

B.Sc., FASHION TECHNOLOGY AND COSTUME DESIGNING

Course Structure with Syllabus

PROGRAMME CODE: 3USFAT

2024-2025



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

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

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

COURSE STRUCTURE



SENGAMALA THAYAAR EDUCATIONAL TRUST WOMEN'S COLLEGE
(AUTONOMOUS)

(Affiliated to Bharathidasan University- Tiruchirappalli)
Accredited by NAAC-An ISO 9001:2015 Certified Institution
SUNDARAKKOTTAI- MANNARGUDI-614016.
TAMILNADU- INDIA.

B.Sc.- FASHION TECHNOLOGY AND COSTUME DESIGNING
CHOICE BASED CREDIT SYSTEM- LEARNING OUTCOME BASED
CURRICULUM FRAME WORK (CBCS-LOCF)
(For the candidates admitted in the academic year 2024-2025)

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.

Core Courses (CC) A course- which should compulsorily be studied by a candidate as a core requirement is termed as a Core course. These are the courses which provide basic understanding of their main discipline. In order to maintain a requisite standard certain core courses must be included in an academic program. This helps in providing a universal recognition to the said academic program.

Discipline Specific Elective Courses (DSE) Elective course may be offered by the main discipline/subject of study is referred to as Discipline Specific Elective (DSE). These courses offer the flexibility of selection of options from a pool of courses. These are considered specialized or advanced to that particular programme and provide extensive exposure in the area chosen; these are also more applied in nature.

Generic Elective Courses An elective course chosen generally from an **unrelated discipline/subject-** with an intention to seek exposure is called a Generic Elective. Generic Elective courses are designed for the students of **other disciplines**. Thus- as per the CBCS policy- the students pursuing particular disciplines would have to opt Generic Elective courses offered by other disciplines- as per the basket of courses offered by the college. The scope of the Generic Elective (GE) Courses is positively related to the diversity of disciplines in which programmes are being offered by the college.

Non Major Elective (NME). A student shall choose at least two Non - major Elective Courses (NME) from outside his /her department. Non -Major Elective I - Those who choose Tamil in Part

I can choose a non-major elective course offered by other departments. Those who do not choose Tamil in Part I must choose either a) Basic Tamil if Tamil language was not studied in school level or b) Special Tamil if Tamil language was studied up to 10th & 12th std.

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.

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.

Undergraduate Programme:

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

Part -I : Languages (Tamil / Hindi / French / Sanskrit)

Part-II : General English

Part-III: Core Course (Theory- Practicals- Generic Elective courses- Discipline Specific Elective courses- Compulsory and Optional Allied courses- Project)

Part-IV: Non Major Elective- Foundation Course- Value Education- Environmental studies- Skill Enhancement Courses/ Soft Skills- Internship / field visit / industrial visit/ Case Study)- Professional Competency Course

Part -V

Special Course-Health &Wellness- Extension activity- Gender studies

EXAMINATION

Continuous Internal Assessment (CIA):

UG - Distribution of CIA Marks

Passing Minimum: 40 %

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

Question Paper Pattern

Part A:

Part A 1 (10X1=10 marks)

One word question/ Fill in/ True or False/ Multiple Choice Questions Two Questions from Each unit

Part A 2 (5X2=10 marks)

Match the following
Short Answers

One question from Each unit

Total Marks - 20

Part B: (5X5=25 marks)

Paragraph Answers

Either/ or type- One Question from each unit

Part C: (10X3=30)

Essay Type Answers

Answer 3 out of 5 Questions

One Question from each unit

Part A: K1 Level

Part B: K2- K3 and K4 Level

Part 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/Analysing	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	25			30		75
Continuous Internal Assessment (CIA)	20	25			30		75

QUESTION PATTERN FOR END SEMESTER EXAMINATION/Continuous Internal Assessment		
PART		MARKS
PART -A I. (No choice -One Mark) TWO questions from each unit	(10x1 =10)	20
II. (No choice -Two Mark) ONE question from each unit	(5x2 =10)	
PART -B (Either/ or type -5-Marks) ONE questions from each unit	(5x5 =25)	25
PART -C (3 out of 5) (10 Marks) ONE question from each unit	(3x10 =30)	30
Total		75

BLUE PRINT OF QUESTION PAPER FOR END SEMESTER EXAMINATION							
DURATION: 3. 00 Hours.				Max Mark : 75			
K- LEVELS	K1	K2	K3	K4	K5	K6	Total Marks
PART							
PART -A (One Mark- No choice) (10x1 =10)	10						10
(2-Marks- No choice) (5x2=10)	10						10
PART -B (5- Marks) (Either/or type) (5x5=25)		5	10	10			25
PART -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	05	10	10	20	10	75

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:

$GPA = \frac{\sum_{i=1}^n C_i G_i}{\sum_{i=1}^n C_i}$	$WAM \text{ (Weighted Average Marks)} = \frac{\sum_{i=1}^n C_i M_i}{\sum_{i=1}^n C_i}$
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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 pervious semester /s is indicated by **Cumulative Grade Point Average (CGPA)**.

Table-3: 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 Goodll.

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
COURSE STRUCTURE UNDER CHOICE BASED CREDIT SYSTEM - LEARNING
OUTCOME BASED CURRICULUM FRAMEWORK (CBCS - LOCF)

(For the candidates admitted from the academic year 2024-2025)

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

Sem	Part	Nature of the Course	Course Code	Title of the Course	Ins. Hours/ Week					Credit	Exam Hours	Marks		Total
						L	T	P	S			CIA	ESE	
I	I	Language Course-I	U24LC101	Pothu Tamil - I Tamil Elakkiya Varalaru-I	6	5	1	-	-	3	3	25	75	100
	II	English Language Course-I	U24ELC101	General English - I	6	5	1	-	-	3	3	25	75	100
	III	Core Course-I	U24FT101	Introduction to Fashion Designing	5	4	1	-	-	5	3	25	75	100
		Core Practical I	U24FT102P	Fashion Designing (P)	4	-	-	4	-	4	3	25	75	100
		Allied Course-I	U24AFT101	Textile Science	3	2	1	-	-	2	3	25	75	100
		Allied Practical I	U24AFT102P	Fashion Illustration (P)	2	-	-	2	-	-	-	-	-	-
	IV	Non Major Elective -I			2	1	1	-	-	2	3	25	75	100
		Foundation Course	U24FCFT11	Basics of Home Science	2	1	1	-	-	2	3	25	75	100
		TOTAL			30	18	6	6	-	21	-	-	-	700
II	I	Language Course- II	U24LC202	Pothu Tamil - II Tamil Elakkiya Varalaru-II	6	5	1	-	-	3	3	25	75	100
	II	English Language Course-II	U24ELC202	General English - II	6	5	1	-	-	3	3	25	75	100
	III	Core Course-II	U24FT203	Pattern Making Techniques	5	4	1	-	-	5	3	25	75	100
		Core Practical -II	U24FT204P	Sewing Techniques (P)	4	-	-	4	-	4	3	25	75	100
		Allied Course-II	U24AFT203	Fashion Clothing & Psychology	3	2	1	-	-	2	3	25	75	100
		Allied Practical -I	U24AFT102P	Fashion Illustration (P)	2	-	-	2	-	2	3	25	75	100
	IV	Non Major Elective -II			2	1	1	-	-	2	3	25	75	100
		Skill Enhancement Course-I	U24SEFT21	Surface Embellishment-I	2	1	1	-	-	2	3	25	75	100
		TOTAL			30	18	6	6	-	23	-	-	-	800
III	I	Language Course- III	U24LC303	Pothu Tamil - III Tamilaga Varalarum Panpadum-III	6	5	1	-	-	3	3	25	75	100
	II	English Language Course-III	U24ELC303	General English - III	6	5		-	-	3	3	25	75	100
	III	Core Course-III	U24FT305	Garment Manufacturing Techniques	4	3			-	4	3	25	75	100
		Core Practical- III	U24FT306P	Garment Construction for Children's Wear (P)	4	-	-	4	-	4	3	25	75	100
		Allied Course-III	U24AFT304	Fabric Structure and Design	2	1	1	-	-	2	3	25	75	100
		Allied Practical -II	U24AFT305P	Fabric Structure and Design & Wet processing (P)	2	-		2	-	--	--	--	--	--
	IV	Skill Enhancement Course -II	U24SEFT32P	Surface Embellishment-II (P)	2	1	-	1	-	2	3	25	75	100
		Skill Enhancement Course -III	U24SEFT33P	Fashion Draping (P)	2	1		1	-	2	3	25	75	100
	V	Special Course	24UGSC	Health and Wellness	2	-	-	2	-	1	-	-	-	-
		TOTAL			30	16	4	10	-	21	-	-	-	700
IV	I	Language Course - IV	U24LC404	Pothu Tamil-IV Tamilum Ariviyalum-IV	6	5	1	-	-	3	3	25	75	100
	II	English Language Course-IV	U24ELC404	General English-IV	6	5	1	-	-	3	3	25	75	100
		Core Course-IV	U24FT407	Heritage of Textiles and Costumes	5	4	1	-	-	5	3	25	75	100

Sem	Part	Nature of the Course	Course Code	Title of the Course	Ins. Hours/ Week	Ins. Hours/ Week				Credit	Exam Hours	Marks		Total
						L	T	P	S			CIA	ESE	
	III	Core Practical IV	U24FT408P	Garments Construction for Women’s Wear (P)	4	-	-	4	-	4	3	25	75	100
		Allied Course-IV	U24AFT406	Wet Processing	3	2	1	-	-	2	3	25	75	100
		Allied Practical - II	U24AFT305P	Fabric Structure and Design & Wet Processing (P)	2	-	-	2	-	2	3	25	75	100
	IV	Skill Enhancement Course-IV	U24SEFT44P	Portfolio Presentation (P)	2	1	-	1	-	2	3	25	75	100
		Skill Enhancement Course -V	U24SEFT45P	CAD in Fashion Design (P)	2	1	-	1	-	2	3	25	75	100
			TOTAL			30	18	4	8	-	23	-	-	-
	III	Core Course-V	U24FT509	Fundamentals of Technical Textiles	6	5	1	-	-	5	3	25	75	100
		Core Course-VI	U24FT510	Knitting	5	4	1	-	-	5	3	25	75	100
		Core Course-VII	U24FT511	Garment Quality and Cost Control	5	4	1	-	-	4	3	25	75	100
		Core Practical - V	U24FT512P	Garment Construction for Men’s Wear (P)	4	-	-	4	-	4	3	25	75	100
		Elective Course-I	U24FTE51A/ U24FTE51B/ U24FTE51C	Fashion Marketing and Merchandising/ National and International Marketing/ Fashion Management	4	3	1	-	-	3	3	25	75	100
		Elective Course-II	U24FTE52A/ U24FTE52B/ U24FTE52C	Cosmetology/ Home Textiles/ Protective Garments	4	3	1	-	-	3	3	25	75	100
	IV	Environmental Studies	24UGCES	Environmental Studies	2	2	-	-	-	2	3	25	75	100
		Internship/Industrial visit/Field visit	U24FTI51	Internship/Industrial Visit/Field Visit	-	-	-	-	-	2	-	-	-	-
				TOTAL			30	21	5	4	-	28	-	-
	VI	III	Core Course-VIII	U24FT613	Textile Testing	6	5	1	-	-	4	3	25	75
Core Practical - VI			U24FT614P	Textile Testing (P)	6	-	-	6	-	4	3	25	75	100
Core Project			U24FTPW	Project with Viva- Voce/ Group Project	5	-	1	4	-	5	3	25	75	100
Elective Course-III			U24FTE63A/ U24FTE63B/ U24FTE63C	Boutique Management/ Visual Merchandising/ Fabric Care	4	3	1	-	-	3	3	25	75	100
Elective Course-IV			U24FTE64A/ U24FTE64B/ U24FTE64C	Export Trade and Documentation/ Apparel Entrepreneurship/ Clothing Comfort	4	3	1	-	-	3	3	25	75	100
IV		Value Education	24UGVED	Value Education	2	2	-	-	-	2	3	25	75	100
		Professional Competency Course	U24PCFT61	Aptitude and Reasoning Skills for Competitive Examinations	2	2	-	-	-	2	3	25	75	100
V		Gender Studies	24UGGS	Gender Studies	1	1	-	-	-	1	3	25	75	100
		Extension activity		Extension Activity	-	-	-	-	-	1	-	-	-	-
		TOTAL			30	16	4	10	-	25	-	-	-	800
GRAND TOTAL					180	107	29	44	-	141	-	-	-	4500
Extra Credit				Value Added Courses (At least One / Year)	-	-	-	-	-	2	-	-	-	-

L-Lecture

T-Tutorial

P-Practical

S-Seminar

Credit Distribution for B.Sc.- Fashion Technology and Costume Designing

S.No	Part	Subject	No. of Courses	Total Credits
1.	I	Language Course	4	12
2.	II	English Language Course	4	12
3.	III	Core Course -Theory	8	37
4.		Core Practical	6	24
5.		Core Project	1	05
6.		Allied Course-Theory	4	08
7.		Allied Course Practical	2	04
8.		Elective Course	4	12
9.	IV	Non-Major Elective	2	04
10.		Foundation Course	1	02
11.		Skill Enhancement Course	5	10
12.		Internship/ Industrial visit/ Field visit	1	02
13.		Environmental Studies	1	02
14.		Value Education	1	02
15.		Professional Competency Course	1	02
16.	V	Special Course	1	01
17.		Gender Studies	1	01
		Extension Activity	1	01
Total			48	141

Note:

		CIA	ESE
1	Theory	25	75
2	Practical	25	75
3	Separate passing minimum is prescribed for Internal and External marks		

FOR THEORY

The passing minimum for CIA shall be 40% out of 25 marks [i.e. 10 marks]

The passing minimum for University Examinations shall be 40% out of 75 marks [i.e. 30 marks]

FOR PRACTICAL

The passing minimum for CIA shall be 40% out of 25 marks [i.e. 10 marks]

The passing minimum for University Examinations shall be 40% out of 75 marks [i.e. 30 marks]

NON MAJOR ELECTIVE (NME) OFFERED BY THE DEPARTMENT

Semester	Part	Course	Course Code	Title of the Course
I	IV	NME-I	U24NMEFT11	Basics of Fashion
II		NME-II	U24NMEFT22	Basics of Textiles

SEMESTER-V

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



SUNDARAKKOTTAI- MANNARGUDI -614016.

