ALAGAPPA UNIVERSITY

(A State University Established in 1985)

Karaikudi - 630003. Tamil Nadu, India

2017 Accredited with A+ Grade by NAAC (CGPA : 3.64)

2018 MHRD Govt of India UGC Graded as Category - 1 Granted Autonomy

2018 MHRD Swachh Campus Rank : 4

2021 nirf National Institutional Ranking Framework Rank : 33

2021 QS University Rankings Asia Rank : 199

FACULTY OF EDUCATION

ALAGAPPA INSTITUTE OF SKILL DEVELOPMENT

M.Voc., FASHION TECHNOLOGY

REGULATIONS AND SYLLABUS

(For the candidates admitted from the Academic Year 2022 - 2023)

ALAGAPPA INSTITUTE OF SKILL DEVELOPMENT
M.Voc. FASHION TECHNOLOGY

REGULATIONS AND SYLLABUS

[For the candidates admitted from the Academic Year 2022 – 2023 onwards]

ALAGAPPA UNIVERSITY
(A State University Accredited with –A+‖ grade by NAAC (CGPA: 3.64) in the Third Cycle and Graded as Category-I University by MHRD-UGC)
Karaikudi -630003, Tamil Nadu.

THE PANEL OF MEMBERS-BROAD BASED BOARD OF STUDIES

Chairperson: Dr. C. Vethirajan,Director i/c Alagappa Institute of Skill Development, Alagappa University,Teaching Experience: 27 Years, Research Experience: 20 Years, Area of Research: Corporate Finance, Corporate Taxation, Investors' Protection – SEBI, Customer Relationship Management, Women Entrepreneurs – HRM Competencies, Corporate Social Responsibility Corporate Financial Reporting, Environmental Protection, Corporate Stakeholders Interest.	
Foreign Expert: Dr. Seshadri Ramkumar,Professor Department of Environmental Toxicology, Texas Tech University,Teaching Experience: 40 Years Research Experience: 39 Years, Area of Research: Advanced Materials	
Indian Expert: Dr. J. Hayavadana,Professor & Head Department of Textile Technology, Osmania University,Teaching Experience: 35 Years Research Experience: 34 Years, Area of Research: Fabrication and Techno Economics of Textile production and intra discipline Projects Linking Industry with Institute & Lean & Six sigma	
Indian Expert: Dr. S. Nickolas, Professor in Computer ApplicationNational Institute of Technology, Teaching Experience: 30 Years, Research Experience: 15 Years, Area of Research: Data Mining, Big Data Analytics, Cloud Computing and High Performance Computing.	
Industry Expert: Ms.Neethu Deepak ,General Manager Opuu Fashion private Limited, Chennai,Experience:20 Years, Area: Design and Product Development	
Industry Expert: Mr. A. Arockia Arulnathan, Senior Automation Developer K7 Computing Pvt.Ltd, Chennai,Experience:07 Years,Area: Automation	
Special Invitee Dr. B.Senthil Kumar, Assistant Professor in Textile Engineering Department of Rural Industries and Management,Gandhigram Rural Institute – Deemed University,Teaching Experience:16 Years, ResearchExperience: 12 Years, Area of Research: Clothing Technology, Antimicrobial Textiles, Medical textilestructures & natural dyes, Advance Textile Reinforced Composite Structures, TQM /LEAN applications in Textile & Clothing industries.	

Special Invitee Mr. Dinesh Paranthagan,Founder & CEO Hackup TechnologyEthical Hacker | Pen Tester,Experience:07 Years, Area: Hacking	
Special Invitee Dr.M.Sutha , Associate Professor Department of Tamil, Alagappa University,Teaching Experience:16 Years, Research Experience: 18 Years, Area of Research: Sangam literature to Modern literature specialization: Kappiyangal, Comparative literature.	
Special Invitee Dr.S.Valliammai , Assistant Professor Department of English and Foreign Languages, Alagappa University,Teaching Experience:14 Years, Research Experience:10 Years, Area of Research: English Language Teaching	
Alumnus/Alumna: Ms.B.Suganthi,CAD Operator,Industry, SRV Knit Garments, Perumanallur, Tirupur, Tamil Nadu, India	

ALAGAPPA UNIVERSITY
ALAGAPPA INSTITUTE OF SKILL DEVELOPMENT
Karaikudi -630003, Tamil Nadu.

REGULATIONS AND SYLLABUS - (CBCS-University Department)
[For the candidates admitted from the Academic Year 2022 – 2023 onwards]

Name of the Department : Alagappa Institute of Skill Development

Name of the Programme : M.Voc.,Fashion Technology

Duration of the Programme : Full Time (Two Years)

Choice-Based Credit System
A choice-Based Credit System is a flexible system of learning. This system allows students to gain knowledge at their own tempo. The student shall decide on electives from a wide range of elective courses offered by the University Departments in consultation with the Department committee. Students undergo additional courses and acquire more than the required number of credits. They can also adopt an inter- disciplinary and intra-disciplinary approach to learn, and make the best use of the expertise of available faculty.

Programme
Programme means a course of study leading to the award of a degree in a discipline.

Courses
Course' is a component (a paper) of a programme. Each course offered by the Department is identified by a unique course code. A course contains lectures/ tutorials / laboratory / seminar / project / practical training / report writing / Viva-voce or a combination of these, to meet effectively the teaching and learning needs.

Credits
The term ―Credit‖ refers to the weightage given to a course, usually in relation to the instructional hours assigned to it. Normally in each of the courses credits will be assigned on the basis of the number of lectures/tutorials /laboratory and other forms of learning required to complete the course contents in a 15-week schedule. One credit is equal to one hour of lecture per week. For laboratory/field work one credit is equal to two hours.

Semesters
An Academic year is divided into two Semesters. In each semester, courses are offered in 15 teaching weeks and the remaining 5 weeks are to be utilized for conduct of examination and evaluation purposes. Each week has 30 working hours spread over 5 days a week.

Medium of instruction
English

Departmental committee

The Departmental Committee consists of the faculty of the Department. The Departmental Committee shall be responsible for admission to all the programmes offered by the Department including the conduct of entrance tests/selection, verification of records, admission, and evaluation. The Departmental Committee determine the deliberation of courses and specifies the allocation of credits semester-wise and course- wise. For each course, it will also identify the number of credits for lectures, tutorials, practicals seminars etc. The courses (Core/Discipline Specific Elective/Non-Major Elective) are designed by teachers and approved by the Departmental Committees. Courses approved by the Departmental Committees shall be approved by the Board of Studies. A teacher offering a course will also be responsible for maintaining attendance and performance sheets (CIA -I, CIA-II, assignments and seminar) of all the students registered for the course. The Non-major elective programme and MOOCs coordinator are responsible for submitting the performance sheet to the Head of the department. The Head of the Department consolidates all such performance sheets of courses pertaining to the programmes offered by the department. Then forward the same to be Controller of Examinations.

Program Educational Objectives (PEO)

PEO1	To instruct students with worldwide perspective on fashion design concepts, consumer trends, quality management.
PEO2	Students able to learn recent technological advancement in apparel and textile sector.
PEO3	To understand quality management followed in industry and learnt about viable technologies through digital tools and smart materials.
PEO4	To impart knowledge in communication and soft skills this makes global competent graduates.
PEO5	Get exposure in industrial sector to make them specialize in different process carried out in industry and responsibilities held by the managers.
PEO6	Encourage students to identify the local issues and take up project in sustainable areas.
PEO7	Educate students to understand ethical and leadership qualities which are necessary for team work.
PEO8	Develop critical thinking and environmental adoption in context with sustainable development.
PEO9	Undergo internship training with garment industry and fashion boutique to gain hands on experience and improve their skills.
PEO10	Create confidence about themselves to chosen up their carrier.

Program Outcomes (PO)

PO1	Develop knowledge on fashion design concepts, pertinent technology elements and current fashion styling and trends.	K1
PO2	Create strong and in depth knowledge in the technical areas of textiles includes smart textiles, technical textiles and intelligent textiles. .	K1

PO3	Familiarize students with transnational perspective on fashion design concepts, consumer trends, quality, intelligent wearable technologies through digital tools and smart materials	K2
PO4	Be globally competent in fashion and apparel industry, entrepreneurship through effective communication, soft skills to address the social issues	K2
PO5	Enable students to become entrepreneurs or managers in companies specializing in production, distribution or commercialization in the fashion context.	K3
PO6	The students able to take up research project in the current problems and identify the solutions.	K3
PO7	Evaluate the environmental and ethical implications of different production process in fashion and apparel industry.	K4
PO8	Assess the effectiveness of different marketing strategies in promoting fashion brand and to work effectively as a member or in a team.	K5
PO9	Generate fashion business plans that address industry challenges and opportunities.	K6
PO10	Students can become academician with thorough knowledge gained in their post-graduation and create portfolio with acquired knowledge	K6

Program Specific Objectives (PSO)

PSO1	To inculcate the students with Technical, Generic and Industry specific skills related to Fashion Technology for better employment possibilities and to open avenues forself-employment
PSO2	Encourage students to explore innovative avenues in fashion industry, while working independently or concerns related to apparel and fashion industry
PSO3	To provide hands on training in designing, CAD, textile testing and overview of garment Industry.
PSO4	To empower the students in terms of career goals, decision making and livelihood options.
PSO5	Design and develop ideas and concepts required for the garment and fashion Industries and find solution for real time problems of fashion and garment industry

Program Specific Outcomes (PSO)

PSO1	The students will have the basic foundation in designing and have the ability to visually represent it by illustrations, photographs, graphics and visual display of merchandise	K1
PSO2	Understand the research based knowledge including, design experiment, selection of hypotheses, data collection, interpretation and valid conclusion and suggestion.	K2
PSO3	Apply the specified and technical knowledge to fashion and apparel industry as well the thrust area in R&D	K3
PSO4	Experiment and select the computer aided designing software to covert design ideas into 2D and 3D forms.	K5

PSO5	Develop successful graduates in manufacturing, quality assurance, product design and development, and technical sales and promotion of apparel manufacturing industry	K6

Eligibility for admission

1) For Admission

A candidate who is a graduate of this University or any recognized University in the main subject / subjects as given below against each or who has passed an examination accepted by the Syndicate, as equivalent there to.

M.Voc.,Fashion Technology	:B.Voc.,degree in Fashion Technology /B.Sc., degree in Fashion Technology / Costume Design & Fashion / Apparel &Fashion Designing / Fashion Technology & Costume Design /any UG degree with core / allied papers related to Fashion Technology / Apparel or any qualification equivalent theretoin10+2+3pattern with55%marksinPartIII (for SC/STcandidates50%) OR Any UG Degree (equivalent thereto in 10+2+3 pattern)with Diploma/ PG Diploma related to Fashion Technology/ Fashion Designing /Apparel with 55% marks in Part III (for SC/ST candidates50%)

FOR THE DEGREE

The candidates shall have subsequently undergone the prescribed programme of study in Alagappa Institute of Skill Development, Alagappa University for not less than two academic years comprising 4 semester, passed the examinations prescribed and fulfill such conditions as have been prescribed therefore.

DURATION

The Programme is for a period of two years. Each year shall consist of two semesters viz. Odd and Even semesters. Odd semesters shall be form June / July to October / November and Even semesters shall be from November / December to April / May. Each semester there shall be 90 working days consisting of 6 teaching hours per working day (5 days / week).

Components

A PG programme consists of a number of courses. The term ―course‖ is applied to indicate a logical part of the subject matter of the programme and is invariably equivalent to the subject matter of a ―paper‖ in the conventional sense. The following are the various categories of the courses suggested for the PG programmes:

A. Core courses (CC)- ―Core Papers‖ means the core courses‖ related to the programme concerned including practicals and project work offered under the programme and shall cover Core competency, critical thinking, analytical reasoning, and research skill.

B. Discipline-specific electives (DSE) means the courses offered under the programme related to the major but are to be selected by the students, and shall cover additional academic knowledge, critical thinking, and analytical reasoning.

C. Non-Major Electives (NME)- Exposure beyond the discipline

- Students have to undergo a total of Non-Major Elective courses with 2 credits offered by other departments (one in II Semester and another in III Semester)

- A uniform time frame of 3 hours on a common day (Tuesday) shall be allocated for the Non-Major Electives
- Non-Major Elective courses offered by the departments pertaining to a semester should be announced before the end of the previous semester.
- Registration process: Students have to register for the Non-Major Elective course within 15 days from the commencement of the semester either in the department or NME portal (University website).

D. Self-Learning Courses from MOOCs platforms.

- MOOCs shall be voluntary for the students.
- Students have to undergo a total of 2 Self Learning Courses (MOOCs) one in II semester and another in III semesters.
- The actual credits earned through MOOCs shall be transferred to the credit plan of programmes as extra credits. Otherwise 2 credits/course be given if theself Learning Course (MOOCs) is without credit.
- While selecting the MOOCs, preference shall be given to the course related to employability skills.

E. Projects / Dissertation /Internships (Maximum Marks: 200)

The student shall undertake the Project/Dissertation/internship during the fourth semester.

Project/Dissertation

- **Plan of work**

Project/Dissertation

The candidate shall undergo Project/Dissertation Work during the final semester. The candidate should prepare a scheme of work for the dissertation/project and should get approval from the guide. The candidate, after completing the dissertation /project work, shall be allowed to submit it tothe university departments at the end of the final semester. If the candidate is desirous of availing the facility from other departments/ universities/ laboratories/organizations they will be permitted only after getting approval from the guide and HOD. In such a case, the candidate shall acknowledge the same in their dissertation/ project work.

- **Format to be followed for dissertation/project report**

The format /certificate for thesis to be followed by the student are given below

- Title page
- Certificate
- Acknowledgment
- Content as follows:

Chapter No	Title	Page number
1	Introduction	
2	Aim and objectives	
3	Review of literature	
4	Materials and methods	
5	Result	
6	Discussion	
7	Summary	
8	References	

- **Format of the title page**

Title of Dissertation/Project work

Dissertation submitted in partial fulfilment of the requirement for the degree of Master ofScience in_____to the Alagappa University, Karaikudi -630003.

By

(Student Name)

(Register Number)

University Logo

Department of

Alagappa University

(*A State University Accredited with "A+" grade by NAAC (CGPA: 3.64) in the Third Cycleand Graded as Category-I University by MHRD-UGC, 2019: QS ASIA Rank-216, QS BRICS Rank-104, QS India Rank-20*)

Karaikudi – 630003 (Year)

- **Format of certificates**

Certificate -Guide

This is to certify that the thesis entitled ‒----------‖ submitted to Alagappa University, Karaikudi-630 003 in partial fulfilment for the degree of Master of Science in ---------- by Mr/Miss ---------- (Reg No:----------) under my supervision. This is based on the results of studies carried out by him/her in the Department of, Alagappa University, Karaikudi-630 003. This dissertation/Project or any part of this work has not been submitted elsewhere for any other degree, diploma, fellowship, or any other similar titles or record of any University or Institution.

