Stitching." First Edition. DK Publishing.
5. Wellesley, K.,2022."Contemporary Surface Embellishment." First Edition. Bloomsbury Academic.

E-RESOURCES

1. <https://swayam.gov.in/>
2. <https://www.textilelearner.net/>
3. <https://sewguide.com/>
4. <https://practicalembroidery.eu/>
5. <https://www.fibre2fashion.com/>
6. <https://textiletoday.com.bd/>
7. www.nptel.ac.in
8. www.swayam.gov.in
9. www.textilelearner.net

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5
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CO2	3	3	3	2	2	1	1	1	1	2	3	2	3	3	2
CO3	3	3	3	2	2	1	1	1	1	2	3	2	3	3	2
CO4	3	3	3	3	2	1	1	1	1	2	3	2	3	3	2
CO5	3	3	3	3	2	1	1	2	3	3	3	2	3	3	3

S-Strong (3)

M-Medium(2)

L-Low(1)