(For the candidate admitted in the academic year 2024-2025)

DEPARTMENT OF FASHION TECHNOLOGY

B.Sc., FASHION TECHNOLOGY AND COSTUME DESIGNING

Semester: V- CC-V-Fundamentals of Technical Textiles

Ins. Hrs./Week:6

Course Credit :5

Course Code:U24FT509

UNIT-I: Technical Textile

(18 Hours)

Introduction – definition, scope, classification and growth of technical textiles. Technical fabric structures – woven, non-woven, knitted, braided and composite structures. Fibre requirements for technical textiles. Properties of technical textiles – mechanical, physical, thermal and functional properties. Applications of technical textiles.

UNIT-II: Medical and Survival Textiles

(18 Hours)

Introduction to medical textiles. Non-implantable materials, implantable materials, healthcare and hygiene textiles, and extracorporeal devices. Surgical textiles, wound care products, artificial organs and prosthetic materials. Survival textiles – textiles for tents, helmets, gloves, sleeping bags, survival bags, survival suits and protective clothing.

UNIT -III :Textiles in Transportation and Geo Textiles

(20 Hours)

Introduction to transportation textiles. Textiles used in automobiles, road vehicles, railways, aircraft and marine applications. Geotextiles – definition, classification and essential properties. Functions of geotextiles – separation, filtration, reinforcement, drainage and protection. Applications of geotextiles in road construction, erosion control, drainage and soil stabilization. Use of vegetable fibres and natural fibres for geotextiles and soil strengthening.

UNIT-IV: Textiles in Defence

(20 Hours)

Defence textiles – textiles for environmental protection, thermal insulation materials, camouflage, concealment and deception. Flame-resistant and heat-protective textiles. Ballistic protective materials and body armour. Protection against biological, chemical and nuclear hazards. Insect-repellent textiles and advanced protective clothing for defence personnel. High-performance fibres used in defence textiles.

UNIT-V: Textile and Environment

(14 Hours)

Introduction to environmental issues in the textile industry. Degradation, resource depletion and pollution. Textile sources of pollution – air, water and solid waste pollution. Environmental impacts of textile processing. Environmental harm reduction strategies, waste management, recycling and sustainable textile practices. Future prospects of eco-friendly and circular textiles.

Total Lecture Hours- 90

COURSE OUTCOME:

The students will be able to

1. Explain the concept, classification, structure, properties and applications of technical textiles.
2. Describe the materials, characteristics, applications of medical and survival textiles.
3. Analyze the functions, applications of transportation textiles and geotextiles in various sectors.
4. Examine the performance requirements, protective functions of defence textiles and advanced protective materials.
5. Evaluate the environmental impact of textile industries, recommend sustainable practices for environmental protection and resource conservation.

TEXT BOOK(S)

1. Horrocks, A.R. & Anand, S.C. 2024, "Handbook of Technical Textiles", Third Edition, Woodhead Publishing. ISBN: 9780443158748.
2. Maity, S., Singha, K. & Pandit, P. 2023. Functional and Technical Textiles. First Edition. Woodhead Publishing. ISBN: 9780323916888.
3. Mondal, M. I. H. 2021. Fundamentals of Natural Fibres and Textiles. First Edition. Woodhead Publishing. ISBN: 9780128214837.
4. Muthu, S. S. 2023. Sustainable Innovations in Technical Textiles. First Edition. Springer Nature. ISBN: 9783031380255.
5. Sinclair, R. 2021. Textiles and Fashion: Materials, Design and Technology. Second Edition. Woodhead Publishing. ISBN: 9780081028670.

REFERENCE BOOK(S)

1. Adanur, S. 2017. "Wellington Sears Handbook of Industrial Textiles", Second Edition. CRC Press. ISBN: 9781138191750.
2. Muthu, S.S. 2021. "Green Chemistry for Sustainable Textiles". First Edition. Woodhead Publishing. ISBN: 9780128219818.
3. Rangappa, S. M., Madhu, P., Jyotishkumar, P., Siengchin, S. & Gorbatyuk, S.M. 2021. "Advances in Bio-Based Fibre: Moving Towards a Green Society". First Edition. Woodhead Publishing. ISBN: 9780128245435.
4. Scott, R.A. 2022 "Textiles for Protection". Second Edition. Woodhead Publishing. ISBN: 9780323859178.
5. Shahid, M. & Adivarekar, R. 2021. "Applications of Biotechnology for Sustainable Textile Production". First Edition. Woodhead Publishing. ISBN: 9780128241451.

E- RESOURCES

1. <https://textilelearner.net/technical-textiles/>
2. <https://www.fibre2fashion.com/industry-article/technical-textiles>
3. <https://www.textileschool.com/technical-textiles/>
4. <https://ittaindia.org/>
5. <https://texmin.nic.in/technical-textiles/>

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	2	1	2	2	2	3	2	2	2	2
CO2	3	3	2	2	2	2	1	2	2	2	3	2	3	2	2
CO3	3	3	3	2	2	2	1	2	3	2	3	2	3	2	2
CO4	3	3	2	2	2	2	2	3	2	2	3	2	2	3	3
CO5	2	3	3	2	2	2	2	3	3	3	2	2	3	2	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 2024-2025)

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

Semester: V- CC-VI-Knitting	Ins. Hrs./Week:5	Course Credit :5	Course Code:U24FT510
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UNIT-I: Knitting and Knitted Fabrics (15 Hours)

Introduction to knitting and knitted fabrics. Difference between knitted and woven fabrics. Classification of knitted fabrics. Advantages and limitations of knitted fabrics. Characteristics and end uses of knitted fabrics. Indian knitting industry – past, present and future trends.

UNIT -II: Types of Knitting and Knitting Fundamentals (15 Hours)

Types of knitting – hand knitting, weft knitting and warp knitting. Terms used in knitting. Introduction and comparison of weft and warp knitting. Parts and functions of weft and warp knitting machines. Yarn requirements for knitting. Loop formation and loop geometry. Basic calculations used in knitting

UNIT-III: Knit Structures and Fabric Design (15 Hours)

Knit structures – classification of knit structures. Weft knit structures – plain (single jersey), rib, purl, interlock, float, tuck and miss stitch structures. Design development of weft knit fabrics. Warp knit fabrics – introduction to warp knitting, warp knit structures, underlap, overlap, closed-lap and open-lap stitches. Fabric design and pattern development in knitted fabrics.

UNIT-IV : Knitting Machines and Fabric Defects (15 Hours)

Introduction and classification of knitting machines. Modern knitting machines and their applications. Weft knitting machines – flat bed, straight bar and circular knitting machines. Warp knitting machines – Raschel and Tricot machines. Knitted fabric defects – drop stitches, barre, streakiness, holes, contaminations, surface hairiness and pilling, dyeing patches, stains, colour fading, shade variations and excessive shrinkage. Causes and remedies for knitted fabric defects.

UNIT-V: Garment Manufacturing and Product Development (15 Hours)

Knitted garment manufacturing – marker planning, spreading, cutting, stitching, checking, quality control, pressing, packing, final inspection and shipping. Knitwear garment design and product development. Sampling techniques. Quality requirements in knitwear production. Recent developments and innovations in knitwear manufacturing.

Total Lecture Hours- 75

COURSE OUTCOME:

The students will be able to

1. Explain the fundamentals of knitting and knitted fabrics.
2. Describe the types of knitting, knitting terminology, machines and basic calculations.
3. Analyze the various knit structures and develop knitted fabric designs.
4. Identify the knitting machines and evaluate common fabric defects.
5. Apply the garment manufacturing and product development techniques in knitwear production.

TEXT BOOK(S)

1. Chandrasekhar, I. 2017. "Knitting Fundamentals: Machines and Structures." First Edition. New Age International Publishers. ISBN: 9788122432974.
2. Henshaw, D. B. 1982. "Modern Flat Knitting Technology." First Edition. Textile Trade Press.
3. Ray, S. C. 2012. "Fundamentals and Advances in Knitting Technology." First Edition. Woodhead Publishing India Pvt. Ltd. ISBN: 9780857090917.
4. Spencer, D. J. 2001. "Knitting Technology: A Comprehensive Handbook and Practical Guide." Third Edition. Woodhead Publishing. ISBN: 9781855733714.
5. Talukdar, M. K., Sriramulu, P. K. & Ajgaonkar, D. B. 2010. "Weaving and Knitting Technology." First Edition. Mahajan Publishers. ISBN: 9788177421015.

REFERENCE BOOK(S)

1. Brackenbury, T. 1992. "Knitted Clothing Technology." First Edition. Blackwell Scientific Publications, Oxford, United Kingdom. ISBN: 9780632021792.
2. Choi, K. F. & Lo, T. Y. 2020. "Knitting and Knitwear Design: From Fundamentals to Fashion Applications." First Edition. CRC Press, Boca Raton, Florida. ISBN: 9780367223609.
3. Munden, D. L. & Anand, S. C. 2021. "Advances in Knitting Technology." First Edition. Woodhead Publishing, Cambridge, United Kingdom. ISBN: 9780128216602.
4. Ray, S. C. 2012. "Fundamentals and Advances in Knitting Technology." First Edition. Woodhead Publishing India Pvt. Ltd., New Delhi. ISBN: 9780857090917.
5. Spencer, D. J. 2001. "Knitting Technology: A Comprehensive Handbook and Practical Guide." Third Edition. Woodhead Publishing Limited, Cambridge, England. ISBN: 9781855733714.

E- RESOURCES

1. <https://www.perlego.com/book/1884036/knitting-technology-pdf>
2. <https://www.perlego.com/book/1831164/knitting-technology-a-comprehensive-handbook-and-actical-guide-pdf>
3. <https://www.perlego.com/book/1829540/advances-in-knitting-technology-pdf>
4. <https://www.overdrive.com/media/1528088/advances-in-knitting-technology>
5. <https://georgescreek.org/reading/fundamentals-and-advances-in-knitting-technology/>
6. www.knittingindustry.com
7. www.textileworld.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	2	1	2	1	1	2	2	2	3	2	2	1	2
CO2	3	3	2	2	2	2	1	2	2	2	3	2	3	2	2
CO3	3	3	3	2	2	2	1	2	2	2	3	2	3	3	2
CO4	3	3	3	2	2	2	1	3	2	2	3	2	2	3	3
CO5	3	3	3	2	3	3	2	3	3	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 2024-2025)

DEPARTMENT OF FASHION TECHNOLOGY

B.Sc., FASHION TECHNOLOGY AND COSTUME DESIGNING

Semester: V-CC-VII-Garment Quality and Cost Control

Ins. Hrs./Week:5

Course Credit :4

Course Code: U24FT511

UNIT-I Basics of Quality Control

(15 Hours)

Quality: Definition, importance and dimensions of quality, factors influencing quality, quality concepts and principles, quality assurance and quality control, Acceptable Quality Level (AQL), online and offline inspection procedures, benchmarking, quality control of raw materials and accessories, quality standards in apparel manufacturing.

UNIT -II: Quality Control System

(15 Hours)

Training of quality control personnel, quality standards and quality control systems, quality control inspection, procedures for processing, quality control of finished garments, quality control for packaging, warehousing and shipping, statistical quality control, and sampling plans. Apparel defects: minor, major, and critical defects.

UNIT-III: Basics of Production control

(15 Hours)

Concept and functions of production planning and control, production analysis, quality specifications, quantitative specifications, scope of apparel manufacturing activities, coordination of departmental activities, quality systems and documentation, production records and reporting systems, workflow management in apparel production.

UNIT-IV : Production Control System

(15 Hours)

Types of production control forms, basic production systems, principles for selecting production systems, supply chain management in apparel industry, flow process grids and charts, scheduling for manufacturing, line balancing, lean manufacturing, digital production monitoring systems, total quality management (TQM).

UNIT-V: Cost Control

(15 Hours)

Functions of cost control, types of costs and expenses, apparel manufacturing cost categories, sales cost control, purchasing cost control, production cost control, administrative cost control, manufacturing budget, cash flow control, standard cost sheet, cost reduction techniques in apparel manufacturing, break-even analysis.

Total Lecture Hours- 75

COURSE OUTCOME

The students will be able to

1. Understand the concepts and techniques of quality control in garment manufacturing.
2. Explain quality control systems, garment defects and statistical sampling methods.
3. Analyze production control functions and documentation in apparel manufacturing.
4. Evaluate production systems, scheduling techniques and total quality management practices.
5. Apply cost control techniques, budgeting methods and break-even analysis in garment production.