Place: Karaikudi Research Supervisor

Date:_____

Certificate - (HOD)

This is to certify that the thesis entitled **"----------"** submitted by **Mr/Miss ----------** **(Reg No ----------)** to the Alagappa University, in partial fulfilment for the award of the

degree of **Master of --------**in ---------- is a bonafide record of research work done under the supervision of **Dr.----------,** Assistant Professor, Department of----------, Alagappa University. This is to further certify that the thesis or any part thereof has not formed the basis of the award to the student of any degree, diploma, fellowship, or any other similar title of any University or Institution.

Place: Karaikudi

Date:__

Head of theDepartment

Declaration (student)

I hereby declare that the dissertation entitled **"----------"** submitted to Alagappa University for the award of the degree of Master of -------- in----------has been carried out by me under the guidance of **Dr. ----------**, Assistant Professor, Department of----------, Alagappa University, Karaikudi – 630 003. This is my original and independent work and has not previously formed the basis of the award of any degree, diploma, associateship, fellowship,or any other similar title of any University or Institution.

Place: Karaikudi
Date:

(----------)

Internship

The students shall undergo Internship / industrial training in the reputed organizations for minimum of two weeks to acquire industrial knowledge during the summer vacation of second semester. The students have to find industry related to their discipline (Public limited/Private Limited/owner/NGOs etc.) in consultation with the faculty in charge/Mentor and get approval from the Head of the Department and Departmental Committee before going for an internship / industrial training.

Format to be followed for Internship report

The format for internship report to be followed by the student are given below

- **Format of the title page**

Title of internship report

Internship report submitted in partial fulfillment of the requirement for the Master of Science inFisheries Science to the Alagappa University, Karaikudi - 630003.

By (Student Name)
(Register Number)
University Logo

Department of _____

Alagappa University

(A State University Accredited with "A+" grade by NAAC (CGPA: 3.64) in the ThirdCycle and Graded as Category-I University by MHRD-UGC, 2019: QS ASIA Rank- 216, QS BRICS Rank-104, QS India Rank-20)

Karaikudi – 630003
(Year)

- **Format of certificate**

(Faculty in-charge)

This is to certify that the internship report entitled ----------‖ submitted to Alagappa University, Karaikudi-630 003 in partial fulfilment for the Master of Science in------- by Mr/Miss ---------- (Reg. No.:----------) under my supervision. This is based on the work carried out by him/her in the organization M/S ---------- --. This Internship report or any part of this work has not been submitted elsewhere for any other degree, diploma, fellowship, or any other similar record of any University or Institution.

Place: Research Supervisor
Date:_____

(HOD)

This is to certify that the Internship report entitled ----------‖ submitted by Mr./Miss.- ---------- (Reg No:----------) to the Alagappa University, in partial fulfilment for the award of the Master of Science in_____is a bonafide record of Internship report done under the supervision of ----------, Assistant Professor, Department of ----------, Alagappa University and the work carried out by him/her in the organization M/S ----------. This is to further certify that the thesis or any part thereof
has not formed the basis of the award to the student of any degree, diploma, fellowship, or any other similar title of any University or Institution.

Place: Karaikudi
Date:_____

Head of the Department

(Company supervisor or Head of the Organization)

This is to certify that the Internship report entitled ―----------‖ submitted to Alagappa University, Karaikudi-630 003 in partial fulfilment for the Master of Sciencein _____by Mr./Miss ---------- (Reg No -------) under my supervision. This is based on the work carried out by him/her in our organization M/S ---------- for theperiod of --. This Internship report or any part of this work has not been submitted elsewhere for any other degree, diploma, fellowship, or any other similar record of any University or Institution.

Place: Supervisor or In charge
Date:_____

Declaration (student)

I hereby declare that the Internship Report entitled ----------‖ submitted to the Alagappa University for the award of the Master of Science in_____has been carried out byme under the supervision of----------, Assistant Professor, Department of ----------, Alagappa University, Karaikudi – 630 003. This is my original and independent work carried out by me in the organization M/S ---------- for the period of ------ and has not previously formed the basis of the award of any degree, diploma, associateship, fellowship, or any other similar title of any University or Institution.

Place: Karaikudi (----------)
Date:_____

- Acknowledgment
- Content as follows:

Teaching methods

The teacher delivers the lecture and provides some time after the lecture for discussion among the students and teacher in the classroom. The student‘s views, comments experiences, problems, difficulties in understanding any point or portion of the lecture come to teacher‘s knowledge and teacher replies, and clarifies the doubts. It is an important strategy in stimulating the student‘s interests and assesses their understanding of the concept.

In the laboratory the instruction was given associated with their course, the students are allowed to attend the demonstration and allow them to do the experiment individually. Skill oriented workshop and demo classes are arranged with industrial experts

Periodic tests would be conducted and for the students of slow learners would be given special attention.

Attendance

Students must have earned 75% of attendance in each course for appearing for the examination. Students who have earned 74% to 70% of attendance need to apply for condonation in the prescribed form with the prescribed fee. Students who have earned 69%to 60% of attendance need to apply for condonation in the prescribed form with the prescribed fee along with the Medical Certificate. Students who have below 60% of attendance are not eligible to appear for the End Semester Examination (ESE). They shall re-do the semester(s) after completion of the programme

Examination

The examinations shall be conducted separately for theory and practical's to assess (remembering, understanding, applying, analysing, evaluating, and creating) the knowledge required during the study. There shall be two systems of examinations viz., internal and external examinations. The internal examinations shall be conducted as Continuous InternalAssessment tests I and II (CIA Test I & II).

A. Internal Assessment

The internal assessment shall comprise a maximum of 25 marks for each subject. Thefollowing procedure shall be followed for awarding internal marks.

Theory -25 marks

Sr.No	Content	Marks
1	Average marks of two CIA test	15
2	Seminar/group discussion/quiz	5
3	Assignment/field trip report/case study report	5
	Total	25

Practical -25 Marks

1	Average marks of two CIA test	15 marks
2	Attendance	2 marks
3	Observation note book	8 marks
	Total	25 Marks

Internship- 25 Marks (assess by Guide/incharge/HOD/Supervisor)

1	Presentations	15 Marks
2	Progress report	10 Marks
	Total	25 Marks

Project/Dissertation -50 Marks (assess by Guide /incharge /HOD/ Supervisor)

1	Two presentations (mid-term)	30 Marks
2	Progress report	20 Marks
	Total	50 Marks

B. External Examination

- There shall be examinations at the end of each semester, for odd semesters in the month of October / November; for even semesters in April / May.
- A candidate who does not pass the examination in any course(s) may be permitted to appear in such failed course(s) in the subsequent examinations to be held in October / November or April / May. However, candidates who have arrears in Practical shall be permitted to take their arrear Practical examination only along with Regular Practical examination in the respective semester.
- A candidate should get registered for the first-semester examination. If registration is not

possible owing to a shortage of attendance beyond condonation limit/regulation prescribed OR belated joining OR on medical grounds, the candidates are permitted to move to the next semester. Such candidates shall re-do the missed semester after completion of the programme.

- For the Project Report/ Dissertation Work the maximum marks will be 100 marks for project report evaluation and for the Viva-Voce it is 50 marks
- For the Internship the maximum marks will be 50 marks for project report evaluation and for the Viva –Voce it is 25 marks.
- Viva-Voce: Each candidate shall be required to appear for the Viva-Voce Examination (in defense of the Dissertation Work / Internship).

C. Scheme of External Examination (Question Paper Pattern)

Theory - Maximum 75 Marks

Section A	10 questions. All questions carry equal marks. (Objective-type questions)	10 x 1 = 10 Marks	10 questions – 2 each from every unit
Section B	5 questions Either / or type like 1.a (or) b. All questions carry equal marks	5 x 5 = 25	5 questions – 1 eachfrom every unit
Section C	5 questions Either / or type like 1.a (or) b. All questions carry equal marks	5 x8 = 40	5 questions – 1 eachfrom every unit

Practical –Maximum 75 Marks

Section A	Major experiment	15 Marks
Section B	Minor experiment	10 Marks
Section C	Experimental setup	5 Marks
Section D	Spotters (5 spotters x5 marks)	25 Marks
Section E	Record note	10 Marks
Section F	Vivo voce	10 Marks

Dissertation /Project report Maximum 150 Marks

Dissertation /Project report	100 Marks
Vivo voce	50 Marks

Internship report Maximum 75 Marks

Internship report	50 Marks
Vivo voce	25 Marks

Results

The results of all the examinations will be published through the Department where thestudent underwent the course as well as through University Website

Passing minimum

- A candidate shall be declared to have passed in each course if he/she secures not less than 40% marks in the End Semester Examinations and 40% marks in the Internal Assessment and not less than 50% in the aggregate, taking Continuous assessment and EndSemester Examinations marks together.
- The candidates not obtained 50% in the Internal Assessment are permitted to improve their Internal Assessment marks in the subsequent semesters (2 chances will be given) by writing the CIA tests and by submitting assignments.
- Candidates, who have secured the pass marks in the End-Semester Examination and inthe CIA but failed to secure the aggregate minimum pass mark (E.S.E + C I.A), are permitted to improve their Internal Assessment mark in the following semester and/or in University examinations.
- A candidate shall be declared to have passed in the Project / Dissertation / Internshipif he /she gets not less than 40% in each of the Project / Dissertation / Internship and Viva- Voce and not less than 50% in the aggregate of both the marks for Project / Dissertation / Internship Report and Viva-Voce.
- A candidate who gets less than 50% in the Project Report must resubmit the Project Report. Such candidates need to take again the Viva-Voce on the resubmitted Project.

Grading of the Courses

The following table gives the marks, Grade points, Letter Grades and classificationsmeant to indicate the overall academic performance of the candidate.

Conversion of Marks to Grade Points and Letter Grade (Performance in Paper / Course)

RANGE OF MARKS	GRADE POINTS	LETTER GRADE	DESCRIPTION
90 - 100	**9.0 – 10.0**	**O**	**Outstanding**
80 - 89	**8.0 – 8.9**	**D+**	**Excellent**
75 - 79	**7.5 – 7.9**	**D**	**Distinction**
70 - 74	**7.0 – 7.4**	**A+**	**Very Good**
60 - 69	**6.0 – 6.9**	**A**	**Good**
50 - 59	**5.0 – 5.9**	**B**	**Average**
00 - 49	**0.0**	**U**	**Re-appear**
ABSENT	**0.0**	**AAA**	**ABSENT**

a) Successful candidates passing the examinations and earning GPA between 9.0 and 10.0and marks from 90 – 100 shall be declared to have Outstanding (O).
b) Successful candidates passing the examinations and earning GPA between 8.0 and 8.9and marks from 80 - 89 shall be declared to have Excellent (D+).
c) Successful candidates passing the examinations and earning GPA between 7.5 – 7.9 andmarks from 75 - 79 shall be declared to have Distinction (D).
d) Successful candidates passing the examinations and earning GPA between 7.0 – 7.4 andmarks from 70 - 74 shall be declared to have Very Good (A+).
e) Successful candidates passing the examinations and earning GPA between 6.0 – 6.9 andmarks from 60 - 69 shall be declared to have Good (A).
f) Successful candidates passing the examinations and earning GPA between 5.0 – 5.9 andmarks from 50 - 59 shall be declared to have Average (B).
g) Candidates earning GPA between 0.0 and marks from 00 - 49 shall be declared to haveRe-appear (U).

h) Absence from an examination shall not be taken as an attempt.

From the second semester onwards the total performance within a semester and continuous performance starting from the first semester are indicated respectively **by Grade Point Average (GPA) and Cumulative Grade Point Average (CGPA).** These two are calculatedby the following formulate

GRADE POINT AVERAGE (GPA) = $\sum_i C_i \ G_i / \sum_i C_i$

GPA = Sum of the multiplication of Grade Points by the credits of the courses
Sum of the credits of the courses in a Semester

Classification of the final result

CGPA	Grade	Classification of Final Result
9.5 – 10.0 9.0 and above but below 9.5	**O+** **O**	First Class – Exemplary*
8.5 and above but below 9.0 8.0 and above but below 8.5 7.5 and above but below 8.0	**D++D+** **D**	First Class with Distinction*
7.0 and above but below 7.5 6.5 and above but below 7.0 6.0 and above but below 6.5	**A++** **A+ A**	First Class
5.5 and above but below 6.0 5.0 and above but below 5.5	**B+** **B**	Second Class
0.0 and above but below 5.0	**U**	Re-appear

The final result of the candidate shall be based only on the CGPA earned by the candidate.

a) Successful candidates passing the examinations and earning CGPA between 9.5 and 10.0 shall be given Letter Grade (O+), those who earned CGPA between 9.0 and 9.4 shall be given Letter Grade (O) and declared to have First Class –Exemplary*.
b) Successful candidates passing the examinations and earning CGPA between 7.5 and 7.9 shall be given Letter Grade (D), those who earned CGPA between 8.0 and 8.4 shall be given Letter Grade (D+), those who earned CGPA between 8.5 and 8.9 shall be given Letter Grade (D++) and declared to have First Class with Distinction*.
c) Successful candidates passing the examinations and earning CGPA between 6.0 and 6.4 shall be given Letter Grade (A), those who earned CGPA between 6.5 and 6.9 shall be given Letter Grade (A+), those who earned CGPA between 7.0 and 7.4 shall be given Letter Grade (A++) and declared to have First Class.
d) Successful candidates passing the examinations and earning CGPA between 5.0 and 5.4 shall be given Letter Grade (B), those who earned CGPA between 5.5 and 5.9 shall be given Letter Grade (B+) and declared to have passed in Second Class.
i) Candidates those who earned CGPA between 0.0 and 4.9 shall be given Letter Grade (U) and declared to have Re-appear.
e) Absence from an examination shall not be taken as an attempt.

CUMULATIVE GRADE POINT AVERAGE (CGPA) = $\sum_n \sum_i C_{ni} G_{ni} / \sum_n \sum_i C_{ni}$

CGPA = Sum of the multiplication of Grade Points by the credits of the entire Programme Sum of the credits of the courses for the entire Programme

Where **‗Ci'** is the Credit earned for Course i in any semester; **‗Gi'** is the Grade Point obtained by the student for Course i and ‗n' refers to the semester in which such courses were credited.
CGPA (Cumulative Grade Point Average) = Average Grade Point of all the Courses passed starting from the first semester to the current semester.

Note: * The candidates who have passed in the first appearance and within the prescribed Semesters of the PG Programme are alone eligible for this classification.

Maximum duration of the completion of the programme
The maximum period for completion of **M.Voc** in Fashion Technology shall not exceed eight semesters continuing from the first semester.

Conferment of the Master's Degree
A candidate shall be eligible for the conferment of the Degree only after he/ she has earned the minimum required credits for the Programme prescribed therefor (i.e. 90 credits). Programme).