TEXT BOOK(S)

1. Bheda,R.2017.Managing Productivity in the Apparel Industry.First Edition.CBS Publishers and Distributors,New Delhi.ISBN: 9788123928377
2. Easwaran,G.and Gopalakrishnan,M.2020.Apparel Production Management and the Technical Package. First Edition.Woodhead Publishing,Cambridge. ISBN: 9780128197802
3. Glock,R.E.and Kunz,G.I.2019.Apparel Manufacturing: Sewn Product Analysis.Fifth Edition. Pearson Education,New York.ISBN:9780136069344
4. Juran,J. M.,De Feo, J. A. and Godfrey,A.B.2017.Juran's Quality Handbook:The Complete Guide to Performance Excellence.Seventh Edition.McGraw-Hill Education,New York.ISBN: 9781259643619
5. Rajput,R.K.2021.Industrial Engineering and Production Management.Third Edition.Laxmi Publications, New Delhi.ISBN: 9789381159282

REFERENCE BOOK(S)

1. Chuter,A.J.2016.Introduction to Clothing Production Management.Second Edition.Wiley-Blackwell, Oxford.ISBN:9781405173533.
2. Dickerson,K.G.2018.Inside the Fashion Business.Seventh Edition.Pearson Education,New York. ISBN:9780132722236.
3. Karthik,T.,Ganesan,P.andGopalakrishnan,D.2020.Apparel Manufacturing Technology. First Edition.CRC Press,Boca Raton.ISBN: 9781138339893.
4. Mukhopadhyay,A.2022.Advanced Apparel Manufacturing Technology.First Edition.Woodhead Publishing,Cambridge.ISBN: 9780323919179.
5. Phadke,M.S.2017.Quality Engineering Using Robust Design.First Edition.Pearson Education, New Delhi.

E- RESOURCES

1. <https://archive.org/details/apparelmanufactu0000gloc>
2. <https://books.google.com/books?id=hVM1AAAACAAJ>
3. <https://www.routledge.com/Apparel-Manufacturing-Technology/Karthik-Ganesan-Gopalakrishnan/p/book/9781138339893>
4. <https://www.woodheadpublishing.com/en/book/advanced-apparel-manufacturing-technology>
5. <https://archive.org/details/insidefashionbus0000jarn>

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	2	2	2	3	2	2	1	2
CO2	3	3	3	2	2	2	1	2	2	2	3	2	3	2	2
CO3	3	3	3	2	2	2	1	2	2	2	3	2	3	3	2
CO4	3	3	3	2	2	2	2	3	3	2	3	2	3	3	3
CO5	3	3	3	2	3	2	1	3	3	3	3	2	3	2	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 2024-2025)

DEPARTMENT OF FASHION TECHNOLOGY

B.Sc., FASHION TECHNOLOGY AND COSTUME DESIGNING

Semester: V-CP-V-Garment Construction for Men's Wear (P)

Ins. Hrs./Week:4

Course Credit :4

Course Code: U24FT512P

Contents:

Design, draft and construct the following garments with the prescribed features.

- Record the measurements required for each garment.
- Select suitable fabrics and materials.
- Estimate material requirements using layout method and direct measurement method.
- Calculate the cost of materials used.

Practical Contents in Men's Wear Garment Construction

- Slack Shirt - Collar, Patch Pocket and Half Sleeves.
- Full-Sleeve Shirt - Collar, Patch Pockets and Cuffs.
- T-Shirt - Front Half Opening, Zipper and Collar.
- Pyjama - Drawstring or Elastic Waistband with Fly Opening.
- Pleated Trousers - Front Pleats, Back Darts, Fly Front with Buttons or Zipper, Waistband with Adjustable Strap.
- Bell Bottom - Pleatless, Side Pockets, Fly Front with Zipper or Button.
- Jeans - Tight Fit, Jeans Cut, Front and Back Pockets.
- Kalidar Kurta - Kali Panels, Side Pockets, Round Neck and Half Opening.
- Nehru Kurta - Half Opening, Stand Collar, Full Sleeves, With or Without Pockets.

COURSE OUTCOME

The students will be able to

1. Identify men's wear measurements, suitable fabrics, material requirements and cost estimation methods.
2. Draft, cut and construct shirts and T-shirts using appropriate pattern-making and sewing techniques.
3. Develop patterns and construct trousers, bell bottoms, jeans and pyjamas using garment construction principles.
4. Design, draft and construct traditional men's garments
5. Apply garment layout techniques, finishing processes and quality standards in men's wear product development.

TEXT BOOK(S)

1. Aldrich, W. 2015. Metric Pattern Cutting for Menswear. Fifth Edition. Wiley-Blackwell, Oxford.
2. Crawford, C. 2012. The Art of Fashion Draping. Fourth Edition. Fairchild Publications, New York.
3. Joseph-Armstrong, H. 2014. Patternmaking for Fashion Design. Fifth Edition. Pearson Education, New York.
4. Reader's Digest Association. 2005. Complete Guide to Sewing. First Edition. The Reader's Digest Association, New York.

5. Zarapkar,K.R.2010.System of Cutting: Men's Garments.First Edition.Navneet Publications, Mumbai.

REFERENCE BOOK(S)

1. Cooklin,G.2005,Garment Technology for Fashion Designers.First Edition. Blackwell Publishing, Oxford.
2. Kershaw,G.2013.Pattern Cutting for Menswear.First Edition.Laurence King Publishing, London.
3. Knowles,L.2011.Practical Guide to Patternmaking for Fashion Designers:Menswear.First Edition.Fairchild Books,New York.
4. Müller,M.and Sohn,M.2019.Fundamentals of Menswear.Second Edition.Müller & Sohn, Munich.
5. Shaeffer,C.2001.Sewing for the Apparel Industry.First EditionPrentice Hall,New Jersey.

E- RESOURCES

1. www.fibre2fashion.com
2. www.textilelearner.net
3. www.threadsmagazine.com
4. www.apparelresources.com
5. www.fashion-incubator.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	3	1	1	3	1	3	2	3	3	3	3	2	3
CO2	3	3	2	1	1	3	2	3	2	3	3	3	3	2	3
CO3	3	3	1	1	1	3	1	3	2	3	3	3	3	2	3
CO4	2	3	2	2	2	3	2	3	2	3	3	2	3	2	3
CO5	2	3	2	2	2	3	1	3	2	3	3	2	3	2	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 2024-2025)

DEPARTMENT OF FASHION TECHNOLOGY

B.Sc., FASHION TECHNOLOGY AND COSTUME DESIGNING

Semester: V-EC-I-Fashion Marketing and Merchandising

Ins. Hrs./Week:4

Course Credit :3

Course Code: U24FTE51A

UNIT-I: Introduction to Merchandising

(12 Hours)

Merchandising: Definition, scope and importance, requirements and responsibilities of a merchandiser, merchandising terminology, merchandising process, six-month merchandising plan, buying calendar and role of merchandising in the fashion industry.

UNIT -II: Types of Merchandising

(12 Hours)

Export house, manufacturer exporter, merchant exporter, buying house and buying agency, types of buying agencies, selection of buyers and buying agencies, functions of a merchandiser in an export house, buying house and buying agency, sourcing and vendor management, importance of Letter of Credit (LC) and LC amendments.

UNIT-III: Importance of Costing in Apparel Industry

(12 Hours)

Elements of costing, fabric construction and GSM calculation, pattern making and costing, fabric consumption calculation, fabric costing, costing of woven and knitted garments, value-added materials in garments, garment costing for men's, women's and children's wear, shipping charges, trial costing and cost sheets.

UNIT-IV: Nature and Importance- Marketing

(12Hours)

Definitions of marketing, concept of marketing, marketing mix, pricing objectives and pricing strategies, segmentation, targeting and positioning, analysis of consumer markets and buyer behaviour, criteria used by consumers in fashion selection, consumer identification with the fashion life cycle, merchandising the fashion life cycle, understanding consumer behaviour, role of digital marketing, technological developments, development of e-commerce, different commercial models and diverse roles of websites.

UNIT-V: Product Mix

(12 Hours)

Product mix, product life cycle, new product development, customer profiles, marketing research methods, test marketing, fashion forecasting, brand management, retail merchandising strategies, types of resident buying offices, fashion consultants and trade publications.

Total Lecture Hours- 60

COURSE OUTCOME

The students will be able to

1. Understand the concepts and principles of fashion marketing and merchandising.
2. Explain the roles, responsibilities, functions of merchandisers and various merchandising organizations.
3. Analyze apparel costing procedures and cost components used in the garment industry.
4. Apply marketing concepts, consumer behaviour principles and pricing strategies in fashion business decisions.
5. Evaluate product development, merchandising strategies and marketing practices in the fashion industry.

TEXT BOOK(S)

1. Dickerson, K.G. 2003. Inside the Fashion Business. Seventh Edition. Pearson Education, Singapore.
2. Dudeja, V.D. 2005. Professional Management of Fashion Industry, First Edition. Ganga Deep Publications, New Delhi.
3. Frings, G.S. 2014. Fashion From Concept to Consumer. Ninth Edition. Pearson Education Ltd., Harlow.
4. Marshall, S.G., Jackson, H.O., Stanley, M.S and Kefgen, M. 2000. Individuality in Clothing Selection and Personal Appearance. Sixth Edition. Prentice Hall, New Jersey.
5. McKelvey, K. and Munslow, J. 2005. Fashion Design: Process, Innovation and Practice. First Edition. Blackwell Science Ltd., Oxford.

REFERENCE BOOK(S)

1. Hines, T. and Bruce, M. 2020. Fashion Marketing: Contemporary Issues. Second Edition. Routledge, London.
2. Kotler, P., Keller, K. L. and Chernev, A. 2022. Marketing Management. Sixteenth Edition. Pearson Education, Harlow.
3. Moore, C. M. and Birtwistle, G. 2021. Fashion Retailing. First Edition. Routledge, London.
4. Tungate, M. 2022. Fashion Brands: Branding Style from Armani to Zara. Fourth Edition. Kogan Page, London.
5. Varley, R. 2020. Retail Product Management: Buying and Merchandising. Fourth Edition. Routledge, London.

E- RESOURCES

1. www.marketing91.com
2. www.managementstudyguide.com
3. www.investopedia.com
4. www.fibre2fashion.com
5. www.apparelresources.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	2	1	2	2	1	2	1	2	3	2	2	1	2
CO2	3	3	3	2	2	2	2	2	2	2	3	2	3	2	3
CO3	3	3	3	3	2	2	1	2	2	2	3	2	3	3	3
CO4	3	3	3	2	3	2	2	3	2	3	3	3	3	2	3
CO5	3	3	2	2	3	2	2	3	2	3	3	2	3	2	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 2024-2025)

DEPARTMENT OF FASHION TECHNOLOGY

B.Sc., FASHION TECHNOLOGY AND COSTUME DESIGNING

Semester: V-EC-I-National and International Marketing

Ins. Hrs./Week:4

Course Credit :3

Course Code: U24FTE51B

Unit- I: Fundamentals of Fashion Marketing (12 Hours)

Meaning and scope of fashion marketing, role of marketing in the fashion industry, evolution of fashion markets from Indian and global perspectives, marketing mix comprising product, price, place, and promotion (4Ps), and consumer behaviour in fashion.

Unit -II: Fashion Merchandising and Retail Management (12 Hours)

Fashion merchandising concepts and functions, retail formats including boutiques, malls, e-commerce, and global brands, buying, assortment planning and inventory control, visual merchandising and store layout, and national and international retail strategies.

Unit -III: Branding, Promotion and Digital Marketing (12 Hours)

Brand building in the fashion industry, advertising and promotional strategies, digital marketing including social media, influencer marketing and content marketing, fashion communication and public relations, and global and local branding strategies.

Unit -IV: Global Fashion Market and Export Management (12Hours)

Structure of the global fashion industry, export and import procedures in the apparel business, international trade policies and agreements, sourcing, supply chain management and logistics, and fast fashion and sustainable fashion markets.

Unit -V: Entrepreneurship, Trend Forecasting and Innovation (12 Hours)

Fashion entrepreneurship and startup development, business plan preparation in fashion enterprises, trend forecasting techniques with reference to national and international trends, consumer demand analysis and market research, and innovation and sustainability in fashion marketing.

Total Lecture Hours- 60

COURSE OUTCOME:

The students will be able to

1. Understand the fundamental concepts, principles and scope of fashion marketing in national and international markets.
2. Explain the functions of fashion merchandising, retail management, buying processes and inventory control in the fashion industry.
3. Analyze branding, promotional strategies, digital marketing tools and consumer behaviour in fashion markets.
4. Evaluate global fashion trade practices, export-import procedures, supply chain management and international marketing strategies.
5. Apply entrepreneurial skills, trend forecasting techniques, market research methods and sustainable marketing practices in the fashion industry.

TEXT BOOK(S)

1. Easey, M. 2024. Fashion Marketing. Fifth Edition. Wiley-Blackwell, Oxford.
2. Frings, G. S. 2022. Fashion: From Concept to Consumer. Twelfth Edition. Fairchild Books, New York.
3. Jackson, T. and Shaw, D. 2022. Mastering Fashion Marketing. Second Edition. Red Globe Press, London.
4. Posner, H. 2023. Marketing Fashion. Third Edition. Laurence King Publishing, London.
5. Varley, R. 2020. Retail Product Management: Buying and Merchandising. Fourth Edition. Routledge, London.

REFERENCE BOOK(S)

1. Kim, E., Fiore, A. M. and Kim, H. 2011. Fashion Trends: Analysis and Forecasting. First Edition. Berg Publishers, Oxford.
2. Kotler, P., Keller, K. L. and Chernev, A. 2022. Marketing Management. Sixteenth Edition. Pearson Education, Harlow.
3. Moore, C. M. and Birtwistle, G. 2021. Fashion Retailing. First Edition. Routledge, London.
4. Tungate, M. 2022. Fashion Brands: Branding Style from Armani to Zara. Fourth Edition. Kogan Page, London.
5. Varley, R. 2020. Retail Product Management: Buying and Merchandising. Fourth Edition. Routledge, London.