Village Extension Programme
The Sivaganga and Ramnad districts are very backward districts where a majority of people Lives in poverty. The rural mass is economically and educationally backward. Thus the aim of the introduction of this Village Extension Programme is to extend out to reach environmental awareness, social activities, hygiene, and health to the rural people of this region. The students in their third semester have to visit any one of the adopted villages within the jurisdiction of Alagappa University and can arrange various programs to educate the rural mass in the following areas for three day based on the theme.1. Environmental awareness 2. Hygiene and Health. A minimum of two faculty members can accompany the students and guide them.

Job and Career option for

- Research Assistant
- Research Associate
- Teaching Assistant
- Designer in buying
- office Industrial Engineer
- CAD Trainer

Employment Areas

- Industry
- Educational Institutions
- Research Centers
- Buying Office
- Fashion Forecasting Centers
- Cine Industry
- Boutiques

M.Voc., FASHION TECHNOLOGY
PROGRAMMESTRUCTURE

Degree	Sem	Subject code	Courses	Course Name	Credits Skill(S)/ General G)		Theory/ Practical	Hrs/Week	Marks		Total
					S	G			Int.	Ext.	
M.Voc. DegreeinFashionTechnology	I	2MF1C1	**Core–I**	Advanced Textile Science	5	-	T	5	25	75	100
		2MF1C2	**Core–II**	Apparel Production Planning and Control	4	-	T	4	25	75	100
		2MF1P1	**Core–III**	Advanced Pattern Making -Lab	5	-	P	5	25	75	100
		2MF1P2	**Core- IV**	Advanced Draping - Lab	4	-	P	4	25	75	100
		2MF1G1	**General**	Historic, World Costume andTextile	-	4	T	4	25	75	100
		2MF1G2	**General**	Eco Textiles and Sustainability	-	4	T	4	25	75	100
			DSE-I	**Elective–I**	-	4	T	4	25	75	100
			Sub-Total		**18**	**12**					
			Total for Semester-I		**30**			**30**	**-**	**-**	**700**
	II	2MF2C1	**Core–V**	Advanced Textile Design	4	-	T	4	25	75	100
		2MF2C2	**Core–VII**	Advanced Wet Processing	4	-	T	5	25	75	100
		2MF2C3	**Core –VI**	Nano Textiles	4	-	T	4	25	75	100
		2MF2MP	**Core–IX**	Mini-Project	3	-	P	-	25	75	100
		2MF2P1	**Core VII**	Advanced Wet Processing - Lab	3	-	P	4	25	75	100
			NME	**Non–major Elective Course- I**	-	2	T	3	25	75	100
			DSE-I	**Elective–II–Lab**	-	5	P	5	25	75	100
			DSE-III	**Elective–III@**	-	5	P	5	25	75	100
			SLC	**Self-Learning Course(MOOCs)–I%**	-	(E)	-	-	-	-	-
			Sub-Total		**18**	**12**					
			Total for Semester-II		**30**			**30**	**-**	**-**	**800**
M.Voc. DegreeinFashionTechnology	III	2MF3C1	**Core–X**	Technical Textiles	4	-	T	5	25	75	100
		2MF3C2	**Core–XI**	Textile Testing	4	-	T	4	25	75	100
		2MF3C3	**Core– XIV**	Finishing Skills in Fashion Technology#	2	-	P	-	100	-	100
		2MF3P1	**Core–XII**	Textile Testing - Lab	4	-	P	4	25	75	100
		2MF3P2	**Core–XIII**	CAD in Pattern Making - Lab	4	-	P	4	25	75	100
			NME	**Non–major Elective Course- II**	-	2	T	3	25	75	100
			DSE-IV	**Elective–IV**	-	5	T	5	25	75	100
			DSE-V	**Elective–V–Lab**	-	5	P	5	25	75	100
			SLC	**Self-Learning Course (MOOCs)–II%**	-	(E)	-	-	-	-	-
				Sub-Total	**18**	**12**					
				Total for Semester-III	**30**			**30**	**--**	**--**	**800**
	IV	2MF4G1	**General**	Portfolio Presentation and Design Collection–Lab	--	6	P	6	25	75	100
		2MF4G2	**General**	Fashion Styling and Photography	--	6	T	6	25	75	100
		2MF4MR	**Core– XV**	Industrial Internship withProject Work	18	--		18	150	50	200

			Total for Semester-IV	**18**	**12**		**30**	**-**	**--**	**400**
			Grand Total	**120**			**120**	**-**	**--**	**2700**

Fully-internal Course–Examination will be conducted internally
@ExternalExaminationwillbeconductedasViva-voceExamination
%Self-LearningCourse– MOOCs–ExtraCredits
(E)–ExtracreditsearnedthroughMOOCs

Elective –I

1.	Home Textiles	2MF1E1
2.	Knitting Clothing Technology	2MF1E2
3.	Clothing Appearance and Fit	2MF1E3

Elective – II–Lab

1.	Home Textiles-Lab	2MF2E1
2.	CAD in Fashion Designing-Lab	2MF2E2
3.	Advanced Fashion Illustration-Lab	2MF2E3

Elective–III

1.	Corporate Etiquette Skills	2MV2E4
2.	Competitive Examination Skills	2MV2E5
3.	Soft Skills and Entrepreneurial Skills	2MV2E6

Elective–IV

1.	Intimate Apparels	2MF3E1
2.	Lean Manufacture in Apparel Industry	2MF3E2
3.	Apparel Brand Management	2MF3E3

Elective –V –Lab

1.	Fashion Styling-Lab	2MF3E4
2.	Surface Ornamentation in Apparels and Textiles- Lab	2MF3E5
3.	Advanced Garment Construction- Lab	2MF3E6

Industrial Internship with Project Work

1.	Project Evaluation(Internal)	150 Marks
2.	Viva– voce (External)	50Marks

Non-Major Elective Courses(PG)

Sem.	Course Code	Non-major Elective Course Name	Credits	Hrs. /Week	Marks		Total
					Int.	Ext.	
II		**Non-major Elective– I** :Fashion Designing	2	3	25	75	100
III		**Non-major Elective– II**: Apparel Merchandising	2	3	25	75	100

♣♣♣♣♣♣♣♣♣♣

Mini-Project

The students will be assigned with a concerned faculty member as the Mini-project Guide. The student has to fix the project theme / title by submitting a proposal. The work flow of the chosen project and other related guidelines can be had from the Mini-project Guide. At the end of the semester, the student should prepare and submit a mini-project documentation report and present the mini-project progress in the form of presentation in front of the mini-project guide.

Finishing Skills in Fashion Technology

The students will refresh all the knowledge that they gained during the entire course. The objective type questions will be prepared and the performance of the students has been evaluated.

Industrial Internship with Project Work

The students will be assigned with a concerned faculty member as the Project Guide. At the end of the internship, the student should prepare a project documentation report. Student should also produce a certificate of internship from the organization. The internal guide will award for 100 marks based on the performance in two reviews and the quality of the project documentation report. The external guide (industry personnel) of the particular student will award for 50 marks. The cumulative of these two marks for 150 will be considered as internal mark. The final project viva-voce for 50 marks will be conducted bythe Department with two examiners and the cumulative 200 marks will be given by the Department.

I-Semester					
Core	**Course Code 2MF1C1**	**Advanced Textile Science**	**T**	**Credits:5**	**Hours:5**
Unit -I					
Objective1	**To study about the different types of technical fibres used in technical application.**				
Recent Fibres High performing fibers: glass fibers, carbon fibers, ceramic fibers, chitosan fibers, alginate fibers, kevlar fibers – properties & end uses. Brief study of elastomeric yarn - Uses of polyethylene, LDPE, HDPE, polypropylene, spandex, modacrylic - Brief study of bamboo, lyocell, soya bean, banana, pineapple - properties & uses.					
Outcome1	**Gain knowledge in emerging fibres used in technical textiles application**				**K1**
Unit - II					
Objective 2	**To categorize the different concepts involved in spinning and its methods**				
Modern Spinning: Definitions Outline the working of modern machines – blow room, carding, draw frame, fly frame and ring frame - Brief study of comber lap preparation methods - Doubling: definition, Outline of the working of two-for-one twister. Principle of yarn formation in compact spinning, rotor, friction, air vortex spinning machines - Properties and end uses of these yarns.					
Outcome 2	**Relate the sequential process involved in spinning and its methods**				**K2**
Unit - III					
Objective 3	**Demonstrate the conventional and modern weaving methods and its end uses.**				
Modern Weaving Shuttle less looms: definition, types - Working principle of air jet, water Jet loom - Briefstudy on multi-phase weaving machines – Working principle of projectile loom & weft laying stages in projectile loom – Working principle of rapier loom & rapier weft insertion systems.					
Outcome3	**Discover the modern weaving methods which supports production rate.**				**K3**
Unit IV					
Objective 4	**Describe the semi automated and automotive knitting machines**				
Modern Knitting Definition – Outline the modern knitting machine – Circular weft knitting: loop formation on single jersey, rib and interlock - Socks knitting technology - Warp knitting: knitting cycle of raschel & tricot machines – Automatic V bed flat knitting machine – Brief study on netting, lacing & crocheting. Recent developments in knitting.					
Outcome4	**The students able to paraphrase the types of knitting machines and critic thereason developments in knitting.**				**K2&K5**
Unit-V					
Objective5	**To educate the students about non woven fabrics and recent developments**				
Non-Woven Non woven: definition, classification of different types of non woven fabrics. Web formation: principles of dry laid, wet laid and random laid - Types of web bonding: mechanical bonding, chemical bonding, adhesive bonding and thermal bonding – Applications of non – woven fabrics. Latest development in non-woven industry. Brief study on braiding.					
Outcome5	**Categorize the non woven fabrication process and investigate the developmentsin the fields.**				**K4&K6**

Suggested Readings:

William Watson 2017. *Advanced Textile Design.* UK : Andesite Press

NAWAB Y 2017. *Structural Textile Design Interlacing And Interloping*.UK : Taylor and FrancisMichael Hann2020. *Textile DesignProducts and Processes.*Florida :CRC Press

Gandhi, K. L. 2012. *Woven Textiles – Principles, developments & applications.* Cambridge: Wood headPublishing.

Gohl, E.P.G. &Vilensky, L.D. 2009. *Textile Science*. New Delhi: CBS Publishers.

Klein, W.D. (2010). *Technology of Spinning.* Manchester: Textile Institute.

Online Resources

https://www.springer.com/series/13111

https://www.bcu.ac.uk/courses/textile-design-ba-hons-2024-25

K1- Remember	K2- Understand	K3- Apply	K4- Analyze	K5- Evaluate	K6- Create

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	L(1)
CO2	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	L(1)	M(2)	L(1)	M(2)
CO3	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	S(3)	M(2)	M(2)
CO4	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	L(1)	M(2)
CO5	M(2)	M(2)	S(3)	M(2)	S(3)	S(3)	S(3)	M(2)	S(3)	S(3)
W.AV	**2.2**	**2.2**	**2.6**	**2.4**	**2.4**	**2.4**	**2**	**2.4**	**1.8**	**2**

S–Strong (3), M-Medium (2), L-Low (1)

Mapping Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	M(2)	M(2)	M(2)	S(3)
CO2	M(2)	S(3)	S(3)	M(2)	M(2)
CO3	S(3)	M(2)	S(3)	M(2)	M(2)
CO4	M(2)	S(3)	M(2)	S(3)	M(2)
CO5	M(2)	M(2)	S(3)	M(2)	S(3)
W.AV	**2.4**	**2.4**	**2.6**	**2.2**	**2.4**

S–Strong (3), M-Medium (2), L-Low (1)

I-Semester					
Core	**Course Code 2MF1C2**	**Apparel Production Planning and Control**	**T**	**Credits:4**	**Hours:4**

Unit -I

Objective1	**To develop in-depth knowledge in terminology and process involved in productionplanning and control.**

Production Planning and Control: Definition, Terminology, Functions of production department, Duties and responsibilities of a production manager / supervisor - Pre planning activities: pre-production functions, Importance of preproduction function - Lead Time - product development steps from prototype to production sample - Product data management and understanding specification sheets.

Outcome1	**Memorize the key terminologies and concepts involved in apparel production.**	**K1**

Unit - II

Objective 2	**To inculcate knowledge about developing and designing plant layout.**

Plant Location and Layout: Plant site location - Plant Layout: definition and types of production layout, criteria for evaluation of a plant layout - Basic production line layout - Determining minimum space requirement, Government regulations for plant layouts.

Outcome2	**Execute and construct the production plant and layout by consideringgovernment policies.**	**K3&K6**

Unit - III

Objective 3	**To educate students about apparel manufacturing systems and its types.**

Apparel Manufacturing Systems

Production systems: whole garment production system, Progressive bundle system, unit production systemand modular manufacturing systems - Guide lines for choosing suitable production system.

Flow Process Grids and Charts: flow process grid construction - flow process grids for production control.

Cut Production Analysis: Cut order planning – types of spreads, spreading methods, marker utilization,economic cut quantities.

Outcome3	**Analyze an apparel manufacturing scenario and recommend the most suitableproduction.**	**K4**

Unit IV

Objective 4	**Discuss about material management & handling and its effectiveness.**

Material Management & Handling; Just in Time Production system (JIT), Optimized ProductionTechnology (OPT), Inventory Modelling – Economic order quantity (EOQ).

Control Forms: Functions of cutting order, cutting ticket, bundle control sheet.

Principles of Scheduling: Scheduling charts, GANTT chart, backlog graph, CPM and PERT analysis.Material Handling: conventional and automation methods.

Outcome4	**Evaluate the impact of material management strategies on the overallproductivity of the organization.**	**K5**

Unit-V

Objective5	**To acquaint students with plant loading and production planning.**

Plant Loading and Production Planning

Plant loading: Determination of machine requirements for a new factory - calculation of labour requirements. **Production planning:** line balancing, techniques and line balancing matrix, TAKT time analysis, allocation of man power, production set up planning for apparel manufacturing plant, conveyor system and control parameters.

Outcome5	**Narrate the importance of 5M in plant loading and design a production planningbased on end uses.**	**K2&K6**

Suggested Readings:

M. Mahajan2018*Production Planning And Control.*New Delhi, DhanpatRai& Co

Rob Thompson 2014. *Manufacturing Processes for Textile and Fashion Design Professionals.* London, Thames & Hudson

Cooklin, G., Hayes, S. & McLoughlin. (2006). Introduction to Clothing Manufacture. UK, Oxford: BlackwellPublishing.

David J. Tyler. (2008). Harold Carr & Barbara Latham's - The Technology of Clothing Manufacture.UKOxford: Blackwell Publishing

MartandTelsang, (2008). Industrial Engineering and Production Management. New Delhi: S. Chand &Company Limited.

Chuter, A.J. (2004). *Introduction to Clothing Production Management.* UK, Oxford: BlackwellScience.