E- RESOURCES

1. https://books.google.com/books/about/Fashion_From_Concept_to_Consumer.html
2. https://books.google.com/books/about/Fashion_Marketing.html
3. www.businessoffashion.com
4. www.voguebusiness.com
5. www.fibre2fashion.com
6. www.apparelresources.com
7. www.wgsn.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	2	1	2	2	1	2	2	2	3	2	2	1	2
CO2	3	3	3	2	3	2	2	2	2	2	3	2	3	2	3
CO3	3	3	3	2	2	2	2	2	2	2	3	2	3	3	3
CO4	3	3	3	3	3	2	2	3	3	3	3	3	3	2	3
CO5	3	3	3	3	3	3	2	3	3	3	3	3	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 2024-2025)
DEPARTMENT OF FASHION TECHNOLOGY
B.Sc., FASHION TECHNOLOGY AND COSTUME DESIGNING

Semester: V-EC-I-Fashion Management
Ins. Hrs./Week:4 Course Credit : 3 Course Code: U24FTE51C

UNIT-I: Fashion for global market (12 Hours)

Social, cultural, economic and demographic factors relating to branded and licensed products, analyzing potential global markets, identifying target consumers and competitors, market research and testing, and product customization.

UNIT-II: Fashion Marketing Concepts (12 Hours)

Concept of marketing and utility, marketing functions and related activities, concepts of market segmentation and niche marketing, marketing mix, channels of distribution used in the fashion industry, and marketing and merchandising in the fashion industry.

UNIT-III: Economics in the Fashion Industry (12 Hours)

Concept of economic goods and services, concept of economic resources, concept of supply and demand, cost, retail price, gross profit, and net profit.

UNIT-IV: Fashion Promotional Mix and Consumer Demand for Fashion Marketing (12 Hours)

Types of media used in fashion retail advertising, importance of special promotional events, consumer groups, demographic and psychographic trends, consumer spending, personal income, disposable income, discretionary income, purchasing power, and factors influencing consumer behaviour.

UNIT-V: Pricing strategies, Decisions and Fashion Brand Management (12Hours)

Concept and importance of pricing, factors affecting pricing decisions, methods of pricing, fashion brand management, types and relevance of branding, fashion brand positioning, brand launching strategies, distribution channels, and marketing campaigns for brand introduction.

Total Lecture Hours- 60

COURSE OUTCOME

The students will be able to

1. Understand global fashion markets, consumer factors, market research and target audience identification.
2. Explain fashion marketing concepts, market segmentation, merchandising and distribution channels.
3. Analyze economic principles, supply and demand, cost structures and profit in the fashion industry.
4. Evaluate promotional strategies, media, consumer behavior and factors influencing fashion demand.
5. Apply pricing strategies, brand management, positioning and marketing campaigns in the fashion business.

TEXT BOOK(S)

1. Easey,M.2024.Fashion Marketing.Fifth Edition.Wiley-Blackwell, Oxford.
2. Frings,G.S.2022.Fashion:From Concept to Consumer.Twelfth Edition.Fairchild Books, New York.
3. Jackson, T. and Shaw, D. 2022. Mastering Fashion Marketing. Second Edition. Red Globe Press, London.
4. Posner, H. 2023. Marketing Fashion. Third Edition. Laurence King Publishing, London.
5. Solomon, M. R. and Rabolt, N. J. 2020. Consumer Behavior in Fashion. Third Edition. Fairchild Books, New York.

REFERENCE BOOK(S)

1. Barnes,L.and Lea-Greenwood,G.2010.Fast Fashion in the Retail Store Environment.First Edition. Routledge, London.
2. Keegan,W.J. and Green,M.C.2022.Global Marketing.Tenth Edition. Pearson Education, Harlow.
3. Kotler, P., Keller, K. L. and Chernev,A.2022.Marketing Management.Sixteenth Edition. Pearson Education, Harlow.
4. Schiffman,L.G.and Wisenblit, J. 2024.Consumer Behavior.Thirteenth Edition. Pearson Education, Harlow.
5. Tungate,M. 2022.Fashion Brands:Branding Style from Armani to Zara.Fourth Edition. Kogan Page, London.

E-RESOURCES

1. <https://nptel.ac.in/courses/110/104/110104081/>
2. <https://www.coursera.org/learn/fashion-as-design>
3. https://onlinecourses.nptel.ac.in/noc20_mg60/preview
4. <https://www.edx.org/course/fashion-business>
5. <https://www.futurelearn.com/courses/fashion-marketing>
6. www.fibre2fashion.com
7. www.apparelresources.com
8. www.just-style.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	2	2	2	1	1	2	2	2	3	2	2	1	2
CO2	3	3	3	2	3	2	2	2	2	2	3	2	3	2	3
CO3	3	3	3	2	2	2	2	2	2	2	3	2	3	3	3
CO4	3	3	3	3	3	2	2	3	3	3	3	3	3	2	3
CO5	3	3	3	3	3	3	2	3	3	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 2024-2025)
DEPARTMENT OF FASHION TECHNOLOGY
B.Sc., FASHION TECHNOLOGY AND COSTUME DESIGNING

Semester: V- EC-II- Cosmetology

Ins. Hrs./Week:4

Course Credit : 3

Course Code: U24FTE52A

UNIT-I: Cosmetology

(12 Hours)

Cosmetology – Introduction, definition, scope and importance, difference between a beautician and a cosmetologist, qualities and professional responsibilities of a cosmetologist, types and applications of cosmetology, self-grooming, personal hygiene, salon ethics, professional conduct, definition and importance of personal grooming.

UNIT-II: Pedicure

(12 Hours)

Pedicure – Definition, need and importance of pedicure, anatomy of the foot and nails, tools and equipment used for pedicure, step-by-step pedicure procedure, pedicure techniques, benefits of pedicure, difference between spa pedicure and regular pedicure, pedicure safety, hygiene and sanitation practices, and precautions during pedicure.

UNIT-III: Manicure

(12 Hours)

Manicure – Definition, tools and equipment used for manicure, nail structure and functions, types of manicure such as French manicure, hot oil manicure, dip powder manicure and paraffin wax treatment, nail shaping, cuticle care and removal, nail art techniques, Mehendi designs (Classical, Arabic, Glitter and Painting styles), nail care practices, and common nail disorders.

UNIT-IV: Skin and Hair

(12 Hours)

Structure and functions of skin and hair, skin types and skin tones, skin analysis, common skin problems such as acne, pigmentation and dry skin, basic skin care routines, facial procedures and steps in basic facial treatment, hair structure and growth, common hair problems such as dandruff, hair fall and split ends, hair care practices, and cosmetic products used for skin and hair care.

UNIT-V: Face Makeup and Hair Styling

(12 Hours)

Face makeup – Meaning, importance and makeup application techniques, types of makeup, corrective makeup, day makeup and evening makeup, makeup tools and brushes, selection of cosmetics according to skin tone, makeup removal and aftercare, basic hairstyles including knotted, rolling and plaited styles, hairstyles for different occasions, basic haircuts such as straight trimming, U-cut and V-cut, and basic bridal makeup techniques.

Total Lecture Hours- 60

COURSE OUTCOME

The students will be able to

1. Understand the basics of cosmetology, self-grooming, and personal hygiene.
2. Demonstrate the pedicure techniques and foot care practices.
3. Apply manicure techniques, nail care, Mehendi, and nail art designs.
4. Evaluate the skin and hair structure, common problems, and care methods.
5. Explain makeup, hairstyling, and basic haircutting techniques for different occasions

TEXT BOOK(S)

1. Bennett,R/2021.The Science of Beauty Therapy.Fourth Edition.Hodder Education, London.
2. Milady.2023.Milady Standard Cosmetology.Fourteenth Edition.Cengage Learning,Boston.
3. Nordmann,L.2020.Professional Beauty Therapy.Fifth Edition.Cengage Learning, Hampshire.
4. Swift,A.andBeavis,J.2020.BeautyTherapy: The Foundations.Third Edition.Cengage Learning, Hampshire.
5. Varghese,M.2018.Beauty Culture and Cosmetology.First Edition.New Age International Publishers,New Delhi.

REFERENCE BOOK(S)

1. Draelos,Z.D.2024.Cosmetic Dermatology:Products and Procedures.Fourth Edition.Wiley-Blackwell, Hoboken.
2. Goldberg,D.J.2023Laser Dermatology and Cosmetic Medicine.Third Edition.CRC Press, Boca Raton.
3. Milady.2023.Milady Standard Esthetics:Advanced. Second Edition.Cengage Learning, Boston.
4. Barel,A.O.,Paye,M.and Maibach,H.I.2022.Handbook of Cosmetic Science and Technology. Fifth Edition.CRC Press, Boca Raton.
5. Dweck,A.C.2021.Natural Ingredients for Cosmetics.First Edition.Woodhead Publishing, Cambridge.
6. Rhein,L.D.and Schlossman,M. L.2021.Surfactants in Personal Care Products and Decorative Cosmetics.Third Edition.CRC Press, Boca Raton.

E- RESOURCES

1. <https://nptel.ac.in/courses/127/106/127106007/>
2. <https://www.coursera.org/learn/skincare-science>
3. <https://www.milady.com>
4. <https://www.nailpro.com>
5. <https://www.nailsmag.com>
6. <https://www.probeauty.org>
7. <https://www.modernsalon.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	2	2	2	1	1	2	2	2	3	2	2	1	2
CO2	3	3	3	2	3	2	2	2	2	2	3	2	3	2	3
CO3	3	3	3	2	2	2	2	2	2	2	3	2	3	3	3
CO4	3	3	3	3	3	2	2	3	3	3	3	3	3	2	3
CO5	3	3	3	3	3	3	2	3	3	3	3	3	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 2024-2025)
DEPARTMENT OF FASHION TECHNOLOGY
B.Sc., FASHION TECHNOLOGY AND COSTUME DESIGNING

Semester: V- EC-II-Home Textiles
Ins. Hrs./Week:4 Course Credit : 3 Course Code: U24FTE52B

UNIT-I: Home Textile in India **(12 Hours)**

Introduction, history, exports and trends in the home textile industry, domestic and global markets for home textiles, major production centres in India. Home textile products, required properties, factors affecting the selection of fabrics, different fibres used, standard sizes, fabric requirements, and cost calculations.

UNIT-II: Seating **(12 Hours)**

Seating: Structures, layouts, range and sizes, materials used, manufacturing processes, double cloth, loop pile, cut pile, cushion foam, multilayer sheets, seat covers, types and materials.
Bed Linen: Definitions, design and sizes, bedspread designs, chenille and organic bedspreads, dimensions, bed sheets, types of bed sheets, fitted sheets, manufacturing process, bed skirts, types of mattresses, domestic and international markets for bed linen, pillows, quilts and types of quilts.

UNIT-III: Windows **(12 Hours)**

Basic sizes, layouts and materials. Curtains: Introduction, types of curtains and characteristics of curtain fabrics. Wall coverings: Requirements, benefits, types, carpets as wall coverings, materials, manufacturing processes, applications, end uses and colour concepts.

UNIT-IV: Table Linens **(12 Hours)**

Table Linen: Definition, placemats, varieties of placemats, manufacturing process, instructions, tips and precautions, reversible placemats, stone placemats, tablecloths, types, materials and manufacturing.
Kitchen Linen: Introduction, materials used, kitchen products such as oven mittens, pot holders, aprons, napkins, doilies, kitchen mats, dining tablecloths, tea cozies, kitchen curtains, table runners and kitchen rugs, types of stitches and seams used.
Bath Linen: Categories, bath robes, sizes and design elements, terry towels, classification, ranges, fibres used, standard sizes, manufacturing flow chart, construction of terry towels, market share and production centres.

UNIT-V: Floor Coverings **(12 Hours)**

Definitions, fibres used, types of carpets, comparison of carpets, broadloom carpets, benefits of carpets and rugs, carpet cushions, manufacturing processes, rugs, types of rugs, knots and oriental rugs, embroidered rugs, natural leather rugs, advances in floor coverings, eco-friendly carpets, smart carpets, interactive carpets and lawn carpets.

Total Lecture Hours- 60

COURSE OUTCOME:

The students will be able to

1. Understand the home textile industry, market trends, textile products and fabric selection criteria.
2. Explain the construction, materials, manufacturing processes and applications of seating and bed linen products.
3. Analyze the design, materials and functional requirements of window furnishings and wall coverings.
4. Describe the types, construction, manufacturing processes and uses of table, kitchen and bath linens.
5. Evaluate floor coverings, carpet manufacturing techniques, rug types and recent innovations in home textiles.

TEXT BOOK(S)

1. Gopalakrishnan, D. and Karthik T. 2020. Home Textiles. Astral International Pvt. Ltd., New Delhi.
2. Das, S. 2019. Advances in Functional and Protective Textiles. Woodhead Publishing, Cambridge.
3. Muthu, S. S. 2022. Sustainable Innovations in Textile Chemical Processes. Springer Nature, Singapore.
4. Premavathy and Pannu, P. 2013. Interior Design and Decoration. CBS Publishers and Distributors Pvt. Ltd., New Delhi.
5. Varghese, M. A., Ogale, N. N. and Srinivasan, K. 2017. Home Management. New Age International Publishers, New Delhi.

REFERENCE BOOK(S)

1. Adanur, S. 2017. Wellington Sears Handbook of Industrial Textiles. Second Edition. CRC Press, Boca Raton.
2. Briggs-Goode, A. 2013. Textile Design: Principles, Advances and Applications. Woodhead Publishing, Cambridge.
3. Corbman, B. P. 2015. Textiles: Fiber to Fabric. Tenth Edition. McGraw-Hill Education, New York.
4. Kadohph, S. J. 2014. Textiles. Twelfth Edition. Pearson Education, Boston.
5. Muthu, S. S. 2020. Textiles and Clothing Sustainability. Springer Nature, Singapore.

E- RESOURCES

1. <https://www.fibre2fashion.com/industry-article/home-textiles>
2. <https://textilelearner.net/category/home-textiles>
3. <https://www.textileschool.com/category/home-textile>
4. <https://www.welspunliving.com>
5. <https://texmin.nic.in>
6. <https://epgp.inflibnet.ac.in>
7. <https://shodhganga.inflibnet.ac.in>
8. <https://www.fibre2fashion.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	2	1	1	1	1	1	1	1	3	2	2	1	1
CO2	3	3	2	2	2	1	1	2	2	1	3	2	2	1	2
CO3	3	2	2	2	3	2	1	2	3	2	3	2	3	2	3
CO4	3	3	3	3	2	2	2	2	2	2	3	2	3	3	3
CO5	3	3	2	2	2	1	1	3	3	2	3	2	3	2	3

S-Strong (3)

M-Medium (2)

L-Low (1)



Semester: V- EC-II- Protective Garments

Ins. Hrs./Week:4

Course Credit : 3

Course Code: U24FTE52C

UNIT-I: Introduction to Protective Clothing

(12 Hours)

Definition, need, and importance of protective clothing; classification of protective clothing including industrial, medical, military, sports, and fire-resistant and heat-protective clothing; types of hazards such as physical, chemical, biological, thermal, and electrical hazards; role of protective clothing in ensuring safety and health; overview of national and international standards and regulations related to protective clothing.

UNIT-II: Materials for Protective Garments

(12 Hours)

High-performance fibres including aramids, carbon, glass, and ultra-high molecular weight polyethylene; properties such as flame resistance, chemical resistance, strength, durability, and thermal protection; coated and laminated fabrics; smart, functional and intelligent textiles; selection of materials based on end-use requirements.

UNIT-III: Design and Construction of Protective Garments

(12 Hours)

Design considerations including safety, comfort, mobility, ergonomics, and fit; pattern making for protective garments; seam types, closures, and reinforcement techniques; layered clothing systems for multi-layer protection; integration of accessories such as helmets, gloves, respirators, eye protection, and protective footwear.

UNIT-IV: Testing, Standards and Quality Control

(12 Hours)

Testing methods including flame resistance, thermal insulation, chemical resistance, and mechanical performance; performance evaluation of protective clothing; national and international standards including BIS, ISO, ASTM, and EN standards; quality control procedures in production; certification and compliance requirements.

UNIT-V: Applications and Recent Innovations

(12 Hours)

Applications of protective clothing in industries, firefighting, healthcare, construction, military, and defence sectors; Personal Protective Equipment (PPE) systems and kits; advances in smart protective clothing including sensor-based garments and wearable technologies and real-time monitoring systems; sustainable and eco-friendly protective wear; future trends and innovations in protective textiles.

Total Lecture Hours- 60

COURSE OUTCOME:

The students will be able to

1. Understand the concepts, importance, hazards, and standards related to protective clothing.
2. Explain the properties and applications of materials used in protective garments.
3. Apply design and construction principles for developing protective clothing.
4. Analyze testing methods, quality control procedures, and standards for protective garments.
5. Evaluate the applications and recent innovations in protective clothing and personal protective equipment.

TEXT BOOK(S)

1. Anand, S. C. 2020. Handbook of Technical Textiles. Volume II. Second Edition. Woodhead Publishing, Cambridge.
2. Fan, J. and Hunter, L. 2009. Engineering Apparel Fabrics and Garments. Woodhead Publishing, Cambridge.
3. Horrocks, A. R. and Anand, S. C. 2020. Handbook of Technical Textiles. Volume 1. Second Edition. Woodhead Publishing, Cambridge.
4. Maity, S., Singha, K. and Pandit, P. 2023. Functional and Technical Textiles. First Edition. Woodhead Publishing, Cambridge.
5. Scott, R. A. 2022. Textiles for Protection. Second Edition. Woodhead Publishing, Cambridge.

REFERENCE BOOK(S)

1. Kilinc-Balci, F. S. 2014. Smart Textiles and Their Applications, First Edition. Springer, New York.
2. Maity, S., Singha, K. and Pandit, P. 2023. Functional and Technical Textiles. First Edition. Woodhead Publishing, Cambridge.
3. Muthu, S. S. 2021. Protective Textiles and Clothing. First Edition. Woodhead Publishing, Cambridge.
4. Nayak, R. and Padhye, R. 2015. Garment Manufacturing Technology. First Edition. Woodhead Publishing, Cambridge.
5. Song, G. 2011. Improving Comfort in Clothing. First Edition. Woodhead Publishing, Cambridge.

E-RESOURCES

1. <https://www.oecd.org/innovation/advanced-textiles>
2. <https://www.astm.org>
3. <https://www.iso.org>
4. <https://www.osha.gov/personal-protective-equipment>
5. <https://www.dupont.com/personal-protection>
6. <https://www.textileschool.com/category/technical-textiles>
7. <https://ittaindia.org>
8. <https://texmin.nic.in/technical-textiles>

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	2	2	2	1	1	2	2	1	3	2	2	1	2
CO3	3	2	2	2	3	2	1	2	3	2	3	2	3	2	3
CO4	3	3	3	3	2	2	2	2	2	2	3	2	3	3	3
CO5	3	3	2	2	2	1	1	3	3	2	3	2	3	2	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 2024-2025)

DEPARTMENT OF FASHION TECHNOLOGY

B.Sc.- FASHION TECHNOLOGY AND COSTUME DESIGNING

Semester: V: Environmental Studies

Ins. Hrs. /Week: 2

Course Credit: 2

Course Code: 24UGCES

Unit: 1 The Multidisciplinary nature of environmental studies

Definition- scope and importance.

(2 lectures)

Need for public awareness

Unit: 2 Natural Resources

Renewable and non-renewable resources:

Natural resources and associated problems.

a) Forest resources: use and over-exploitation- deforestation- case studies. Timber extraction- mining- dams and their effects on forests and tribal people.

b) Water resources: Use and over-utilization of surface and ground water- floods- drought- conflicts over water- dams benefits and problems.

c) Mineral resources: Use and exploitation- environmental effects of extracting and using mineral resources- case studies.

d) Food resources: World food problems- changes caused by agriculture and overgrazing- effects of modern agriculture- fertilizer-pesticide problems- water logging- salinity- case studies.

e) Energy resources: Growing energy needs- renewable and non renewable energy sources- use of alternate energy sources. Case studies.

f) Land resources: Land as a resources- land degradation- man induced Landslides- soil erosion and desertification. Role of an individual in conservation of natural resources. Equitable use of resources for sustainable lifestyles.

(8 lectures)

Unit: 3 Ecosystems

Concept of an ecosystem.

Structure and function of an ecosystem.

Producers- consumers and decomposers

Energy flow in the ecosystem

Ecological succession.

Food chains- food webs and ecological pyramids

Introduction- types- characteristic features- structure and function of the following ecosystem:-

a. Forest ecosystem

b. Grassland ecosystem

c. Desert ecosystem

d. Aquatic ecosystems- (ponds- streams- lakes- rivers- oceans- estuaries)

(6 lectures)

Unit: 4 Biodiversity and its conservation

Introduction – Definition: Genetic- species and ecosystem diversity Biogeographical classification of India

Value of biodiversity: consumptive use- productive use- social- ethical- aesthetic and option values

Biodiversity at global- National and local levels India as a mega-diversity nation

Hot-spots of biodiversity

Threats to biodiversity: habitat loss- poaching of wildlife- man-wildlife conflicts.

Endangered and endemic species of India

Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity.

Biological Diversity Act 2002/ BD Rules- 2004

(8 lectures)

Unit: 5 Environmental Pollution

Definition

Causes- effects and control measures of:

- a. Air Pollution
- b. Water Pollution
- c. Soil Pollution
- d. Marine Pollution
- e. Noise pollution
- f. Thermal Pollution
- g. Nuclear hazards

Solid waste Management: Causes- effects and control measures of urban and industrial wastes.

Role of an individual in prevention of pollution

Pollution case studies

Disaster management: floods- earthquake- cyclone and landslides.

III-Effects of Fireworks: Firework and Celebrations- Health Hazards- Types of Fire- Firework and Safety

(8 lectures)

Unit: 6 Social Issues and the Environment

From Unsustainable to Sustainable development.

Urban problems related to energy.

Water conservation- rain water harvesting- watershed management.

Resettlement and rehabilitation of people; its problems and concerns.

Case studies

Environmental ethics: Issues and possible solutions.

Climate change- global warming- acid rain- ozone layer depletion- nuclear accidents and holocaust.

Case studies.

Wasteland reclamation.

Consumerism and waste products.

Environment Protection Act.

Air (Prevention and Control of Pollution) Act.

Water (Prevention and Control of Pollution) Act.

Wildlife Protection Act.

Forest Conservation Act.

Issues involved in enforcement of environmental legislation Public awareness.

(7 lectures)

Unit: 7 Human Population and the Environment

Population growth- variation among nations.

Population explosion – Family Welfare Programmes

Environment and human health

Human Rights - Value Education

HIV/ AIDS - Women and Child Welfare

Role of Information Technology in Environment and human health

Case studies.

Unit: 8 Field Work

Visit to a local area to document environmental assets-river / forest/ grassland/ hill / mountain

COURSE OUTCOMES :

The students will be able to

1. Understand the environmental importance including interactions across local to global scales.
2. The learners to update and analyze environmental relationships and interactions of environmental components
3. The student to gain knowledge on importance of natural resources in a systematic way.
4. The course content is introduce the concept of renewable and non-renewable energy resources and its scenario in India and at global level

5. The students will know the relationship between biodiversity and ecosystem functions- direct and indirect values of biodiversity resources and their bio prospecting opportunities.
6. The learners can gain awareness related on environmental pollution- causes and pollution control with case studies.
7. Student to obtain the environmental ethics and gain knowledge about the sustainable development.
8. Learners should realize the environmental legislation and policies of national and international regime and know the regulations applicable to industries and other organizations with significant Environmental aspects.

REFERENCES

1. Agarwal- K.C. 2001 Environmental Biology- Nidi Public Ltd Bikaner.
2. Bharucha Erach- The Biodiversity of India- Mapin Publishing Pvt ltd- Ahamedabad – 380013- India- E-mail: mapin@icenet.net(R)
3. Brunner R.C. 1989- Hazardous Waste Incineration- McGraw Hill Inc 480 p
4. Clark R.S. Marine Pollution- Clanderson Press Oxford (TB)
5. Cunningham- W.P.Cooper- T.H.Gorhani E & Hepworth- M.T. 2001.
6. De A.K. Environmental Chemistry- Wiley Eastern Ltd
7. Down to Earth- Centre for Science and Environment (R)
8. Gleick- H.P. 1993. Water in crisis- Pacific Institute for Studies in Dev.- Environment & Security. Stockholm Env. Institute Oxford University- Press 473p.
9. Hawkins- R.E. Encyclopedia of India Natural History- Bombay Natural History Society- Bombay (R)
10. Heywood- V.H & Watson- R.T. 1995. Global Biodiversity Assessment. Cambridge University Press 1140 p.
11. Jadhav- H & Bhosale- V.M. 1995. Environmental Protection and Laws Himalaya Pub. House- Delhi 284 p.
12. Mckinney- M.L. & Schoch R.M. 1996. Environmental Science systems & Solutions- Web enhanced edition 639 p.
13. Mhaskar A.K. Matter Hazardous- Techno-Science Publications (TB)
14. Miller T.G. Jr. Environmental Science- Wadsworth Publishing Co. (TB)
15. Odum- E.P. 1971 Fundamentals of Ecology. W.B. Saunders Co. USA. 574 p
16. Rao MN & Datta- A.K. 1987 Waste Water treatment- Oxford & IBH Publication Co. Pvt Ltd 345 p.
17. Sharma B.K. 2001 Environmental chemistry Goel Publ House- Meerut.
18. Survey of the Environment- The Hindu (M).
19. Townsend C. Harper- J and Michael Begon- Essentials of Ecology- Blackwell science (TB)
20. Trivedi R.K. Handbook of Environmental Laws- Rules- Guidelines- Compliances and Standards- Vol. I and II- Enviro Media (R).
21. Trivedi R.K. and P.K. Goel- Introduction to air pollution- Techno-Science Publications (TB).
22. Wagner K.D. 1998 Environmental Management. W.B. Saunders Co. Philadelphia USA499 p
- (M) Magazine (R) Reference (TB) Textbook
23. <http://nbaindia.org/uploaded/Biodiversityindia/Legal/33%20Biological%20Diversity%20>

SEMESTER-VI

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



SUNDARAKKOTTAI- MANNARGUDI -614016.
(For the candidate admitted in the academic year 2024-2025)
DEPARTMENT OF FASHION TECHNOLOGY
B.Sc., FASHION TECHNOLOGY AND COSTUME DESIGNING

Semester: VI-CC-VIII- Textile Testing

Ins. Hrs./Week:6

Course Credit : 4

Course Code:U24FT613

UNIT-I: Quality Control

(20 Hours)

Definition and importance of quality control; sampling techniques for textile testing; introduction to quality assurance (QA) and total quality management (TQM) in textiles; humidity: definition and its influence on fibre properties; standard atmospheric conditions and standard testing atmosphere; standard regain, moisture content and moisture regain; measurement of atmospheric conditions using wet and dry bulb hygrometers and sling hygrometers; conditioning of textile materials before testing.

UNIT -II: Fiber Testing

(15 Hours)

Fibre length – Baer Sorter and Fibrograph. Fibre strength – Stelometer. Fibre fineness – Micronaire. Fibre maturity and maturity ratio. Trash content determination – Trash Analyzer. Fibre elongation. Fibre uniformity ratio and fibre quality parameters.

UNIT-III: Yarn Testing

(20 Hours)

Determination of yarn count – Quadrant, Analytical and Beesley Balance. Twist – direction of twist, amount of twist, twist factor and twist contraction and twist effect on fabric properties. Yarn strength – Single Yarn Strength Tester. Yarn elongation. Crimp – Shirley Crimp Tester. Yarn appearance – Yarn Appearance Tester. Evenness – Uster Evenness Tester. Hairiness – Uster Hairiness Tester. Yarn imperfections – thick places, thin places and neps. Lea strength and Count Strength Product (CSP).