Online Resources

https://www.onlineclothingstudy.com/2017/05/production-planning-control-in-apparel.html
https://www.amazon.in/Apparel-Manufacturing-Technology-T-Karthik-ebook/dp/B08NTT7ZG8 https://www.youtube.com/watch?v=BRk5WDWCyYM
https://www.onlineclothingstudy.com/2021/09/managing-apparel-production-using.html

K1- Remember	**K2- Understand**	**K3- Apply**	**K4- Analyze**	**K5- Evaluate**	**K6- Create**

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	L(1)
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)	S(3)	M(2)	M(2)
CO5	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	**2.4**	**2.6**	**2.4**	**2.2**	**2.2**	**2**	**2.2**	**2.2**	**2.4**	**2**

S–Strong (3), M-Medium (2), L-Low (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	S(3)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	M(2)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	S(3)	M(2)
CO5	M(2)	S(3)	M(2)	M(2)	S(3)
W.AV	**2.4**	**2.6**	**2.6**	**2.2**	**2.4**

S–Strong (3), M-Medium (2), L-Low (1)

I-Semester					
Core	**Course Code 2MF1P1**	**Advanced Pattern Making – Lab**	**P**	**Credits:5**	**Hours:5**
Unit -I					
Objective1	**To provide a foundation about advanced pattern making.**				
➢ Basic Body measurements, preparation of size chart. ➢ Drafting basic slopers, trueing darts for slopers, developing dartless slopers. ➢ Dart manipulation – single and double dart series. ➢ Fullness - gathers, pleats, tucks.					
Outcome1	**Recall and understand the construction procedure of basic slopers with darts &fullness.**				**K1& K2**
Unit - II					
Objective 2	**To teach students about drafting advanced bodice block using basic slopers.**				
➢ Princess line variation – blouson, fullness on the princess lines. Armhole princess line dress. ➢ Flanges and classic empire. ➢ Halters-V neck					
Outcome2	**Apply and develop a classy and stylish bodice block.**				**K3& K6**
Unit - III					
Objective 3	**To manipulate various patterns in the bodice block.**				
➢ Surplice waist- one shoulder décolletage draped surplice. ➢ Vests. ➢ Cowls- Back armhole and pleated.					
Outcome3	**Students able to choose and evaluate the various advanced techniques indrafting a creative bodice block.**				**K4&K5**
Unit IV					
Objective 4	**To demonstrate about the garment component parts and educate about drafting the patterns.**				
➢ Collars –Sailor, roll wide collar and stand. ➢ Sleeves – Kimono and raglan variations. ➢ Skirts –Pegged, tiered, pleated wraparound, skirts and uneven hemlines, peplum, flared skirt.					
Outcome4	**Analyze and construct creative garment components by using advanceddrafting technique.**				**K4&K6**
Unit-V					
Objective5	**To prepare patterns for pants, jackets and coats and to develop industrial patterns.**				
➢ Pants – length variations, bell bottom pants, body fitting pants and other types. ➢ Jackets and coats. ➢ Prepare industrial pattern for some design.					
Outcome5	**Assess and create designer wear apparels and pattern for industrial purpose.**				**K4&K6**
Online Resources https://www.amazon.in/Advanced-Pattern-Mastery-African-Woman-ebook/dp/B0B9MTQ35C https://www.scribd.com/book/262690529/Dress-Making-Drafting-and-Pattern-Making https://www.pattern-making.com/product/pattern-making-ebook-sales/					
K1- Remember	**K2- Understand**	**K3- Apply**	**K4- Analyze**	**K5- Evaluate**	**K6- Create**

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	S(3)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
CO3	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	S(3)
CO4	S(3)	M(2)	M(2)	M(2)	M(2)	M(2)	S(3)	M(2)	S(3)	S(3)
CO5	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	M(2)	S(3)	S(3)
W.AV	**2.6**	**2.4**	**2.6**	**2.6**	**2.2**	**2.2**	**2.6**	**2.2**	**2.6**	**2.8**

S–Strong (3), M-Medium (2), L-Low (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	M(2)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	M(2)	S(3)
CO3	S(3)	M(2)	S(3)	S(3)	M(2)
CO4	M(2)	M(2)	S(3)	M(2)	S(3)
CO5	M(2)	S(3)	M(2)	S(3)	S(3)
W.AV	**2.4**	**2.4**	**2.6**	**2.4**	**2.6**

S–Strong (3), M-Medium (2), L-Low (1)

I-Semester					
Core	**Course Code 2MF1P2**	**Advanced Draping – Lab**	**P**	**Credits:4**	**Hours:4**
Unit -I					
Objective1	**To educate students about preparing the dress form and steps involved in draping.**				
Preparation of fabric for Draping Draping the pattern on dress form, Converting or Trueing the Pattern, Pattern Development, Construction ofGarment and fitting of final garment on dress form.					
Outcome1	**Recognize and relate to the basic foundation process in draping.**				**K1 &K2**
Unit - II					
Objective 2	**To provide knowledge about draping a bodice block with variation.**				
➢ Halter ➢ Princess bodice and its variation					
Outcome2	**Apply the draping technique for creating a halter neckline & princess bodiceon a dress form.**				**K3**
Unit - III					
Objective 3	**To acquaint students with the knowledge about style lines.**				
➢ Cowls - wrapped neckline cowls ➢ Surplice bodice, Sheath, blouson					
Outcome3	**Decide and develop a new draping approach for various style lines.**				**K5&K6**
Unit IV					
Objective 4	**To introduce extensions of draping to create men's and women's garment.**				
➢ Draping and Garment constructions of women with design variations ➢ Draping and Garment constructions of men with design variations					
Outcome4	**Experiment and design haute couture apparels for men's and women's**				**K4&K6**
Unit-V					
Objective5	**To educate students about apparel components with design variation.**				
➢ Design Variations (Sleeve Collars, Cowls, Pleats, darts, Flounces, Ruffles).					
Outcome5	**Choose and prepare artistic apparel component parts.**				**K5&K6**
Online Resources https://www.amazon.in/Advanced-Creative-Draping-Karolyn-Kiisel-ebook/dp/B09HGJ47DN https://www.perlego.com/book/3202763/advanced-creative-draping-pdf https://fitnyc.libguides.com/c.php?g=66318&p=427909					
K1- Remember	**K2- Understand**	**K3- Apply**	**K4- Analyze**	**K5- Evaluate**	**K6- Create**

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	L(1)	M(2)
CO3	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	S(3)	S(3)
CO4	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	M(2)	S(3)	S(3)
CO5	M(2)	M(2)	M(2)	S(3)	S(3)	S(3)	M(2)	S(3)	S(3)	S(3)
W.AV	**2.4**	**2.4**	**2.4**	**2.6**	**2.4**	**2.4**	**2.2**	**2.4**	**2.5**	**2.6**

S–Strong (3), M-Medium (2), L-Low (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	M(2)	M(2)	S(3)
CO2	M(2)	M(2)	S(3)	S(3)	M(2)
CO3	M(2)	S(3)	M(2)	S(3)	S(3)
CO4	S(3)	S(3)	S(3)	M(2)	S(3)
CO5	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	**2.4**	**2.6**	**2.4**	**2.6**	**2.8**

S–Strong (3), M-Medium (2), L-Low (1)

I-Semester					
General	**Course Code 2MF1G1**	**Historic, World Costume and Textile**	**T**	**Credits:4**	**Hours:4**
Unit -I					
Objective 1	**To impart knowledge about the conversation of fibre to fashion.**				
Evolution of costumes: Body decoration, Body ornamentation, Dress for Protection, Invention of the needle, Development of sewing, spinning & weaving, Discovery of natural fibers and development of garment styles. Ancient civilizations- Mesopotamian, Assyrian, Babylonian-costumes					
Outcome1	**Identify and summarize the evolution of manufacturing and designing.**				**K1& K2**
Unit - II					
Objective 2	**To get insight knowledge about the growth and development of world costumes.**				
Costumes of ancient civilization: Egypt, Greece and Roman, French costume- French costume duringrenaissance 450 to 1500 AD and 1700 AD.					
Outcome2	**Students able to articulate the dynamic changes and development in ancientcivilization.**				**K3**
Unit - III					
Objective 3	**To familiarize the costumes used in various parts of European countries.**				
Costumes of European countries: Italy, France, Greece, Roman, Sweden & Germany					
Outcome3	**Use and develop the apparel and accessories used in European costumes.**				**K3&K6**
Unit IV					
Objective 4	**To develop in-depth knowledge about historical costumes used in Eastern Countries**				
Costumes of Far Eastern Countries: Japan, Korea, Srilanka, Pakistan, Malaysia, China, Burma, Thailand &Philippines.					
Outcome4	**Reframe and construct ancient costumes of Eastern Countries.**				**K5&K6**
Unit-V					
Objective 5	**To create interest among the students about American & African Costumes**				
American & African Costumes: Costumes of East, West and South - Middle East Countries - Costumes of Arab Peninsula. North and South America –Men & Women costumes of difference states of America.					
Outcome5	**The students are able to categorize the costumes and accessories in America &Africa**				**K4**

Suggested Readings:

Daniel Delis Hill. (2011). *History of World Costume and Fashion.*US: Pearson Prentice Hall

Das, S.N. (1969). *Bombay Costumes of Indian and Pakistan*. Mumbai: D B TaraporevaIa Sons & Co.Eoan, C. (1985). *Costumes throughout the Ages*. USA, Philly: J B Lippincott.

Harl Kohler, (1963). *A History of Costume - Dover Fashion and Costumes*. New York: DoverPublications.

James Laver, (1968*). Costume through the Ages. New York*: Simon and Schuster publications Phyllls G. Tortora., Sara B. Marcketti. (2015). *Survey of Historic costume Study Guide*. New York:
Fairchild publications.

Rachel H. Kemper. (1977). *The History of Costume*. New York: W.W Norton & Co Inc

Online Resources https://www.worldcat.org/title/868273280 https://www.kobo.com/ww/en/ebook/costume-and-fashion-a-concise-history-world-of-art https://study.com/academy/lesson/the-history-of-fashion-trends-design.html					
K1- Remember	**K2- Understand**	**K3- Apply**	**K4- Analyze**	**K5- Evaluate**	**K6- Create**

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	S (3)	S(3)	M(2)	M(2)	S(3)	M(2)	M(2)	M(2)
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)
CO3	M(2)	M(2)	S(3)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
CO4	M(2)	M(2)	M(2)	M(2)	M(2)	S(3)	M(2)	S(3)	S(3)	S(3)
CO5	M(2)	M(2)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	M(2)
W.AV	**2.2**	**2.2**	**2.6**	**2.2**	**2.4**	**2.6**	**2.4**	**2.2**	**2.4**	**2.4**

S–Strong (3), M-Medium (2), L-Low (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	M(2)	M(2)	M(2)
CO2	S(3)	M(2)	S(3)	M(2)	M(2)
CO3	S(3)	M(2)	S(3)	M(2)	S(3)
CO4	M(2)	S(3)	M(2)	S(3)	S(3)
CO5	M(2)	M(2)	S(3)	M(2)	M(2)
W.AV	**2.6**	**2.4**	**2.6**	**2.2**	**2.4**

S–Strong (3), M-Medium (2), L-Low (1)

I-Semester					
General	**Course Code 2MF1G2**	**Eco Textiles and Sustainability**	**T**	**Credits:4**	**Hours:4**
Unit -I					
Objective 1	**To develop in-depth knowledge about eco-textiles and its importance.**				
Eco-Textiles: Introduction & needs for eco-textiles & its importance - Ecology - Production ecology, Human ecology & Disposal ecology**.** Structure and stability of the ecosystem - European regulation on toxic dyes, chemicals and auxiliaries - Eco-Auditing and Eco-labelling, Eco mark on textiles. Role of Eco-standards and Environmental Regulations in Promoting Sustainability**.**					
Outcome1	**Students able to describe the terminologies and necessity of eco-textiles in thecontemporary world.**				**K1**
Unit - II					
Objective 2	**To create awareness about the natural fibres utilization.**				
Natural fibres: Importance of natural fibres in textiles - Major fibres used in textiles - cotton, Jute, linen and silk. Minor fibres used in textiles - sisal, pineapple, coir, nettle. Protein - soya, spider silk etc., Extraction or preparation methods of natural fibre-retting, & its methods, decortications by hand and machine. Recent findings of natural fibres in textile industry.					
Outcome2	**Paraphrase the list of current and emerging fibres in textiles and theirproduction methods.**				**K2**
Unit - III					
Objective 3	**To provide immense knowledge about natural dyes.**				
Natural Dyes: History and importance - Types of natural dyes- plant, animals and mineral -Madder, indigo, catechu, myrobalan, pomegranate, lac,- Extraction methods & application methods-pre, simultaneous and post mordanting, method of dyeing, Functional properties of Natural Dyes. Characterisation of Natural dyes - Commercially available natural dyes- colour fastness property.					
Outcome3	**Identify the importance and functions of natural dyes and able to formulatenatural dyes.**				**K4&K6**
Unit IV					
Objective 4	**To create awareness about the natural finishes & eco standards.**				
Natural Finishes, Eco - Textiles Testing, Standards: Need for natural finishes. Traditional plants & herbsused in natural finishing. Herbal Clothing –plants used for herbal textiles. **Processes adopted for eco-friendliness:** Enzyme technology, Foam technology, super critical carbon-di-oxidedyeing & Plasma technology- Glow-discharge method, Corona discharge method & Dielectric barrier discharge method. Social audit, ISO 14000, ISO 9000, SA 8000					
Outcome4	**Assess the natural finishes and eco standards formulated for eco-friendliness.**				**K4**
Unit-V					
Objective 5	**To educate students about sustainable fashion.**				
Sustainable fashion: Sustainable fashion – meaning and importance - Concepts of recycling and upcycling.Carbon footprint, water footprint. Consumer responsibility towards sustainable fashion. 3Rs – Reduce, Reuse and Recycle- Sustainable fashion brands.					
Outcome5	**Students able to evaluate the importance of sustainable fashion and its products.**				**K5**

Suggested Readings:-

Annie Gullingsrud, (2017). *Fashion Fibers.* New York: Fairchild Publishers.

DharaShukla, (2019). *New Trends in Natural Dyes for Textiles.* Cambridge: Woodhead Publ. Pvt. Ltd.Keith Slater, (2003). *Environmental Impact of Textiles.* Cambridge: Woodhead Publ. Pvt. Ltd.

Leslie Davis Burns, (2019). *Sustainability and Social Change in Fashion*. London: BloomsburyPublishing.

Maria Mackiewicz, (2019). *Handbook of Natural Fibres (Vol. 1, 2.).* Cambridge: Woodhead Publ. Pvt. LtdMiraftab, M. &Horrocks, A. R. (2007). *Eco Textile – The Way Forward for Sustainable Development*

in Textiles. Cambridge: Woodhead Publ. Pvt. Ltd.

Richard Blackburn. (2009). *Sustainable Textiles - Life Cycle and Environmental Impact.* Cambridge:Woodhead Publishing Pvt. Ltd.