UNIT-IV: Fabric Testing

(18 Hours)

Fabric strength testing: tensile strength, tearing strength and bursting strength. Seam strength and seam slippage testing. Abrasion resistance and types of abrasion. Pilling resistance using Martindale Pilling Tester. Fabric thickness measurement. Fabric weight (GSM) determination. Air permeability testing. Dimensional stability and shrinkage testing.

UNIT-V: Fabric Performance Evaluation

(17 Hours)

Drape measurement using Drape Meter. Fabric stiffness testing using Shirley Stiffness Tester. Crease recovery testing using Shirley Crease Recovery Tester. Fabric bending properties. Objective and subjective fabric handle assessment. Fabric comfort and performance evaluation.

Total Lecture Hours-90

COURSE OUTCOME

The students will be able to

1. Understand quality control procedures and standard testing conditions used in textile testing laboratories.
2. Explain fibre properties, quality parameters and testing methods for evaluating fibre performance.

3. Analyze yarn quality using standard testing instruments and interpret test results.
4. Evaluate fabric performance through strength, durability, dimensional stability and comfort-related tests.
5. Assess drape, stiffness, crease recovery, handle and aesthetic properties of fabrics for end-use applications.

TEXT BOOK(S)

1. Amutha, K. 2016. A Practical Guide to Textile Testing. CRC Press, Boca Raton, Florida.
2. Angappan, P. 2009. Textile Testing. S.S.M. Institute of Textile Technology Publications, Komarapalayam, Tamil Nadu.
3. Saville, B.P. 1999. Physical Testing of Textiles. Woodhead Publishing Limited, Cambridge, UK.
4. Dolez, P.I. 2017. Advanced Characterization and Testing of Textiles. Woodhead Publishing, Cambridge, UK.
5. Kaswell, E.R. 2013. Textile Fibers, Yarns and Fabrics: Structure and Properties. CBS Publishers & Distributors Pvt. Ltd., New Delhi.

REFERENCE BOOK(S)

1. Das, A. 2024. Testing of Textile and Fibrous Materials. First Edition. CRC Press, Boca Raton.
2. Dolez, P.I. 2017. Advanced Characterization and Testing of Textiles. Woodhead Publishing, Cambridge, UK.
3. Maity, S., Singha, K. and Pandit, P. 2023. Functional and Technical Textiles. First Edition. Woodhead Publishing, Cambridge, UK.
4. Mukhopadhyay, S.K. 2022. Advances in Textile Testing and Analysis. Woodhead Publishing, Cambridge, UK.
5. Thilagavathi, G. and Rathinamoorthy, R. 2022. Odour in Textiles: Generation and Control. CRC Press, Boca Raton, Florida.

E-RESOURCES

1. <https://textilelearner.net/category/textile-testing>
2. <https://www.textileschool.com/category/textile-testing>
3. <https://nptel.ac.in/courses/116102059>
4. <https://shodhganga.inflibnet.ac.in>
5. <https://epgp.inflibnet.ac.in>
6. <https://www.uster.com>
7. <https://www.iso.org>
8. <https://www.astm.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	2	1	1	2	2	2	3	2	2	1	2
CO2	3	3	3	2	2	2	1	2	2	2	3	2	3	2	2
CO3	3	3	3	2	2	2	1	2	2	2	3	2	3	3	2
CO4	3	3	3	2	2	2	2	3	3	2	3	2	3	3	3
CO5	3	3	3	2	3	2	1	3	3	3	3	2	3	2	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 2024-2025)

DEPARTMENT OF FASHION TECHNOLOGY

B.Sc., FASHION TECHNOLOGY AND COSTUME DESIGNING

Semester: VI- CP-VI-Textile Testing (P)

Ins. Hrs./Week: 6

Course Credit : 4

Course Code: U24FT614P

1. Identification of Textile Fibres

To identify the following fibres: Cotton, Silk, Wool, Jute, Polyester and Linen.

- Microscopic Test
- Burning Test
- Chemical Test

2. Yarn Testing

- To determine the yarn twist using Single Yarn Twist Tester.
- To determine the yarn count using Beesley Balance.
- To determine the yarn count using Wrap Reel and Analytical Method.

3. Fabric Testing

- To determine the fabric weight (GSM) using Quadrant Balance.
- To determine the thickness of a fabric using Thickness Tester.
- To determine the abrasion resistance of a fabric using Martindale Abrasion Tester.

4. Colour Fastness Testing

- To determine the colour fastness to rubbing using Crock Meter.
- To determine the colour fastness to washing.

5. Fabric Handle and Performance Testing

- To determine the crease recovery of a fabric using Crease Recovery Tester.
- To determine the stiffness of a fabric using Shirley Stiffness Tester.

COURSE OUTCOME:

The students will be able to

1. Identify different textile fibres using microscopic, burning, and chemical tests.
2. Determine yarn count using standard textile testing instruments and methods.
3. Evaluate fabric properties such as thickness, weight, abrasion resistance, and stiffness.
4. Assess the colour fastness of textiles to rubbing and washing.
5. Apply textile testing techniques and interpret test results for quality assessment of textile materials.

TEXT BOOK(S)

1. Angappan,P.2009.Textile Testing. S.S.M. Polytechnic College Publications, India.
2. Booth,J.E.2018.Principles of Textile Testing. Third Edition.CBS Publishers and Distributors Pvt. Ltd.,New Delhi.
3. Dolez,P.I.2017.Advanced Characterization and Testing of Textiles.Woodhead Publishing,United Kingdom.
4. Grover,E.B.and Hamby,D.S.2011.Handbook of Textile Testing and Quality Control. Second Edition. Wiley India Pvt. Ltd., New Delhi.

5. Kothari, V.K. 1999. Testing and Quality Management. First Edition. IAFL Publications, New Delhi.

REFERENCE BOOK(S)

1. Gupta, S., Garg, N. and Saini, R. 2005. Textbook of Clothing, Textiles and Laundry. Fifth Edition. Kalyani Publishers, New Delhi.
2. Kadohph, S.J. 2016. Textiles. Twelfth Edition. Pearson Education, USA.
3. Saville, B.P. 1999. Physical Testing of Textiles. Woodhead Publishing Limited, England.
4. Saville, B.P. 2002. Physical Testing of Textiles. Second Edition. Woodhead Publishing Limited, Cambridge.
5. Thackeray, J.W. 1974. Textiles: Performance Tests and Evaluations. Brigham Young University Publications, United States.

E-RESOURCES

1. <https://www.youtube.com/watch?v=jHbBofSXXKg>
2. <https://www.youtube.com/watch?v=Rj82EPee0VA>
3. <https://www.youtube.com/watch?v=lCF0twxemqk>
4. <https://www.astm.org>
5. <https://www.bis.gov.in>
6. www.aatcc.org
7. www.textileworld.com
8. www.fibre2fashion.com

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

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CO2	3	3	3	2	2	2	1	2	2	2	3	2	3	2	2
CO3	3	3	3	2	2	2	1	2	2	2	3	2	3	3	2
CO4	3	3	3	2	2	2	2	3	3	2	3	2	3	3	3
CO5	3	3	3	2	3	2	1	3	3	3	3	2	3	2	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 2024-2025)

DEPARTMENT OF FASHION TECHNOLOGY

B.Sc., FASHION TECHNOLOGY AND COSTUME DESIGNING

Semester: VI- EC-III-Boutique Management

Ins. Hrs./Week:4

Course Credit :3

Course Code:U24FTE63A

UNIT -I : Introduction to Boutique (12 Hours)

Boutique – Definition; management skills required to set up a boutique; entrepreneurship in the fashion industry; qualities of a successful boutique owner; identifying target market and customers; selection of boutique name; types of boutiques; low-end and high-end boutiques.

UNIT-II: Boutique Interior (12 Hours)

Choice of location and space management; infrastructure requirements; fashion accessories in a boutique; boutique interiors; visual merchandising; store layout; types of display; exterior display; interior display; window display techniques; store ambience and customer experience; tools for visual merchandising; signage; props; mannequins; fixtures and lighting.

UNIT-III: Resource Management (12 Hours)

Staffing; selection of generalists and specialists; customer relationship management; manpower planning; performance management; employee relations; customer service and complaint handling; team coordination and leadership skills.

UNIT-IV : Tools and Materials (12 Hours)

Boutique marketing tools and promotional kits; material sourcing; bookkeeping for a boutique; inventory management; digital marketing for boutiques; social media promotion; e-commerce and online boutique management.

UNIT-V: Financial Management (12 Hours)

Project finance; cash control and cash flow analysis; managing and starting a boutique business; pricing strategies; budget preparation; profit and loss analysis; basics of business registration and licensing; boutique visit; preparation of boutique project report.

Total Lecture Hours-60

COURSE OUTCOME:

The students will be able to

1. Describe the fundamentals of boutique management and operations.
2. Plan attractive boutique interiors and visual displays.
3. Apply effective customer and staff management skills.
4. Utilize marketing, sourcing, and inventory management techniques.
5. Develop a basic boutique business plan with financial considerations.

TEXT BOOK(S)

1. Bhushan, Y.K. 2013 Fundamentals of Business Organization and Management. Nineteenth Edition. Sultan Chand and Sons, New Delhi.
2. Khanka, S.S. 2013. Entrepreneurial Development. Revised Edition. Sultan Chand and Company Pvt. Ltd., New Delhi.
3. Mikaelson, Debra. 2005. FabJob Guide to Become a Boutique Owner. FabJob Publishers.
4. Pegler, Martin M. 2002. Visual Merchandising and Display. Fourth Edition. Fairchild Publications, New York.
5. Saxena, Rajan, 2005. Marketing Management. Third Edition. Tata McGraw Hill Education, New Delhi.

REFERENCE BOOK(S)

1. Burns, Leslie Davis and Bryant, Nancy O. 2011. The Business of Fashion: Designing, Manufacturing and Marketing. Fourth Edition. Fairchild Publications, New York.
2. Diamond, Jay and Diamond, Ellen. 2019. Fashion Retailing: A Multi-Channel Approach. Second Edition. Bloomsbury Visual Arts, New York.
3. Easey, Mike. 2009. Fashion Marketing. Third Edition. Wiley-Blackwell, United Kingdom.
4. Ebster, Claus and Garaus, Marion. 2015. Store Design and Visual Merchandising: Creating Store Space That Encourages Buying. Second Edition. Business Expert Press, New York.
5. Kotler, Philip and Keller, Kevin Lane. 2016. Marketing Management. Fifteenth Edition. Pearson Education, London.

E-RESOURCES

1. <https://www.fibre2fashion.com>
2. <https://nptel.ac.in>
3. <https://www.textilelearner.net>
4. <https://www.fashionunited.com>
5. <https://www.bis.gov.in>
6. www.nrf.com
7. www.shopify.com
8. www.entrepreneur.com
9. www.retaildoc.com
10. www.fashionista.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	2	1	2	1	1	1	1	1	3	2	2	1	2
CO2	3	2	2	1	2	1	1	2	1	1	3	2	2	2	2
CO3	3	3	2	2	3	2	2	2	1	2	3	3	2	2	3
CO4	3	3	3	2	3	2	2	2	2	2	3	3	3	2	3
CO5	3	3	3	3	3	2	2	3	2	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 2024-2025)

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

Semester: VI- EC-III-Visual Merchandising

Ins. Hrs./Week:4

Course Credit : 3

Course Code: U24FTE63B

UNIT-I: Fundamentals of Visual Merchandising (12 Hours)

Introduction-Definition, Need and importance for visual merchandising. Role of elements and principles in visual merchandising. Lighting and lighting systems in visual merchandising.

UNIT - II: Visual Merchandising Planning and Store Design (12 Hours)

Visual merchandising and planning, Setting up a display shop, Store planning and design- Visual merchandising and the changing face of Retail.

UNIT-III: Display Techniques, Store Presentation and Window Display (14 Hours)

Display and Display Settings-Types of displays: one-item display, line-of-goods display, related merchandise display, assortment display, promotional display, and institutional display. Types of display settings: realistic, environmental, semi-realistic, fantasy, and abstract settings.

Store and Window Settings – Exterior of the store: signs, marquees, outdoor lighting, banners, planters, and awnings. Window settings in storefronts: angled front, arcade front, corner display, closed-back window, open-back window, island display, shadow boxes, elevated display, and deep display.

Music and Lighting – Selection of music; advantages and disadvantages of using music; understanding lighting patterns; role of lighting in visual merchandising; colour schemes and types of lighting.

UNIT - IV: Mannequins, Fixtures and Store Props (12 Hours)

Mannequin - Types of mannequins - realistic- semi realistic- abstract- semi abstract- headless; Dressing up of mannequin. Alternatives to the mannequin- Dressing the three dimensional form. Fixtures: Fixtures- Visual merchandising dressing fixtures- Modular fixtures and system in store Planning. Furniture as Props.

UNIT - V: Visual Merchandising Techniques and Applications (10 Hours)

Visual Merchandising and Display Techniques – Attention-getting devices; familiar symbols; massing and proscenium display ideas; fashion accessories; graphics and signage; fashion shows and promotional events; career opportunities in visual merchandising.

Total Lecture Hours-60

COURSE OUTCOME:

The students will be able to

1. Explain the fundamentals, principles, and significance of visual merchandising in retailing.
2. Analyze store planning, design, and display techniques for effective visual presentation.
3. Apply display settings, lighting, and music to create attractive retail environments.
4. Utilize mannequins, fixtures, and props for effective store merchandising.
5. Evaluate visual merchandising strategies, promotional tools, and career opportunities in the retail sector.

TEXT BOOK(S)

1. Bhalla, Swati and Singh, Anurag.2010.Visual Merchandising.Tata McGraw Hill Education, New Delhi.
2. Diamond,Jay and Diamond, Ellen. 2013.Contemporary Visual Merchandising and Environmental Design. Fifth Edition. Pearson Education, New Delhi.
3. Jain, V.K. and Raghunath,N.2018.Retail Merchandising.S.Chand Publishing, New Delhi.
4. Morgan,Tony. 2016.Visual Merchandising: Window and In-Store Displays for Retail. Second Edition. Laurence King Publishing, London.
5. Pegler,Martin M. 2012.Visual Merchandising and Display.Sixth Edition. Fairchild Publications, New York.