Online Resources

https://link.springer.com/book/10.1007/978-981-10-2182-4

https://shop.elsevier.com/books/sustainable-textiles/blackburn/978-1-84569-453-1

https://www.kobo.com/us/en/ebook/ecotextiles

https://www.youtube.com/watch?v=jGhElKegLOE

K1- Remember	K2- Understand	K3- Apply	K4- Analyze	K5- Evaluate	K6- Create

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)
CO3	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	M(2)	S(3)	S(3)
CO4	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	M(2)	M(2)	L(1)
CO5	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)
W.AV	**2.4**	**2.6**	**2.6**	**2.4**	**2.2**	**2.2**	**2.4**	**2.2**	**2.2**	**2**

S–Strong (3), M-Medium (2), L-Low (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	M(2)	M(2)	M(2)	M(2)
CO2	M(2)	S(3)	M(2)	M(2)	M(2)
CO3	S(3)	M(2)	S(3)	M(2)	S(3)
CO4	S(3)	M(2)	S(3)	M(2)	M(2)
CO5	M(2)	M(2)	M(2)	S(3)	M(2)
W.AV	**2.4**	**2.2**	**2.4**	**2.2**	**2.2**

S–Strong (3), M-Medium (2), L-Low (1)

I-Semester					
DSE I	**Course Code 2MF1E1**	**Home Textiles**	**T**	**Credits:4**	**Hours:4**

Unit -I		
Objective1	**To educate students about home textiles and home furnishing materials.**	
Introduction **Home textile in India:** Introduction to home textile - Major production centres in India. **Home furnishing**: Definition, types of furnishing materials: woven and nonwoven - Factors affecting selection of home furnishing: fiber, yarn, fabric & finishes - Finishes for home furnishings: soil repellency, mosquito repellency, flame proofing, dust repellency, anti microbial finish.		
Outcome1	**Recall and identify various home furnishing styles, materials and finishes.**	**K1**

Unit - II		
Objective 2	**To provide knowledge about wall coverings and doors & windows furnishing.**	
Doors & Window and Wall Covering **Doors and Windows**: types - Window treatment – exterior, interior - hard and soft - Curtains and Draperies –types, parts, factors for selection and construction, accessories used. **Wall Coverings**: Requirements, benefits, types - carpet as wall covering - Materials and manufacturing of fabrics – Application, end use – colour concepts.		
Outcome2	**Select appropriate doors & windows, furnishing materials and differentiate between various wall coverings based on elements and principles.**	**K2&K3**

Unit - III		
Objective 3	**To describe various types of furnishing materials used in living and bedrooms.**	
Living and Bed Room Furnishing **Living room:** types - sofa, sofa covers, cushion / cushion covers, Bolster and bolster covers. **Bed linen:** types - Bed spread, bed sheets, mattress and mattress covers, pillow and pillow covers – processsequence for bed linen - use and care - Quilt: types - Hand quilting.		
Outcome3	**Critique the quality and durability of furnishing materials, considering thequality factors.**	**K5**

Unit IV		
Objective 4	**To teach about floor coverings and bath linens with its care and uses.**	
Floor Covering and Bath Linen **Floor covering**: definitions – fibre used – classification of floor covering - Types of carpets – Comparison ofcarpets - Carpet cushions – Manufacturing Process - Rugs – Types of rugs - uses and care of floor covering. **Bath Linen:** categories – bath robe – Sizes & design elements - Terry towels – Classification – Ranges – Fibre used – Standard sizes – Manufacturing flow chart – Construction of terry towels – Market share - Productioncenters. Care and maintenance of bath linen.		
Outcome4	**Analyze the impact and types of floor coverings and develop the collection ofbath linen.**	**K4&K6**

Unit-V		
Objective 5	**To enhance the extensive knowledge about table & kitchen linen and its manufacturing technique.**	
Table Linen & Kitchen Linen **Table Linens** - Place mats and table cloths - Definition – Placemats – Varieties of placemats – Making processflow – Instruction – tips & warnings – Reversible placemats – Stone placemats — table cloths – Types, material & manufacturing. **Kitchen Linens** - Introduction - Material used – Kitchen products – Oven mitten – Pot holder – Apron – Napkins – Doilies – Kitchen mats – Dining table cloth – tea cozy – kitchen curtain –Table runner – Kitchen rugs – Types of stitches and seams used.		
Outcome5	**Select linens based on the needs and able to analyze the functional property ofvarieties of linens.**	**K3&K4**

Suggested Readings:

Anita Tyagi, (2011). *Textiles for Apparel and Home Furnishing*. New Delhi: Sonali Publications.Karthik, T. (2016). *Home Textiles*. New Delhi: Astral International Pvt Ltd

Ghosh Dr. Ashis Kumar. (2011). Traditional Knowledge of Household. New Delhi: Daya PublishingHouse.

Subrata Das, 2018, *Performance of Home Textiles*, Woodhead Publishing Pvt. Ltd, Second EditionT Rowe, Interior textiles- Design and Developments, Woodhead Publishing Pvt. Ltd, 2009 Hamlym, (2001). Bed and Table Linen. New York: Octopus Publishing Group Ltd.

Cheryl Mendelson, (2005). Home Comforts the Arts and Science Keeping House. New York: ScroperPublisher.

David Holloway, (2000). The Essential Book of Home Improvement Techniques. London: MarshalsPublications.

James Merrell, (1995). Living with Decorative Textiles. London: Thames and Hudson Ltd.

Online Resources

https://www.perlego.com/book/1032467/performance-of-home-textiles-pdf
https://www.textileebook.com/2019/04/performance-of-home-textiles-subrata-das.html
https://www.ebooks.com/en-aw/209758328/home-furnishing/v-ramesh-babu-s-sundaresan/
https://www.youtube.com/watch?v=v0WeKH3winc

K1- Remember	K2- Understand	K3- Apply	K4- Analyze	K5- Evaluate	K6- Create

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	S(3)	S(3)	S(3)	M(2)	M(2)	L(1)	M(2)
CO3	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)
CO4	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	M(2)	S(3)	S(3)
CO5	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	L(1)
W.AV	**2.4**	**2.4**	**2.6**	**2.4**	**2.4**	**2.4**	**2.6**	**2.2**	**2**	**2**

S–Strong (3), M-Medium (2), L-Low (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	M(2)	M(2)	M(2)	M(2)
CO2	M(2)	S(3)	S(3)	M(2)	S(3)
CO3	M(2)	M(2)	M(2)	S(3)	M(2)
CO4	S(3)	M(2)	S(3)	M(2)	S(3)
CO5	M(2)	M(2)	S(3)	M(2)	M(2)
W.AV	**2.4**	**2.2**	**2.6**	**2.2**	**2.4**

S–Strong (3), M-Medium (2), L-Low (1)

I-Semester					
DSE I	**Course Code 2MF1E2**	**Knitting Clothing Technology**	**T**	**Credits:4**	**Hours:4**
Unit -I					
Objective1	**To give a brief note about knitted fabrics and knitting industry**				
Introduction to knitted fabrics – Difference between knits and woven's –Indian knitting industry: past, present and future.					
Outcome1	**Recognize different types of knitted fabrics.**				**K1**
Unit - II					
Objective 2	**To get insight knowledge about the knitting method and fabric manufacturing process.**				
Hand knitting, terms used in knitting, weft knitting & warp knitting –introduction and comparison. Parts andfunctions of weft knitting and warp knitting – calculations used in knitting.					
Outcome2	**Describe the distinctions between hand knitting and machine knitting andDemonstrate basic knitting techniques.**				**K2& K3**
Unit - III					
Objective 3	**To educate the students on the basics of knit structures and mechanisms available fordesign variation.**				
Wefts knit structures –single jersey or plain – rib – purl – interlock –Knit float- tuck and stitch structures –designing of weft structures. Warp Knit Fabrics –warp knit structures – under lap – over lap – closed lap and open lap stitches.					
Outcome3	**Analyze common mistakes in knitting and able to identify the source of it.**				**K4**
Unit IV					
Objective 4	**To educate the students about advancement in knitting machineries.**				
Latest Knitting machines, weft knitting machines: Flat bar, straight bar, Circular- warp knitting machines: Raschel, Tricot-Knitted fabric defects - Drop Stitches, Barriness, Streakiness, Imperfections, Contaminations, Surface hairiness & pilling, Dyeing patches, Stains, Colour fading, Shade variations, High shrinkage.					
Outcome4	**Evaluate the impact of advanced knitting machinery on textile productionefficiency.**				**K5**
Unit-V					
Objective 5	**To teach the students about the flow process involved in knitted apparel manufacturing**				
Knitted garment manufacture: marker planning, spreading, cutting, stitching, checking, quality control, pressing (or) ironing, packing, final inspection, shipping – knit wear garment designs and developments.					
Outcome5	**Examine the knitted apparel manufacturing process and Design an innovativeknitted apparel collection**				**K5&K6**

Suggested Readings:

David J. Spencer. (2014). *Knitting Technology*. London: Pergamon press.

K.F.Au, 2011, *Advances inKnitting Technology,* Cambridge, Woodhead Publishing Limited.

Sadhan Chandra Ray, 2011, *Fundamentals and Advances in Knitting Technology,* Cambridge, WoodheadPublishing Limited.

Anbumani N, 2007.*Knitting – Fundamentals, Machines, Structures and Developments*, New AgeInternational Publishers.

Jonh Arthur, (2009). *An Introduction to Weft Knitting*. UK, Watford: Merrow Publications. Henry Johnson, 2006. *Introduction to Knitting Technology*, Abhishek Publications, Chandigarh,Ajgaonkar, D B. (1998). *Knitting Technology*. Mumbai: Universal Publication Corp.

Samuel Raz, (1993). Flat Knitting Technology. Germany: Universal Maschinenfabrik.Terry Brackenbury, (2005). Knitted Clothing Technology. Oxford: Blackwell Science

Online Resources

https://www.sciencedirect.com/topics/engineering/knitting-technology

https://www.textileworld.com/textile-world/features/2021/02/knitting-technology-developments/

https://www.youtube.com/watch?v=U1bk4ZI0Qvc

https://www.knittingindustry.com/smart-textiles-that-sense-how-their-users-move/

K1- Remember	K2- Understand	K3- Apply	K4- Analyze	K5- Evaluate	K6- Create

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	S(3)	S(3)	S(3)	S(3)	M(2)	M(2)	S(3)
CO3	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	M(2)	M(2)
CO5	S(3)	S(3)	M(2)	S(3)	M(2)	M(2)	S(3)	S(3)	S(3)	S(3)
W.AV	**2.6**	**2.4**	**2.4**	**2.6**	**2.4**	**2.2**	**2.6**	**2.4**	**2.2**	**2.4**

S–Strong (3), M-Medium (2), L-Low (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	M(2)	M(2)	M(2)	M(2)
CO2	M(2)	S(3)	S(3)	S(3)	M(2)
CO3	M(2)	M(2)	S(3)	M(2)	S(3)
CO4	S(3)	M(2)	M(2)	S(3)	M(2)
CO5	M(2)	S(3)	M(2)	S(3)	S(3)
W.AV	**2.4**	**2.4**	**2.4**	**2.6**	**2.4**

S–Strong (3), M-Medium (2), L-Low (1)

I-Semester					
DSE I	**Course Code 2MF1E3**	**Clothing Appearance and Fit**	**T**	**Credits:4**	**Hours:4**
Unit -I					
Objective1	**To understand the perception of body appearance and it relation to clothing.**				
Perception of body appearance and its relation to clothing: Introduction – Beauty - Facial attractiveness, body physical attractiveness, body image, modification of body appearance by dressing, fabric properties related to clothing appearance & fit.					
Outcome1	**Explain the impact of body image perception on clothing choices.**				**K2**
Unit - II					
Objective 2	**To provide knowledge about assessment of clothing appearance**				
Assessment of Clothing Appearance: Introduction - Assessment of fabric surface smoothness, seam appearance, crease retention, appearance retention of finished garments and reliability of subjective assessment. Objective evaluation of fabric wrinkling, fabric pilling, seam pucker, overall garment appearance.					
Outcome2	**Apply garment evaluation criteria to assess clothing appearance.**				**K3**
Unit - III					
Objective 3	**To educate the students about the importance of Assessment of Clothing Fit**				
Assessment of Clothing Fit: Definition of fit - Influences on clothing fit, testing methods for dimensional fit, subject rating scales, subjective fitting guide, Objective evaluation of clothing fit - Moire_s optics, algebraic evaluation of clothing fit, clothing waveform, pressure valuation of clothing fit, 3D modelling of pressure fit. Pattern alteration for fit, prediction of garment patterns from body measurements.					
Outcome3	**Evaluate the fit of clothing samples against established industry standards.**				**K5**
Unit IV					
Objective 4	**To assist the students to study about the 3d body scanning technique and its benefits**				
3-D Body Scanning: Introduction - global development of body scanners, principles and operations of body scanning technologies and bench marking - Challenges of 3D body scanning - Latest national size survey using 3-D body scanner - Garment drape - measurement of fabric drape, empirical prediction of fabric drape, dynamic and seamed fabric drape, modelling fabric and garment drape, drape models in commercial CAD and internet systems.					
Outcome4	**Recall the basic principles and components of 3D body scanning and Evaluatethe benefits and limitations of 3D body scanning technology.**				**K1 &K5**
Unit-V					
Objective 5	**To study about the sizing system and importance of Human Anthropometrics.**				
Human Anthropometrics and Sizing Systems: Terms and definitions - Traditional anthropometry - Historicaldevelopment of sizing system, international sizing, principles of sizing systems - Tech packs preparation for men, women and children. Three-dimensional (3-D) apparel design systems for pattern generation and garment fit - virtual fitting on the internet.					
Outcome5	**Evaluate the effectiveness of a sizing system in a product line and Design a size-inclusive product line based on anthropometric data.**				**K5&K6**

Suggested Readings:

Sarah Veblen, (2012). The Complete Photo Guide to Perfect Fitting. Minneapolis MN: CreativePublishing International.

Vincent G. Duffy. (2016). Digital Human Modelling. Florida: CRC Press.

Deepti Gupta, &Norsaadah Zakaria. (2014). Anthropometry, Apparel Sizing and Design. Cambridge:Wood head Publ. Pvt. Ltd.

Fan W. Yu., Hunter, L. (2004). Clothing Appearance and Fit - Science and Technology. NetherlandElsevier.

Online Resources

https://www.sciencedirect.com/book/9781855737457/clothing-appearance-and-fit
http://182.160.97.198:8080/xmlui/handle/123456789/1397
https://www.abebooks.com/9780849325946/Clothing-appearance-fit-Science-technology-0849325943/plp https://www.stylecraze.com/articles/right-clothes-for-body-type/

K1- Remember	K2- Understand	K3- Apply	K4- Analyze	K5- Evaluate	K6- Create

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
CO3	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	S(3)	M(2)	M(2)
CO4	S(3)	S(3)	M(2)	M(2)	S(3)	M(2)	S(3)	L(1)	M(2)	M(2)
CO5	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	S(3)	S(3)
W.AV	**2.4**	**2.4**	**2.2**	**2.4**	**2.4**	**2.4**	**2.2**	**2**	**2.4**	**2.2**

S–Strong (3), M-Medium (2), L-Low (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	M(2)	S(3)	M(2)	M(2)	M(2)
CO2	S(3)	M(2)	S(3)	M(2)	M(2)
CO3	M(2)	M(2)	M(2)	S(3)	M(2)
CO4	S(3)	M(2)	M(2)	S(3)	M(2)
CO5	M(2)	S(3)	M(2)	S(3)	S(3)
W.AV	**2.4**	**2.4**	**2.2**	**2.6**	**2.2**

S–Strong (3), M-Medium (2), L-Low (1)

II-Semester					
Core	**Course Code 2MF2C1**	**Advanced Textile Design**	**T**	**Credits:4**	**Hours:4**
Unit -I					
Objective 1	**To study about the different weaving methods and its application.**				
Elementary Weaves Elements of woven design: design, draft, plan & repeat unit - Construction of elementary weaves: Plain weave and its derivatives: rib, mat, huck -a- back - Twill weave and its derivatives: ordinary twill, pointed, broken, herringbone, transposed, elongated and combined twill - Satin, Sateen and their derivatives					
Outcome1	**Gain knowledge in the basic weaving methods**				**K1**
Unit - II					
Objective 2	**Able to understand the importance of colour theory and its variation**				
Weaves and Colour Theory Crepe weave – honey comb: ordinary and brighten - mock leno - colour theory: light and pigment theory,modification of colour, application of colours, colour and weave effects.					
Outcome2	**Summarise the concepts of colours and able to select colour for selected pattern**				**K2**
Unit - III					
Objective 3	**To study about advanced weaving methods and develop patterns for woven designs**				
Bedford Cord &Double Cloth Bedford cords: plain and twill faced, wadded, welts and piques, wadded piques - Backed fabrics: warp and weft, reversible and non-reversible fabrics – Double cloth - Gauze and Leno					
Outcome3	**Identify the different weave pattern which helps to develop advanced design.**				**K3**
Unit IV					
Objective 4	**Classify the extra warp and wet designs with different colour combination**				
Pile Fabrics &Figuring Weave Warp pile fabrics: 3 pick, 5 pick and 6 pick pile structures, Warp designs - Weft pile fabrics: plain back and twill back velveteen, corduroy, weft plush - extra warp and extra weft figuring: single and double colour.					
Outcome4	**Analyse the weave pattern of different combination**				**K4**
Unit-V					
Objective 5	**Gain knowledge in knit structure and its technological advancements.**				
Knit Structures Classification of weft knit structures – Basic weft structures: plain, rib, interlock and purl - Comparison of knit, tuck, float Stitches. Designing of weft knit structures (ornamentation of knit structures)- Technologicaladvancement in weft knitting – Basic warp knitted structures – tricot and rachel.					
Outcome5	**Students able to create different woven patterns with the sound technical andtechnological knowledge**				**K6**

Suggested Readings:-

Ajgaonkar, B. (1998**).** *Knitting Technology***.** Mumbai: Universal Publishing Corp.

Cambridge: Woodhead Publishing Pvt. Ltd.

David J. Spencer. (2011).*Knitting Technology***.** New Delhi: Woodhead Publishing India Pvt Ltd.

Grosicki, Z.J. (2014).*Watson's Textile Design and Colour – Elementary Weaves and Figured Fabrics.cambridge*

Grosicki, Z.J. (2018).*Watson's Advanced Textile Design and Colour – Compound Woven Structures***.**

Hayavadana, (2014).*Woven Fabric Structure Design and Product Planning*. Netherland: Elsevierscience &

Technology.

Woodhead Publishing Pvt Ltd.

Online Resources

https://ia800909.us.archive.org/18/items/advancedtextiled00watsrich/advancedtextiled00watsrich.pdf
http://182.160.97.198:8080/xmlui/handle/123456789/1335
https://www.citytech.cuny.edu/business/docs/courses/BUF3246.pdf
https://www2.cs.arizona.edu/patterns/weaving/books/ww_tdc_1.pdf

K1- Remember	K2- Understand	K3- Apply	K4- Analyze	K5- Evaluate	K6- Create

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)
CO2	S(3)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	L(1)
CO3	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	L(1)	L(1)
CO4	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	M(2)
CO5	S(3)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	L(1)
W.AV	**2.6**	**2.6**	**2.4**	**2.4**	**2.2**	**2.2**	**2.2**	**2.0**	**1.8**	**1.4**

S–Strong (3), M-Medium (2), L-Low (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	M(2)	M(2)	M(2)	M(2)
CO2	M(2)	S(3)	M(2)	M(2)	M(2)
CO3	M(2)	M(2)	S(3)	M(2)	M(2)
CO4	M(2)	M(2)	M(2)	M(2)	S(3)
CO5	M(2)	M(2)	M(2)	M(2)	S(3)
W.AV	**2.2**	**2.2**	**2.2**	**2.0**	**2.4**

S–Strong (3), M-Medium (2), L-Low (1)

II-Semester					
Core	**Course Code 2MF2C2**	**Advanced Wet Processing**	**T**	**Credits:4**	**Hours:5**

Unit -I

Objective 1	**To learn about the basic concepts of textile wet processing methods.**

Pre-Treatment and Plasma for Surface Modification

Introduction - Fibre composition -Preparatory process sequence for woven and knitted cotton fabrics – Wet process sequence for polyester, Polyester / Cotton Blend. Plasma for Surface Modification: Types of Plasma - low pressure, atmospheric pressure and high pressure plasmas, Methods of plasma generation for treatment of
textiles, plasma modification of cellulosic, protein, and synthetic fibres.

Outcome1	**Recall the preparatory step process of grey fabric and blend fabric.**	**K1**

Unit – II

Objective 2	**Students able to classify advanced dyeing and printing machineries and its application.**

Advanced Dyeing& PrintingTechniques

Dyeing, Modified reactive dyes, HF dyes, Low & no salt reactive dyes, Multifunctional dyes, Neutral fixing& acid fixing reactive dyes and Natural dyes - Microwave, Electrochemical, Low liquor ratio dyeing techniques, Ultrasonic assisted dyeing, Dyeing using supercritical carbon dioxide, aerodynamic dyeing - Advanced
printing method: Digital printing, Xerographic printing, Developments in transfer printing. Brief study on garment dyeing and printing machines.

Outcome2	**Explain the technological innovations involved in dyeing and printing machineries and process.**	**K2**

Unit - III

Objective 3	**Develop an idea about different functional finish which involves for surface modification**

Functional Finishes and Coating

Functional finishing used in advanced bio-textiles – Brief study on anti-microbial, soil resistance, anti-static, UV repellent finish, cool finish, deodorizing finish. Advanced finishing techniques: microencapsulation, nano-finishes, self cleaning and phase changing materials– Advanced coating techniques: Film coating, spray
coating, powder coating, foam coating. Coating materials for functional finishes.

Outcome3	**Identify the basic and advanced finishing methods and its applications.**	**K3**

Unit IV

Objective 4	**Analyse the negative impact of chemical process on environment**

. **Functional Washes & Bio Processing**

Functional washes: stone wash, acid wash, enzyme wash, silicon wash, ozone and laser fading, pseudo denim, peach skin effect, golf ball wash, tie _n' wash, marble wash and vintage wash - Enzymes: sources, role of enzymes in textile processing - Mechanism of enzyme reactions – Bio-processing: bio-scouring, bio-bleaching
– peroxide killer - bio-polishing – Enzyme inactivation

Outcome4	**Students able to interpret the chemical and biological finishing process.**	**K4**

Unit-V		
Objective 5	**Explain the methods involved in colour fastness test and measures to be taken to reducepollution load.**	
Colour Fastness Test and Pollution Control Fastness tests: Determination of light, washing, rubbing, perspiration – Brief study on the concept of Computer Colour matching. Pollution and Effluent treatment: Pollution effluent- primary, secondary, tertiary and biological - importance and need of environment protection, types of pollution, causes and remedies for water, air and noise pollution - Detail study about effluent treatment in processing.		
Outcome5	**Justify the negative impact of textile waste in environment and select theappropriate methods to treat waste water.**	**K5**

Suggested Readings:-

Asim Kumar Roy Choudhury, (2006). *Textile Preparation and Dyeing*. USA, Enfield, NH: SciencePublishers.

Mohd Yusuf, (2018). *Handbook of Textile Effluent Remediation*. New York: Jenny Stanford Publishing.

Asim Kumar Roy Choudhury, (2017). *Principles of Textile Finishing*. Cambridge: Woodhead Publ.Pvt. Ltd.

Bhagwat, R.S. (2000). *Wet Processing Machineries*. Ahmedabad: Mahajan Publications. Manivasakam, N. (1995). *Treatment of Textile Processing Effluents*. Coimbatore: Sakthi Publication.NCUTE

IIT, (2003). Garment Finishing. New Delhi.

Prayag, R S. (1994). *Textile Finishing*. Karnataka: L.R. Prayag publications.

Rao, JV. (2006). Denim Washing. Ghaziabad: NITRA

Trotman, E.R. (1984).*Dyeing and Chemical Technology of Textile Fibres***.** London: Charles Griffin &Co., Ltd.

Online Resources

https://assignmentpoint.com/advance-wet-processing-technology/
https://www.fibre2fashion.com/industry-article/2/indian-textile-wet-processing-a-perspective
https://indiantextilejournal.com/recent-developments-in-textile-wet-processing/
https://www.slideshare.net/Rifadhossain1/technological-development-in-wet-processing-technology

K1- Remember	K2- Understand	K3- Apply	K4- Analyze	K5- Evaluate	K6- Create

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
CO2	S(3)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	L(1)
CO3	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	L(1)	L(1)
CO4	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	M(2)
CO5	S(3)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)
W.AV	**2.6**	**2.6**	**2.4**	**2.4**	**2.2**	**2.2**	**2.2**	**2.0**	**2.0**	**1.8**

S–Strong (3), M-Medium (2), L-Low (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	M(2)	M(2)	M(2)	M(2)
CO2	M(2)	S(3)	M(2)	M(2)	M(2)
CO3	M(2)	M(2)	S(3)	M(2)	M(2)
CO4	M(2)	M(2)	M(2)	M(2)	S(3)
CO5	M(2)	M(2)	M(2)	M(2)	S(3)
W.AV	**2.2**	**2.2**	**2.2**	**2.0**	**2.4**

S–Strong (3), M-Medium (2), L-Low (1)

II-Semester					
Core	**Course Code 2MF2C3**	**Nano-Textiles**	**T**	**Credits:4**	**Hours:4**

Unit -I

Objective 1	➢ **To enable the students understand the concepts of Nano Technology.**

. Introduction to Nano Technology

Nano Technology: definition, historical background of nanotechnology, fundamental concepts of nanotechnology, particle size, nano particles - Different types of process: bottom-up approaches, top down approaches - Scope of nano technology in textile and apparel manufacturing - Synthesis of nano materials used in textiles.

Outcome1	**Acquire knowledge about the basic concepts of nanotechnology.**	**K1**

Unit - II

Objective 2	**To understand preparation and characterization of various particles on textile substrates.**

. Nano Fibres

Electro spinning of nanofibres - Continuous yarns from electro spun nano fibres - Principles of electrostatic atomization - Electrospraying and electrospinning by the capillary, charge injection method - Controlling fiber orientation - Applications of nano fibres viz, tissue engineering, filter media. Ecological considerations of nanoparticles and nanofibres.

Outcome2	**Able to explain preparation and characterization of various particles ontextile substrates.**	**K2**

Unit - III

Objective 3	➢ **To classify the methods of making the nano tube and nanoparticles.**

Nano Tubes, Nano Composites and Nano Particles

Synthesis, characterization and application of carbon nanotubes – Nano fibres reinforced polymer fibres – Production of carbon nano tubes- polymer fibres using melt spinning – Multifunctional polymer nano composites for industrial applications – Nano filled polypropylene fibres – Preparation and application of silver, iron, ZnO, TiO_2, MgO, SiO_2 & Al_2O_3, Indium-tin oxide on textile substrates – Brief study on cellulose Nano-whiskers, CNT

Outcome3	**The students identify the basic principles and methods nanotubes and nanoparticles.**	**K3**

Unit IV

Objective 4	**Discover the suitable method to characterize the nano particles.**

Characterization of Nano Particles

X-Ray Diffraction, Transmission Electron Microscopy and Spectroscopy; Scanning electron microscopy (SEM); Transmission electron microscopy (TEM); Energy-dispersive x-ray spectroscopy (EDS), Small-Angle X-Ray Scattering (SAXS), The Cone Calorimeter (CC), The Mass Loss Calorimeter (MLC), Particle analyzer,
FTIR,AFM.

Outcome4	**Choose the suitable methods for characterization of nanoparticles.**	**K5**

Unit-V		
Objective 5	**Determine the nano finishing method for high end application.**	
. Polymer , Nano Coating and Nano Textiles & Apparels Nano structuring polymers with cyclodextrins - Development of dyeable polypropylene - Nano technologies for coating and structuring of textiles - Development of nano textiles and apparel using: Nano-Tex, Nano- Care, Nano-Dry, NanoTouch, for home furnishing, technical textiles, smart and medical apparels.		
Outcome5	**Formulate the suitable methods for nano finishing.**	**K6**

Suggested Readings:-

Mangala Joshi. 2020. *Advances and Developments in Polymer Nanocomposites*. New York. Jenny Stanford Publishing.

Brown P J and Stevens K, 2007. *Nanofibres and Nanotechnology in Textiles*,Cambridge, WoodheadPub.Ltd.YuryGogotsi, 2006. *Nanotubes and Nanofibres* , Boca Raton, CRC Taylor & Francis.

Guazhong Cao, 2006. *Nanostructure and Nanomaterials*, USA, Imperial College Press.

Mick Wilson, KamaliKannangara, Geoff Smith, Michelle Simons and BurkhardRaguse, 2005. *Nanotechnology- Basic Science and Emerging Technologies*, New Delhi, Overseas Press.

Ashutosh Sharma, JayeshBellare and Archana Sharma, 2004.*Advances in Nanosciences and Nanotechnology*
NISCAIR, First Edition.

Bhushan Bharat, 2007.*Springer Handbook of Nanotechnology*, Springer.