REFERENCE BOOK(S)

1. Bell, Judith and Ternus, Kate.2012. Silent Selling: Best Practices and Effective Strategies in Visual Merchandising. Fourth Edition. Fairchild Books, New York.
2. Hethorn,Janet and Ulasewicz,Connie.2015.Sustainable Fashion: hat's Next? Fairchild Books,New York.
3. Posner,Harriet.2011.Marketing Fashion.Second Edition. Laurence King Publishing, London.
4. Easey, Mike. 2009. Fashion Marketing.Third Edition,Wiley-Blackwell, Oxford.
5. Quartier,Katelijjn and Vanrie,Jan. 2011.Retail Design: Lighting as a Design Tool.BIS Publishers, Amsterdam.

E-RESOURCES

1. <https://www.fibre2fashion.com>
2. <https://www.fashionunited.com>
3. <https://www.retaildesignblog.net>
4. <https://nptel.ac.in>
5. <https://www.youtube.com>
6. www.fashionnetwork.com
7. www.retaildoc.com
8. www.wgsn.com

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

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CO3	3	3	2	2	3	2	2	2	1	2	3	3	2	2	3
CO4	3	3	3	2	3	2	2	2	2	2	3	3	3	2	3
CO5	3	3	3	3	3	2	2	3	2	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 (2024-2025))

DEPARTMENT OF FASHION TECHNOLOGY

B.Sc., FASHION TECHNOLOGY AND COSTUME DESIGNING

Ins. Hrs./Week: 4	Semester: VI- EC-III-Fabric Care	Course Credit :3
		Course Code: U24FTE63C

UNIT-I: Laundry Soaps (12 Hours)

Water – hard and soft water; methods of water softening. Laundry soaps – types of soaps; manufacture of soap; composition and properties of soap. Soapless detergents – definition, manufacture, merits and demerits of detergents.

UNIT-II: Laundry Equipment (12 Hours)

Laundry equipment for storage, steeping, and washing. Types of equipment: washboard, suction washer, wash boiler, and washing machine. Drying equipment – outdoor and indoor types. Irons and ironing boards – types and uses.

UNIT-III: Stiffening (12 Hours)

Stiffening agents – starch and other stiffening agents; preparation of starch. Bleaching agents – types and applications of bleaching agents. Grease removers – grease solvents and grease absorbents. Laundry blues and their applications; optical blues.

UNIT-IV: Washing (12 Hours)

Principles of washing – kneading and squeezing. Methods of finishing and their principles – damping, ironing, pressing, steaming, mangling, and calendaring. Care and cleaning of irons. Laundering of different fabrics – cotton, linen, wool, coloured fabrics, silk, and rayon.

UNIT-V: Dry Cleaning (12 Hours)

Dry cleaning – definition and types. Stain removal – classification of stains: animal, vegetable, grease, dye, mineral, scorch, and grass stains. General rules and methods of stain removal.

Total Lecture Hours-60

COURSE OUTCOME:

The students will be able to

1. Explain the properties of water, soaps, and detergents used in laundry.
2. Identify and use various laundry equipment and appliances.
3. Apply stiffening, bleaching, and stain removal techniques in laundering.
4. Demonstrate appropriate washing and finishing methods for different fabrics.
5. Analyze dry-cleaning methods and fabric care practices for effective garment maintenance.

TEXT BOOK(S)

1. Gopalakrishnan,D.and Karthik,T.2020.Home Textiles.Astral International Pvt. Ltd.,New Delhi.
2. Reddy,S.2012. Household Textiles and Laundry Work.New Age International Publishers,New Delhi.
3. Seetharaman,P.2010.Textile Care and Laundry.CBS Publishers and Distributors Pvt. Ltd.,New Delhi.
4. Varghese,M.A.,Ogale,N.N.and Srinivasan,K.2017.Home Management.New Age International Publishers,New Delhi.
5. Wingate,I.B.1991.Textile Fabrics and Their Selection.Prentice Hall,New York.

REFERENCE BOOK(S)

1. Collier,B.J.and Tortora,P.G.2009.Understanding Textiles.Seventh Edition. Pearson Education, New Delhi.
2. Corbman,B.P.1983.Textiles: Fiber to Fabric.Sixth Edition. McGraw-Hill Book Company, New York.
3. Marsh,J.T.2002.An Introduction to Textile *Finishing*.Chapman and Hall, London.
4. Reddy,S.2012. Household Textiles and Laundry Work.New Age International Publishers, New Delhi.
5. Kadohph,S.J.2016,Textiles,Twelfth Edition.Pearson Education,New York,USA.

E-RESOURCES

1. <https://www.textilelearner.net>
2. <https://www.textileschool.com>
3. <https://www.fibre2fashion.com>
4. <https://www.cottoninc.com>
5. www.cleaninginstitute.org
6. www.textileworld.com
7. www.textilevaluechain.in
8. www.aatcc.org

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

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CO2	3	2	2	1	2	1	1	2	1	1	3	2	2	2	2
CO3	3	3	2	2	3	2	2	2	1	2	3	3	2	2	3
CO4	3	3	3	2	3	2	2	2	2	2	3	3	3	2	3
CO5	3	3	3	3	3	2	2	3	2	3	3	3	3	3	3

S-Strong (3)

M-Medium (2)

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SENGAMALA THAYAAR EDUCATIONAL TRUST WOMEN'S COLLEGE
(AUTONOMOUS)



SUNDARAKKOTTAI- MANNARGUDI -614016.

(For the candidate admitted in the academic year 2024-2025)

DEPARTMENT OF FASHION TECHNOLOGY

B.Sc., FASHION TECHNOLOGY AND COSTUME DESIGNING

Semester: VI- EC-IV-Export Trade and Documentation

Ins. Hrs./Week:4

Course Credit :3

Course Code:U24FTE64A

UNIT- I :Introduction to Export Market

(12 Hours)

Basics of international trade and its significance. Role of World Trade Organization(WTO) and regional economic groups in international trade. International trade statistics of textiles and apparel. Prospects for Indian apparel exports and SWOT analysis. Role of textile and apparel exports in the Indian economy. Major apparel importing and exporting countries.

UNIT- II: Export Business

(12 Hours)

Setting up of export business, export marketing organisation, product planning for export markets, export pricing and costing - International Commercial (Inco) Terms. Export correspondence - negotiations for export business. Export risk management and methods of payment in international trade.

UNIT - III :Trade

(12 Hours)

Domestic trade versus international trade - regional trade blocs - nature of foreign exchange market - main functions. Business environment – economic, social, technological and legal factors affecting international trade. Balance of trade and balance of payments.

UNIT- IV: Export Documentation and Procedures

(12 Hours)

Export Procedure- Inspection and Customs Clearance procedures. Shipping formalities. Export Documentation - types - transport documents- commercial documents- and regulatory documents. Marine Insurance General Information on Shipping - Types of Containers - Containerization - Air Transportation. Export Packaging - Introduction - Mechanical tests - Climatic tests - International Care labelling. Negotiation of documents and realization of export proceeds- procedure for obtaining various export incentives. Electronic documentation and digital trade documentation systems.

UNIT -V: EXIM Policy

(12 Hours)

EXIM policy of India. Various schemes for export promotion - duty drawback - duty exemption - duty remission. EOU - free trade zones - special economic zones - market access initiative - market development assistance - brand promotion - trading house - export houses - warehousing zones. Role of DGFT and Export Promotion Councils (EPCs) in export development.

Total Lecture Hours-60

COURSE OUTCOME:

The students will be able to

1. Demonstrate knowledge on need for exports and export trade statistics.
2. Demonstrate knowledge on need for exports and export trade statistics.
3. Identify the functions of international trade.
4. Demonstrate knowledge in export documentation and procedures.
5. Examine the EXIM policy and export promotion schemes

TEXT BOOK(S)

1. Balagopal,T.A.S.2005.Export Marketing. Himalaya Publishing House, Mumbai.
2. Dickerson,K.G.1998.Textiles and Apparel in the Global Economy.Third Edition. Prentice Hall, New Jersey, USA.
3. Khurana,P.K.2022.Export Management. Galgotia Publishing Company,New Delhi.
4. Jarnow,J.and Dickerson,K.G.1997.Inside the Fashion Business.Seventh Edition. Prentice Hall, New Jersey, USA.
5. Koshy,D.1996.Effective Export Marketing of Apparel.Global Business Press, New Delhi.

REFERENCE BOOK(S)

1. Cherunilam,F.2004. International Trade and Export Management.Himalaya Publishing House, Mumbai.
2. Government of India.2023.Foreign Trade Policy 2023.Ministry of Commerce and Industry, New Delhi.
3. Hearle,J.W.S.,Hines,T.and Suh,M.1997.Global Marketing of Textiles.Textile Institute Publications, Manchester.
4. Paras Ram.2001. Handbook of Import and Export Procedures.CBS Publishers and Distributors Pvt. Ltd., New Delhi.
5. Textile Institute.1995.Globalization: Technological, Economic and Environmental Imperatives.Textile Institute,Manchester.

E-RESOURCES

1. <https://www.textilelearner.net>
2. <https://www.fibre2fashion.com>
3. <https://nptel.ac.in>
4. <https://www.bis.gov.in>
5. <https://www.youtube.com>
6. <https://www.dgft.gov.in>
7. <https://www.commerce.gov.in>

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

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CO4	3	3	3	2	3	2	2	2	2	2	3	3	3	2	3
CO5	3	3	3	3	3	2	2	3	2	3	3	3	3	3	3

S-Strong (3)

M-Medium (2)

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

(For the candidate admitted in the academic year 2024-2025)

DEPARTMENT OF FASHION TECHNOLOGY

B.Sc., FASHION TECHNOLOGY AND COSTUME DESIGNING

Semester: VI- EC-IV-Apparel Entrepreneurship

Ins. Hrs./Week:4

Course Credit :3

Course Code: U24FTE64B

UNIT-I: Scope of Entrepreneurship

(12 Hours)

Introduction to entrepreneurship; development of entrepreneurship; role of entrepreneurs in the development of the apparel and fashion industry; entrepreneurship with reference to the fashion and apparel industry in India.

UNIT-II: Entrepreneurial Support Systems

(12 Hours)

Entrepreneurial support by State and Central Government institutions; financial institutions and support organizations; Entrepreneurship Development Programmes (EDPs); role of Micro, Small and Medium Enterprises (MSME), Small Industries Development Bank of India (SIDBI), National Small Industries Corporation (NSIC) and District Industries Centre (DIC) in entrepreneurship development; Startup India and Make in India initiatives; Government policies with reference to the textile and apparel industry.

UNIT-III : Entrepreneurship in Apparel Industry

(12 Hours)

Business planning; starting a new venture related to the apparel industry; essentials of a successful enterprise; location and plant layout; factors influencing plant location; building structure, lighting and ventilation; material handling; availability of labour; material management and transportation.

UNIT- IV: Management of New Enterprises

(12 Hours)

Financing of enterprises; various forms of business ownership; working capital management; break-even analysis; knowledge of taxation systems including Income Tax, GST, Customs Duty and registration and licensing procedures; growth strategies; corporate social responsibility; causes and prevention of industrial sickness.

UNIT-V: Intellectual Property Rights

(12 Hours)

Intellectual Property Rights (IPR); Intellectual Property Rights laws in India; patents, trademarks, industrial designs and copyrights; need and benefits of IPR registration; World Intellectual Property Organization (WIPO) and its activities; TRIPS Agreement.

Total Lecture Hours-60

COURSE OUTCOME:

The students will be able to

1. Explain the concepts, characteristics and significance of entrepreneurship in the apparel and fashion industry.
2. Describe the role of entrepreneurial support organizations, financial institutions and government initiatives in entrepreneurship development.
3. Develop business plans and identify opportunities for establishing apparel-related enterprises.
4. Analyze the financial, managerial and regulatory aspects involved in managing new enterprises.
5. Explain Intellectual Property Rights (IPR) and their importance in entrepreneurship and business development.

TEXT BOOK(S)

1. Bansal,S.2020.Entrepreneurship Development.Taxmann Publications, New Delhi.
2. Desai,V.2021.Entrepreneurship and Small Business Management.Second Edition. Himalaya Publishing House, Mumbai.
3. Hisrich,R.D.,Peters,M.P.and Shepherd,D.A.2023.Entrepreneurship.Twelfth Edition.McGraw-Hill Education, New York.
4. Khanka,S.S.2022.Entrepreneurial Development.S.Chand Publishing,New Delhi.
5. Kuratko,D.F.2021.Entrepreneurship:Theory, Process and Practice.Eleventh Edition.Cengage Learning, Boston.

REFERENCE BOOK(S)

1. Garmann, A. 2021. Fashion Entrepreneurship: Retail Business Planning. Fairchild Books, New York.
2. Harvard Business Review Press. 2018. Harvard Business Review on Entrepreneurship. Harvard Business Review Press, Boston.
3. Mariotti, S. and Glackin, C. 2023. Entrepreneurship and Small Business Management. Ninth Edition. Pearson Education, New York.
4. Rajagopal. 2021. Entrepreneurship and Rural Markets. McGraw Hill Education, New Delhi.
5. Taneja, S. and Gupta, S. L. 2020. Entrepreneurship Development. Galgotia Publishing Company, New Delhi.