Online Resources

https://sustainable-nano.com/2018/11/28/nano-textiles/
https://www.nanowerk.com/spotlight/spotid=19451.php
https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9249839/
https://onlinelibrary.wiley.com/doi/abs/10.1002/9781119654872.ch1

K1- Remember	K2- Understand	K3- Apply	K4- Analyze	K5- Evaluate	K6- Create

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	L(1)	L(1)
CO2	S(3)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	L(1)
CO3	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	L(1)	L(1)
CO4	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	L(1)	S(3)	L(1)	L(1)
CO5	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	**2.4**	**2.4**	**2.2**	**2.2**	**2.2**	**2.2**	**1.8**	**2.2**	**1.4**	**1.4**

S–Strong (3), M-Medium (2), L-Low (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	M(2)	M(2)	L(1)	L(1)
CO2	M(2)	S(3)	M(2)	M(2)	L(1)
CO3	M(2)	M(2)	S(3)	L(1)	M(2)
CO4	M(2)	M(2)	M(2)	M(2)	S(3)
CO5	M(2)	M(2)	L(1)	M(2)	S(3)
W.AV	**2.2**	**2.2**	**2.0**	**1.6**	**2.0**

S–Strong (3), M-Medium (2), L-Low (1)

II-Semester				
Core	**Course Code 2MF2MP**	**Mini-Project**	**Credits:3**	**Hours: -**

Objective

The Head of the Department / Director will assign a faculty member as the Mini-project Guide to a particular student concerned in the beginning of the second semester. The student has to fix the project theme / title by submitting a proposal. The work flow of the chosen project and other related guidelines can be had from the Mini-project Guide. During this second semester, there will be two ‗Reviews' conducted by the Department and the students must present themselves in person and present the mini-project progress in the form of presentation in front of the mini-project guide. At the end of the semester, the student should prepare and submit a mini-project documentation report (not less than 30 pages, A4 size). The guide will award for 75 marks based on the performance in two reviews and the quality of the mini-project documentation report. The final mini-project viva-voce for 25 marks will be conducted by the Department with two examiners (one mini- project guide and another one designated by the COE) and the cumulative marks for 100 will be given by the Department to the COE.

- Preparation of theme, story, inspiration, mood board and colour board.
- Illustration of flat sketch and preparation of flat sketch board.
- Preparation of illustration board.
- Preparation of swatch, trim and accessory board.
- Preparation of costing sheet for garment.
- Preparation of customer profile.
- Preparation of garment as per the design style.

Outcome 1	**Define the problems of the particular environment and situation**	**K1**
Outcome 2	**Understand the problems with the consideration of the environment**	**K2**
Outcome 3	**Take-up their own project in garment production and other fashion area.**	**K3**
Outcome 4	**Experimenting their own innovative ideas.**	**K4**
Outcome 5	**By considering various areas apply creative knowledge to invent innovative products.**	**K6**

K1- Remember	**K2- Understand**	**K3- Apply**	**K4- Analyze**	**K5- Evaluate**	**K6- Create**

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	L(1)	L(1)
CO2	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	L(1)
CO3	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	S(3)	L(1)	L(1)	L(1)
CO4	M(2)	M(2)	M(2)	M(2)	M(2)	L(1)	S(3)	M(2)	M(2)	L(1)
CO5	M(2)	M(2)	L(1)	L(1)	M(2)	M(2)	M(2)	L(1)	S(3)	S(3)
W.AV	**2.2**	**2.2**	**2.0**	**2.0**	**2.2**	**2.0**	**2.4**	**1.6**	**1.6**	**1.4**

S–Strong (3), M-Medium (2), L-Low (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	L(1)	M(2)	M(2)	M(2)
CO2	M(2)	S(3)	M(2)	M(2)	L(1)
CO3	M(2)	M(2)	S(3)	M(2)	M(2)
CO4	M(2)	M(2)	M(2)	L(1)	S(3)
CO5	L(1)	M(2)	M(2)	M(2)	S(3)
W.AV	**2.0**	**2.0**	**2.2**	**2.0**	**2.2**

S–Strong (3), M-Medium (2), L-Low (1)

II-Semester					
Core	**Course Code 2MF2P1**	**Advanced Wet Processing -Lab**	**P**	**Credits:3**	**Hours:4**

Unit -I

Objective1	**To get basic knowledge about the textile wet processing and dyeing method of textilematerials.**

- Dyeing of cotton fabric with cold / hot brand reactive dye.
- Dyeing of cotton fabric with HF reactive dye.
- Dyeing of cotton fabric with low and no salt reactive dye.

.

Outcome1	**Able to recall the different preparatory process of textile materials.**	**K1**

Unit - II

Objective2	**To understand the natural dyeing methods and technology which create zero pollution inenvironment.**

- Extraction and application of natural dyes on cotton with different sources.
- Extraction and application of natural dyes on silk with different sources.

Outcome2	**Interpret the natural dyeing method and its impact in environment sustainability**.	**K3**

Unit - III

Objective3	**Develop different combination in printing technology and printing paste preparation.**

- Printing of fabric using pigment colours by screen printing method.
- Prepare sample for the batik prints.
- Finishing of fabric by using any one of enzyme.

.

Outcome3	**Implement the developed technological innovation of printing in practice.**	**K2**

Unit IV

Objective4	**Generate the testing procedure to evaluate the colourfastness of the dyes textiles.**

- Determination of colour fastness to washing of the given fabric.
- Determination of colour fastness to crocking of the given fabric.
- Determination of colour fastness to perspiration of the given fabric.

Outcome4	**Examine the testing procedure of the dyed fabric.**	**K4**

Unit - V

Objective5	**Analyse the colour strength of the dyed fabric by standard measurement.**

- Determination of dimensional stability of the garment.
- Color measurement of fabrics with computerized colour matching

Outcome5	**Compare the dyed fabric colour strength with different dye combination.**	**K4**

Online Resources

https://cac.annauniv.edu/aidetails/afpg_2021_fu/Tech/Tentative/04%20M.Tech.%20TT%20(Textile%20Chemistry.pdf

https://textilestudycenter.com/library/

https://www.sciencedirect.com/science/article/abs/pii/S0959652621039020

https://www.youtube.com/watch?v=O7Mtv869vJs

K1- Remember	**K2- Understand**	**K3- Apply**	**K4- Analyze**	**K5- Evaluate**	**K6- Create**

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	L(1)	M(2)	M(2)
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)
CO3	M(2)	M(2)	S(3)	S(3)	L(1)	L(1)	M(2)	M(2)	L(1)	L(1)
CO4	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	L(1)	L(1)
CO5	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	L(1)	L(1)	M(2)	M(2)
W.AV	**2.2**	**2.2**	**2.2**	**2.2**	**2.2**	**2.4**	**1.8**	**2.0**	**1.6**	**1.6**

S–Strong (3), M-Medium (2), L-Low (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	L(1)	M(2)	M(2)	M(2)
CO2	M(2)	L(1)	S(3)	M(2)	M(2)
CO3	M(2)	S(3)	L(1)	M(2)	M(2)
CO4	M(2)	M(2)	M(2)	L(1)	S(3)
CO5	L(1)	M(2)	M(2)	M(2)	S(3)
W.AV	**2.0**	**1.8**	**2.0**	**1.8**	**2.4**

S–Strong (3), M-Medium (2), L-Low (1)

II - Semester					
DSE II	**Course Code 2MF2E1**	**Home Textiles– Lab**	**P**	**Credits:5**	**Hours:5**
Unit -I					
Objective1	**To learn about the pattern making procedure of household textile products.**				
➢ Home textiles - Fibers fabric used in home textile products. ➢ Design, draft and stitch kitchen linen samples – apron, gloves.					
Outcome1	**Gain knowledge on pattern making of various home furnishing materials.**				**K1**
Unit - II					
Objective2	**To understand the production techniques, various selection criterion such as rawmaterials, design and fabric type**				
➢ Design, draft and stitch the living room samples – cushion and cushion cover (smocking) ➢ Design, draft and stitch the living room sample – curtains (any two type)					
Outcome2	**Get experience in selecting the fabric which is suitable for making home textileproduct**				**K2**
Unit - III					
Objective3	**Identify the suitable materials for making the household textile products.**				
➢ Design, draft and stitch the living room sample – draperies (any one type) ➢ Design, draft and stitch living room linen sample – diwan set					
Outcome3	**Construct the home furnishing items such as curtains, cushion, draperies andwall hangers.**				**K3**
Unit IV					
Objective4	**Categorize the suitable design, material for making wall hangers and bed spreads.**				
➢ Design, draft and stitch living room sample - wall hanging ➢ Design, draft and stitch bed linen samples – bed spread, mattress cover					
Outcome4	**Determine the cost of the product by calculating its fabric and accessories cost.**				**K5**
Unit-V					
Objective5	**To develop the theme based design house textile products.**				
➢ Design, draft and stitch bed linen sample – baby blanket (quilting) ➢ Design and stitch bath linen sample – shower cap					
Outcome5	**Develop the custom based designs of home furnishing items.**				**K6**
Online Resources https://www.linkedin.com/pulse/textile-ebooks-free-download-mashhur-rihan https://www.taylorfrancis.com/books/edit/10.4324/9781315155623/advanced-textile-testing-techniques-sheraz-ahmad-abher-rasheed-ali-afzal-faheem-ahmad https://kmqmv.kennerwellservice.com/textile-testing-book-pdf-free-download/13036696					
K1- Remember	**K2- Understand**	**K3- Apply**	**K4- Analyze**	**K5- Evaluate**	**K6- Create**

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	M(2)	L(1)
CO2	M(2)	M(2)	S(3)	S(3)	L(1)	L(1)	L(1)	M(2)	M(2)	M(2)
CO3	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	L(1)
CO4	M(2)	M(2)	M(2)	M(2)	M(2)	L(1)	S(3)	S(3)	L(1)	L(1)
CO5	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	L(1)	L(1)	S(3)	S(3)
W.AV	**2.2.**	**2.2**	**2.4**	**2.4**	**2.0**	**1.8**	**1.8**	**2.0**	**2.0**	**1.6**

S–Strong (3), M-Medium (2), L-Low (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	M(2)	M(2)	L(1)	L(1)
CO2	M(2)	S(3)	M(2)	M(2)	M(2)
CO3	M(2)	M(2)	S(3)	M(2)	L(1)
CO4	M(2)	M(2)	L(1)	S(3)	L(1)
CO5	M(2)	L(1)	M(2)	M(2)	S(3)
W.AV	**2.2**	**2.0**	**2.0**	**2.0**	**1.6**

S–Strong (3), M-Medium (2), L-Low (1)

II - Semester					
DSE II	**Course Code 2MF2E2**	**CAD in Fashion Designing - Lab**	**P**	**Credits:5**	**Hours:5**
Unit -I					
Objective1	**To learn about different types of tools used in CAD designing software.**				
➢ Design different types of border patterns.					
Outcome1	**Recall the tools and its application of developing border patterns.**				**K1**
Unit - II					
Objective2	**To understand the concepts of developing pattern digitally.**				
➢ Design and illustrate the children‘s wear – party wear (boy and girl)					
Outcome2	**Explain the patterns and technological advancement in developing kids weardesign.**				**K2**
Unit - III					
Objective3	**Identify the types of design and fabric suitable for women’s wear.**				
➢ Design and illustrate the Women‘s wear - casual and party wear.					
Outcome3	**Gain Practical experience on design and illustrate the women’s wear**				**K1**
Unit IV					
Objective4	**Develop the design and patterns suitable for men’s wear.**				
➢ Design and illustrate the Men‘s wear - executive and formal wear.					
Outcome4	**Able to choose the suitable pattern for women’s wear.**				**K3**
Unit V					
Objective5	**Create the portfolio of the selected theme and develop portfolio.**				
➢ Select theme and design the garments – develop portfolio. ➢ Create weave designs.					
Outcome5	**Develop portfolio for theme based design.**				**K6**
Online Resources **https://eopcw.com/find/Download/868/course** **https://www.scribd.com/document/434378714/CAD-Fashion-Designing** **https://www.kobo.com/ww/en/ebook/computer-aided-design-and-drafting-laboratory** **https://www.youtube.com/watch?v=xhYl9ZuVuLE**					
K1- Remember	**K2- Understand**	**K3- Apply**	**K4- Analyze**	**K5- Evaluate**	**K6- Create**

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	L(1)
CO2	M(2)	M(2)	S(3)	S(3)	L(1)	L(1)	M(2)	M(2)	M(2)	M(2)
CO3	M(2)	M(2)	L(1)	M(2)	S(3)	S(3)	L(1)	L(1)	M(2)	M(2)
CO4	M(2)	M(2)	L(1)	L(1)	S(3)	S(3)	S(3)	S(3)	M(2)	M(2)
CO5	S(3)	S(3)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)
W.AV	**2.4**	**2.2**	**2.0**	**2.2**	**2.2**	**2.2**	**2.2**	**2.2**	**2.0**	**1.8**

S–Strong (3), M-Medium (2), L-Low (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	M(2)	M(2)	M(2)	M(2)
CO2	M(2)	S(3)	M(2)	M(2)	L(1)
CO3	S(3)	M(2)	M(2)	M(2)	M(2)
CO4	M(2)	M(2)	M(2)	M(2)	S(3)
CO5	M(2)	M(2)	L(1)	M(2)	S(3)
W.AV	**2.4**	**2.2**	**1.8**	**2.0**	**2.2**

S–Strong (3), M-Medium (2), L-Low (1)

II - Semester					
DSE II	**Course Code 2MF2E3**	**Advanced Fashion Illustration – Lab**	**P**	**Credits:5**	**Hours:5**

Unit -I

Objective1	**To learn the basic principle and techniques used in drawing.**	

- Basic colour, theories of colour, colour scheme, colour application.
- Still Drawing by different shading techniques.
- Developing flesh figure from stick figuring with different poses.

Outcome1	**Acquire knowledge about the colour, theories of colour, colour scheme andcolour application.**	**K1**

Unit - II

Objective2	**To understand the colour combination and apply on garment designing.**	

- Model drawing with different poses.
- Garment Sketching - Men, Women & Kid.

Outcome2	**Familiarize students with different garment sketching, body figures, movementsof figures and various fashion techniques.**	**K2**

Unit - III

Objective3	**To identify their knowledge and skill to their creative design process.**	

- Creating Checked effects in a garment - one colour and multiple colour.
- Creating Printed effects in a garment - one colour and multiple colour.

Outcome3	**Develop a professional approach to Fashion illustration.**	**-K3**

Unit IV

Objective4	**To execute their designs from the stage of ideation to conceptualization and presentation.**	

- Fabric rendering on Croquis (Printed cotton, silk chiffon, velvet, denim, wool and knit).
- Introduction to children‘s Croquis – Different postures, stylization, developing theme based designillustration for kid‘s collection.

Outcome4	**Develop and execute illustration techniques and processes to communicate ideasprofessionally.**	**K3&K4**

Unit V

Objective5	**To create the intricacies of fashion illustration.**	

- Drawing from Photographs - any 2 garment designs.
- Stylized illustration - Collage work, Cutwork illustration, 3D illustrations.