E-RESOURCES

1. <https://nptel.ac.in>
2. <https://www.investindia.gov.in>
3. <https://www.startupindia.gov.in>
4. <https://hbr.org>
5. <https://www.fibre2fashion.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	2	1	2	1	1	1	1	1	3	2	2	1	2
CO2	3	2	2	1	2	1	1	2	1	1	3	2	2	2	2
CO3	3	3	2	2	3	2	2	2	1	2	3	3	2	2	3
CO4	3	3	3	2	3	2	2	2	2	2	3	3	3	2	3
CO5	3	3	3	3	3	2	2	3	2	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 2024-2025)

DEPARTMENT OF FASHION TECHNOLOGY

B.Sc., FASHION TECHNOLOGY AND COSTUME DESIGNING

Semester: VI- EC-IV-Clothing Comfort

Ins. Hrs./Week:4

Course Credit :3

Course Code: U24FTE64C

UNIT-I: Fundamentals of Clothing Comfort

(12 Hours)

Definition and importance of clothing comfort; types of comfort including physical-physiological- psychological and thermal comfort; factors affecting clothing comfort such as fabric- climate- body activity and garment fit; role of clothing comfort in garment design and consumer satisfaction.

UNIT II: Thermal Comfort and Heat Transfer

(12 Hours)

Concept of thermal comfort; mechanisms of heat transfer including conduction- convection- radiation and evaporation; regulation of body temperature in relation to clothing; thermal properties of textiles including insulation and breathability.

UNIT III: Moisture Management and Air Permeability

(12 Hours)

Moisture management in clothing; absorption- wicking and evaporation properties of textiles; air permeability and ventilation characteristics of fabrics; testing methods for moisture management and air flow.

UNIT IV: Fabric Properties and Comfort Performance

(12 Hours)

Influence of fiber type- yarn and fabric structure on comfort; effect of fabric finishes on comfort properties; fabric handle- drape- softness and stretch; comparative comfort performance of natural and synthetic fabrics.

UNIT-V: Psychological and Wear Comfort

(12Hours)

Psychological aspects of comfort including colour- style and cultural influences; garment fit- sizing and ergonomics; comfort in specialized clothing such as sportswear- protective clothing and medical textiles; consumer preferences and methods of comfort evaluation.

Total Lecture Hours-60

COURSE OUTCOME:

The students will be able to

1. Understand the fundamental concepts and types of clothing comfort and the factors influencing comfort.
2. Explain thermal comfort and mechanisms of heat transfer in relation to human body and textiles.
3. Analyze moisture management and air permeability properties of fabrics for comfort performance.
4. Evaluate the influence of fiber- yarn- fabric structure and finishes on clothing comfort.
5. Assess psychological and wear comfort in garments and apply comfort principles in clothing design.

TEXT BOOK(S)

1. Fan,J.and Hunter,L.2009. Engineering Apparel Fabrics and Garments. Woodhead Publishing, Cambridge.
2. Hollies,N.R.S.and Goldman,R.F.1977.Clothing Comfort: Interaction of Thermal, Ventilation,Construction and Assessment Factors.Ann Arbor Science Publishers, Michigan, USA.
3. Kadolph,S.J.2010.Textiles.Eleventh Edition. Pearson Education, New Delhi.
4. Li,Y.2001.The Science of Clothing Comfort.Textile Institute and Woodhead Publishing, Cambridge.
5. Slater,K.1985.Human Comfort.Charles C.Thomas Publishers,Springfield, Illinois, USA.

REFERENCE BOOK(S)

1. Das, S. 2010. Performance of Home Textiles. Woodhead Publishing, Cambridge.
2. Fourt, L. and Hollies, N. R. S. 1970. Clothing: Comfort and Function. Marcel Dekker, New York.
3. Gupta, D. 2011. Functional Clothing: Definition and Classification. Indian Journal of Fibre and Textile Research, 36(4), 321–326.
4. Scott, R. A. 2005. Textiles for Protection. Woodhead Publishing, Cambridge.
5. Song, G. 2011. Improving Comfort in Clothing. Woodhead Publishing, Cambridge.

E-RESOURCES

1. <https://www.textilelearner.net>
2. <https://www.fibre2fashion.com>
3. <https://nptel.ac.in>
4. <https://www.sciencedirect.com>
5. <https://www.researchgate.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	1	3	2	2	1	2
CO2	3	2	2	1	2	1	1	2	1	1	3	2	2	2	2
CO3	3	3	2	2	3	2	2	2	1	2	3	3	2	2	3
CO4	3	3	3	2	3	2	2	2	2	2	3	3	3	2	3
CO5	3	3	3	3	3	2	2	3	2	3	3	3	3	3	3

S-Strong (3)

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SENGAMALA THAYAAR EDUCATIONAL TRUST WOMEN'S COLLEGE
(AUTONOMOUS)



SUNDARAKKOTTAI- MANNARGUDI -614016.
(For the candidate admitted in the academic year 2024-2025)

DEPARTMENT OF FASHION TECHNOLOGY
B.Sc.- FASHION TECHNOLOGY AND COSTUME DESIGNING

Semester: VI - Value Education (Revised syllabus)

Ins. Hrs. /Week: 2

Course Credit: 2

Course Code: 24UGVED

OBJECTIVES

1. To understand the philosophy of life and values through Thirukural
2. To analyse the components of values education to attain the sense of citizenship
3. To understand different types of values towards National Integration and international understanding
4. To learn yoga as value education to promote mental and emotional health
5. 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.

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

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.ஐ.சி. பதிப்பு. ஸ்ரீமது திருக்குறள் மொழிபெயர்ப்பு. டி.ஐ.சி. பதிப்பு. ஸ்ரீமது திருக்குறள் மொழிபெயர்ப்பு, டி.ஐ.சி. பதிப்பு.
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 Thearpy - 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- Sedapptti- 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
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SUNDARAKKOTTAI- MANNARGUDI -614016.

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DEPARTMENT OF FASHION TECHNOLOGY

B.Sc.- FASHION TECHNOLOGY AND COSTUME DESIGNING

**Semester: VI – Professional Competency Course-Aptitude and Reasoning Skills for
Competitive Examinations**

Ins. Hrs. /Week: 2

Course Credit: 2

Course Code: U24PCFT61

Unit-I: Textiles

(06 Hours)

Textile terminologies- fibre, yarn, weave, fabric, classification of fibres, yarns and weaves, Identification of fibres and weaves. Manufacturing process of major natural and man made fibres, properties and their end. Different methods of fabric construction-woven, knitted and non-woven fabrics, their properties. Textile finishes-classification, processing and purposes of finishes .

Unit-II: Apparel Designing

(07 Hours)

Body measurements-procedure, needs, figure types and anthropometry, Equipment and tools used for manufacturing garments-advancements and attachments used for sewing. Types of machines used and their parts. Elements and principles of design and its application to apparel. Illustrations and parts of Garments. Fashion-Terminologies, fashion cycle, fashion theories, fashion adoption, fashion forecasting and factors affecting fashion. Pattern making-drafting, draping and flat pattern-making techniques, pattern alteration and dart manipulation techniques..

Unit-III: Family Studies

(05 Hours)

Dynamics of marriage and family relationships. Family welfare approaches, programmes and challenges, role in national Development. Domestic violence, marital disharmony, conflict, resolution of conflicts. Parent education, positive parenting, community education. Family disorganization, single parent families.

Unit-IV: Child/Human Development

(06 Hours)

Principles of growth and development, care during pregnancy, prenatal and neonatal development. Theories of human development and behaviour. Early childhood care and education – activities to promote holistic development. Influence of family, peers, school, community and culture on personality development.

Unit-V: Extension Management And Community Development

(06 Hours)

Historical perspectives of extension–genesis of extension education and extension systems in India and other countries, objectives of extension education and extension service, philosophy and principles of extension programme development. Programme management- need assessment, situation analysis, planning, organization, implementation, monitoring and evaluation. Extension methods and materials- interpersonal, small and large group methods, audiovisual aids-need, importance.

Total Lecture Hours-30

COURSE OUTCOME:

The students should be able to,

- 1.Acquire knowledge about different types of fabric and manufacturing process.
- 2.Analyze the apparel design and manufacturing
- 3.Develop a theoretical understanding of families and children.
- 4.Understand the physical, psychological, and social development of the individual from infancy to old age.
- 5.Understand the extension systems in India and community development.

TEXT BOOK(S)

1. Addivi, Reddy. 1987. Extension Education. Sree lakshmi press, Andrapradesh.
2. Ajit K. Singh. 2011. Family and Child Welfare Publisher, Centrum Press ISBN-10:9381293708, ISBN-13:978-9381293706
3. Bernard P. Corbman.2005. Textiles Fiber to Fabric. Sixth edition, McGraw Hill International Editions, New Delhi.
4. Hurlock E.B., (1972). Child Development, New York: McGraw Hill Book company
5. Krathwohl, D. R. (2002) A Revision of Bloom's Taxonomy. (PDF) in Theory into Practice.

REFERENCE BOOK(S)

1. Gohl EP and vilensky LD. 1983. Textile Science. 2nd Ed., Publishers, NewDelhi.
2. Dahama OP and Bhat Nagar OP. 1985. Extension and Communication for Development. Oxford and IBH Publishing Company. New Delhi.
3. Varghese MA. Ogale, Srinivasan K.1992. Home Management. Wiley Eastern Ltd.
4. McCurdy Karen and Jones, Elizabet. 2000. Supporting Families Lessons from the Field. Sage Publications, USA.
5. Mathur, Hari Mohan.1992. The Family Welfare Programmes in India. Vikas Publishing House, New Delhi.

E- RESOURCES

- 1.<https://egyankosh.ac.in/bitstream/123456789/92818/1/Block-2.pdf>
- 2.<https://egyankosh.ac.in/bitstream/123456789/42204/1/Unit-1.pdf>
- 3.https://en.wikipedia.org/wiki/Family_studies
- 4.https://en.wikipedia.org/wiki/Child_development
- 5.<https://textilelearner.net/classification-of-textile-fibers/>

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

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CO3	3	3	3	2	3	2	2	2	2	2	3	3	3	3	3
CO4	3	3	3	2	3	2	2	2	2	2	3	3	3	3	3
CO5	3	3	3	3	3	2	2	3	2	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 2024-2025)

DEPARTMENT OF FASHION TECHNOLOGY

B.Sc.- FASHION TECHNOLOGY AND COSTUME DESIGNING

Semester: VI – Gender Studies

Ins. Hrs. /Week: 1

Course Credit: 1

Course Code: 24UGGS

OBJECTIVES:

1. To make students to aware of Gender constructions and gendering Process
2. To explore existing gender biases in the society and to understand the need to work towards the inclusive society
3. To inculcate sensitivity and build gender perspectives.
4. To use the course to bring attitudinal cum behavioral changes towards gender neutral ambience and promote the humanistic values

UNIT- I INTRODUCTION TO GENDER STUDIES CONCEPTS

Gender Spectrum.-Sex – Gender distinction – Biological Determinism – Patriarchy – Feminism –Gender Socialization and Stereotyping-Gender Discrimination – Gender Division of labour and roles– Gender Sensitivity and awareness – Gender Equity – Equality – Gender Main streaming and Gender Analysis.

UNIT- II UGC INITIATIVES ON WOMEN'S STUDIES

Definition of Women's Studies –Gender Studies –UGC Initiatives and guidelines on Women's Studies - Beijing Conference- UN Initiatives – Convention on Elimination of All forms of Discrimination Against Women (CEDAW)- Sustainable Development Goals on Gender Equality (SDG 5) and targets.

UNIT- III AREAS OF GENDER DISCRIMINATION

Gender Socialization- Sex Ratio– Health and Nutrition– – Literacy and Education Employment- Governance – participation in decision making- politics- property rights and access to credit- gender based violence- Social institutions –Family- Caste- Class- religion- gender- State. Market – Media – Politics – Judiciary.

UNIT -IV WOMEN DEVELOPMENT AND GENDER EMPOWERMENT

Towards Equality Report of Status of Women in India 1974 – International Women's Decade – International Women's Year – National Policy for Empowerment of Women 2001.

UNIT -V WOMEN'S MOVEMENTS AND SAFEGUARDING MECHANISM

In India National /State Commission for Women(NCW) – All Women Police Station – Family Court Legislations safeguarding women –Transgender Policy—Constitutional amendments for women's political participation.

UNIT - VI CURRENT CONTOURS: (for continuous internal assessment only)

Tamil Nadu State Policy for Women 2021- National Policy for Women 2015 – Prevention of Sexual Harassment at Work places Act 2013- Protection of Children from Sexual Offences Act- 2012 - Analysis of regressive and progressive High court and supreme court judgments- women proactive policies- programmes- interventions

COURSE OUTCOMES

- Students would have gained a perspective and understood the social reality of gender society understood the differences of gender and sex and may resort to building alternative perspectives and critical thinking.
- Gained knowledge on the various social institutions governing gender and the intersectionality.
- Exposed to the kind of initiatives of the State towards gender equality

REFERENCE BOOK(S)

1. Bhasin Kamala- Understanding Gender : Gender Basics - New Delhi : Women Unlimited - 2004
2. Bhasin Kamala- Exploring Masculinity: Gender Basics - New Delhi: Women Unlimited -2004
3. Bhasin Kamala - What is Patriarchy? : Gender Basics- New Delhi :Women Unlimited -1993
4. Arya Sadhna Women -Gender Equality and the State -New Delhi :Deep &Deep Publication -2000
- 5.“□□□□□ □□□□□□□□ □□□□□□□□ □□□□□□□□. □□□□□: □□□□□ □□□□□□□□□□□□.”
6. Mishra .O.P-Law Relating to Women &Child -Allahabad :Central Law Agency -2001
7. Uma Chakravarti- Gendering Caste Through a Feminist Lens- Sage Publication 2003.
8. Bhattacharya Malini - Sexual Violence and Law -Kolkata; West Bengala Commission for Women -2002
9. Sexual Harassment at the Workplace – A Guide - New Delhi ;Sakshi-1999
- 10.□□□□□□□ □□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□,2005.□□□□□:□□□□□□□□□□□□□□□□, 2005.”
11. <https://www.schooloflegaleducation.com/women-and-law-in-india-e-book/>