Outcome5	**Create different types of media which applied in fashion drawing.**	**K5**

Online Resources

https://www.scribd.com/book/271499665/20th-Century-Fashion-Illustration-The-Feminine-Ideal
https://tafensw.libguides.com/fashion/drawing
https://libguides.academyart.edu/fashion-design/books-ebooks
https://www.youtube.com/watch?v=jB3g4OdtOAs

K1- Remember	**K2- Understand**	**K3- Apply**	**K4- Analyze**	**K5- Evaluate**	**K6- Create**

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	S(3)	S(3)	L(1)	L(1)	M(2)	M(2)	M(2)	S(3)
CO2	S(3)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	M(2)	S(3)
CO3	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	S(3)	S(3)	L(1)	M(2)
CO4	S(3)	M(2)	M(2)	M(2)	S(3)	S(3)	L(1)	S(3)	S(3)	M(2)
CO5	M(2)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	S(3)	S(3)	S(3)
W.AV	**2.6**	**2.4**	**2.4**	**2.4**	**2.4**	**2.2**	**2.0**	**2.6**	**2.2**	**2.6**

S–Strong (3), M-Medium (2), L-Low (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	M(2)	M(2)	M(2)	M(2)
CO2	M(2)	S(3)	M(2)	M(2)	S(3)
CO3	M(2)	M(2)	S(3)	S(3)	M(2)
CO4	M(2)	S(3)	S(3)	S(3)	M(2)
CO5	S(3)	M(2)	S(3)	S(3)	M(2)
W.AV	**2.4**	**2.4**	**2.6**	**2.6**	**2.2**

S–Strong (3), M-Medium (2), L-Low (1)

II - Semester					
DSE III	**Course Code 2MV2E4**	**Corporate Etiquette Skills**	**P**	**Credits:5**	**Hours:5**

Unit -I		
Objective 1	**Understand appropriate biz etiquette and biz communication**	
Professionalism: Professional approach &behaviour – rational vs. emotional decisions – analysis ofself- competence and self confidence – qualities of an effective executive		
Outcome1	**Students understand the Professionalism and Various approaches in it.**	**K2**
Unit - II		
Objective 2	**Dress appropriate for different biz occasions**	
Corporate Etiquette: Dressing occasions – formal – semi formal and informal – Eating - habits– Table manners – Body language: Kinesics		
Outcome2	**Learners interpret the different styles of Dressing and eating habits.**	**K4**
Unit - III		
Objective 3	**Feel comfortable when diving in biz and formal situations**	
House Keeping Skills: Cleanliness at work place – Organizing the Work Table and Shelves – Spatial Utility and Energy Saving habits – Office Files and Personal Computer / Laptop management		
Outcome3	**Students Generate new ideas on how to Organize the Work Table and ShelvesAnd Cleanliness at work place**	**K4**
Unit IV		
Objective 4	**Preparation to attend office meetings**	
Front Office Skills: Reception and Greeting – Telephone manners – effective visitor appointments management – Preparation to attend office meetings – preparation to hold office meetings		
Outcome4	**Learners Examine the ways to hold meetings and express the Processof telephone conversation and could be able to conduct office meeting skills.**	**K2**
Unit-V		
Objective 5	**Report writing, writing minutes**	
Documentation: Objectives, Report writing, writing minutes, Preparation methods, and Report formedia		
Outcome5	**Students could be able to Evaluate the report writing methods and to interact tomedia.**	**K5**

Suggested Readings:-

BarunMithra,(2016).PersonalityDevelopmentandSoftSkills.NewDelhi:OxfordUniversityPressIndia.Le

sikar&Flatley.(2005).BasicBusi ness Communication.NewDelhi:TataMcGrawHill.

Naveen Kumar, & Sudan, A.S. (2004). Managerial Skill Development. New Delhi: Anmol Publications.SarveshGulati, (2012). Corporate Grooming and Etiquette. Kolkatta: Rupa Publications. Fred Luthans, OrganisationalBehavior,McGrawHill,12 th Edition,2005.

Online Resources

www.executiveworld.com.
www.selfconfidence.co.uk.
www.senselang.com.

K1- Remember	K2- Understand	K3- Apply	K4- Analyze	K5- Evaluate	K6- Create

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S (3)	L(1)	M (2)	L (1)	S (3)	L (1)	M (2)	L (1)	L (1)
CO2	L (1)	L (1)	M (2)	L (1)	L (1)	S (3)	L (1)	M (2)	L (1)	L (1)
CO3	M (2)	M (2)	(1)	L (1)	M (2)	S (3)	M (2)	M (2)	M (2)	L (1)
CO4	M (2)	M (2)	M (2)	L (1)	M (2)	S (3)	M (2)	M (2)	M (2)	L (1)
CO5	L (1)	L (1)	-	M (1)	M (2)	S (3)	M (2)	M (2)	M(2)	L (1)
W.AV	**1.8**	**1.6**	**1.2**	**1.2**	**1.6**	**3**	**1.6**	**2**	**1.6**	**1**

S–Strong (3), M-Medium (2), L-Low (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	M(2)	L (1)	L (1)
CO2	M(2)	M(2)	M(2)	M(2)	M(2)
CO3	M(2)	M(2)	M(2)	L (1)	M(2)
CO4	M(2)	L (1)	M(2)	S(3)	M(2)
CO5	M(2)	L (1)	M(2)	S(3)	M(2)
W.AV	**2**	**1.8**	**2**	**2**	**1.8**

S–Strong (3), M-Medium (2), L-Low (1)

II - Semester					
DSE III	**Course Code 2MV2E5**	**Competitive Examination Skills**	**P**	**Credits:5**	**Hours:5**

Unit -I		
Objective 1	**To learn about Social skills and Conflict skills to become a successful person.**	
Social Skills and Conflict Management Skills - Component of Social Skills, effective ways of dealing with people - Types of conflict (intrapersonal, intra group and inter group conflicts) - Basic concepts, cues, signals, symbols and secrets of body language - Significance of body language in communication and assertiveness training. - Conflict stimulation and conflict resolution techniques for effective conflict management		
Outcome1	**Students Generate the effective ways of dealing with people andSignificance of body language in communication**	**K2**
Unit - II		
Objective 2	**To acquire interpersonal skills in order to improve the relationships with human behavior**	
Interpersonal Skills - Concept of team in work situation, promotion of team sprit, characteristics of team player - Awareness of ones own leadership style and performance - Nurturing leadership qualities - Emotional intelligence and leadership effectiveness- self awareness, self management, self motivation, empathy and social skills - Negotiation skills-preparation and planning, definition of ground rules, clarification and justification, bargaining and problem solving, closure and implementation		
Outcome2	**Learners interpret the different Nurturing leadership qualities and leadership effectiveness.**	**K4**
Unit - III		
Objective 3	**To know Testing & Assessment**	
Intelligence, Creativity & Application, Testing & Assessment		
Outcome3	**Students comparevarious application of intelligence and examine the testing.**	**K4**
Unit IV		
Objective 4	**To know about Verbal Abilities**	
Types, Verbal Abilities & Fluency, Numerical Ability		
Outcome4	**Learners operate ways to Verbal Abilities and express the Process of telephoneconversation and could be able to express the verbal abilities.**	**K2**
Unit-V		
Objective 5	**Memory and Inductive Reasoning**	
Spatial and Perceptual Abilities, Situation reaction Test, Memory and Inductive Reasoning		
Outcome5	**Students could be able to Prioritize The Perceptual Abilities and Justify The Reasoning.**	**K5**

Suggested Readings:-

BarunMithra,(2016).

PersonalityDevelopmentandSoftSkills.NewDelhi:OxfordUniversityPressIndia.Lesikar&Flatley.(200

5).B asicBusinessCommunication.NewDelhi:TataMcGrawHill.

Naveen Kumar, & Sudan, A.S. (2004). Managerial Skill Development. New Delhi: Anmol Publications.SarveshGulati, (2012). Corporate Grooming and Etiquette. Kolkatta: Rupa Publications. Fred Luthans,
OrganisationalBehavior,McGrawHill,12 th Edition,2005.

Online Resources www.executiveworld.com. www.selfconfidence.co.uk. www.senselang.com.					
K1- Remember	**K2- Understand**	**K3- Apply**	**K4- Analyze**	**K5- Evaluate**	**K6- Create**

Course Outcome VS Programme Outcomes

CO	S(3)	S(3)	L(1)	M(2)	L(1)	S(3)	L(1)	M(2)	L(1)	L(1)
CO1	L(1)	L(1)	M(2)	L(1)	L(1)	S(3)	L(1)	M(2)	L(1)	L(1)
CO2	M(2)	M(2)	L(1)	L(1)	M(2)	S(3)	M(2)	M(2)	M(2)	L(1)
CO3	M(2)	M(2)	M(2)	L(1)	M(2)	S(3)	M(2)	M(2)	M(2)	L(1)
CO4	L(1)	L(1)	-	L(1)	M(2)	S(3)	M(2)	M(2)	M(2)	L(1)
CO5	**1.8**	**1.6**	**1.2**	**1.2**	**1.6**	**3**	**1.6**	**2**	**1.6**	**1**
W.AV	S(3)	S(3)	L(1)	M(2)	L(1)	S(3)	L(1)	M(2)	L(1)	L(1)

S–Strong (3), M-Medium (2), L-Low (1)

Course Outcome VS Programme Specific Outcomes

CO	**PSO1**	**PSO2**	**PSO3**	**PSO4**	**PSO5**
CO1	S(3)	S(3)	M(2)	L(1)	L(1)
CO2	M(2)	M(2)	M(2)	M(2)	M(2)
CO3	M(2)	M(2)	M(2)	L(1)	M(2)
CO4	M(2)	L(1)	M(2)	S(3)	M(2)
CO5	M(2)	L(1)	M(2)	S(3)	M(2)
W.AV	**2**	**1.8**	**2**	**2**	**1.8**

S–Strong (3), M-Medium (2), L-Low (1)

II - Semester					
DSE III	**Course Code 2MV2E6**	**Soft Skills and Entrepreneurial Skills**	**P**	**Credits:5**	**Hours:5**
Unit -I					
Objective 1	**To know how to work well with others.**				
Self Concept, Self Esteem and Leadership: Self Concept- Definition and Characteristics of Self Concept – Definition of Self-Esteem - Factors influence Self Esteem - Low Vs High Self Esteem - Step to raise Self Esteem - Leadership and Goal setting: Emergence and Functions of Leader - Characteristics of Leadership - Types of Leadership - Characteristics of Successful Leadership					
Outcome1	**Students generate the Steps to raise Self Esteem&Factors influence SelfEsteem.**				**K1**
Unit - II					
Objective 2	**To develop common communication skills.**				
Listening: Active listening –Barriers to listening –Listening and note taking. Speaking: Word stress andrhythm –Pauses and sense groups – Falling and rising tones – Fluency and pace of delivery – Art of small talk – Participating in conversations – Making a short formal speech. Reading: Reading with a purpose – Making predictions – Understanding text structure – Locating main points – Making inferences.					
Outcome2	**Learners classify the different styles of listening and Reading.**				**K2& K4**
Unit - III					
Objective 3	**To motivating others and helping they find their best selves.**				
Writing Models: Letters - Resume and Covering letters - e-mail - Filling application forms. Presentation Skills: Soft skills for academic presentations - Structuring the presentation - Choosing appropriate medium – Clarity and brevity.					
Outcome3	**Students could be able to *Distinguish* the Soft skills for academic presentationsand And Structuring the presentations**				**K3**
Unit IV					
Objective 4	**To understand implementation of Lean Concepts in Inventory Control**				
Concepts of entrepreneur: Entrepreneur- Definitions-Characteristics of entrepreneur-Classification of entrepreneur-Entrepreneurial traits- Entrepreneurial functions - role of entrepreneurs in the economic development- Factor effecting entrepreneurial growth-Entrepreneurship - Meaningdefinition- Entrepreneur Vs Intrapreneur- Women Entrepreneurs- Recent development-Problems in Entrepreneurial Development Programmes-Objectives of EDP-Methods of training-Phases of EDP					
Outcome4	**Learners Illustrate the ways to Factor effecting entrepreneurial growth andexpress the Problems in Entrepreneurial Development.**				**K4**

Unit-V	
Objective 5	**Functions of Software Technology Parks of India (STPI)**

Institutional support and incentives to entrepreneurs- Functions of Department of Industries and Commerce (DIC) - Activities of Small Industrial Development Corporation (SIDCO)-Functions of National Small Industries Corporation(NSIC)-Functions of Small Industries Development Bank of India (SIDBI)- Small Industries Service Institute (SISI)- Activities of Science and Technology Entrepreneurship Development Project (STEDP)-Strategies of National entrepreneurship Development Board(NEDB)-Objectives of National Institute for entrepreneurship and small business development (NIESBUD)- Functions of Software Technology Parks of India (STPI) - Techno park-Functions of techno park Incentives-Importance- Classification of incentivesSubsidy- Types of Subsidy - Basics of Startups – principles – Government schemes: Startup India –principles – plans – policies – procedures – Non-Government schemes – other related schemes.

Outcome5	**Students Determine the various institutions supporting Entrepreneurs and toincentives to entrepreneurs.**	**K5& K6**

Suggested Reading:-

Marilyn Anderson, Pramod K Nayar&Madhucchandra Sen. Critical Thinking, Academic Writing andPresentation Skills, Pearson Education & Mahatma Gandhi University.

Sasikumar .V, KiranmaiDutt .P &GeethaRajeevan. Communication Skills in English, Cambridge University Press & Mahatma Gandhi University.

SangramKeshariMohanty. Fundamentals of Entrepreneurship. New Delhi: PHI. MSME Act 2006.Shukla M.B. Entrepreneurship and small Business Management, KitabMahal Allahabad.

Xavier Alphones S.J. (March 2004). We Shall Overcome A Textbook on Life Coping Skills.Chennai: ICRDCE Publication.

http://startupindia.gov.in/

K1- Remember	**K2- Understand**	**K3- Apply**	**K4- Analyze**	**K5- Evaluate**	**K6- Create**

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	L(1)	M(2)	L(1)	S(3)	L(1)	M(2)	L(1)	L(1)
CO2	L(1)	L(1)	M(2)	L(1)	L(1)	S(3)	L(1)	M(2)	L(1)	L(1)
CO3	M(2)	M(2)	L(1)	L(1)	M (2)	S(3)	M (2)	M (2)	M (2)	L(1)
CO4	M (2)	M (2)	M (2)	L(1)	M (2)	S(3)	M (2)	M (2)	M (2)	L(1)
CO5	M (2)	M (2)	-	M (2)	M (2)	S(3)	M (2)	M (2)	M (2)	L(1)
W.AV	**1.8**	**1.6**	**1.2**	**1.2**	**1.6**	**3**	**1.6**	**2**	**1.6**	**1**

S–Strong (3), M-Medium (2), L-Low (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	M(2)	L(1)	L(1)
CO2	M(2)	M(2)	M(2)	M(2)	M(2)
CO3	M(2)	M(2)	M(2)	L(1)	M(2)
CO4	M(2)	L(1)	M(2)	S(3)	M(2)
CO5	M(2)	S(3)	M(2)	S(3)	M(2)
W.AV	**2**	**1.8**	**2**	**2**	**1.8**

S–Strong (3), M-Medium (2), L-Low (1)

III-Semester					
Core	**Course Code 2MF3C1**	**Technical Textiles**	**T**	**Credits:4**	**Hours:5**

Unit -I		
Objective 1	**To provide knowledge about the fundamentals and classifications of technical textiles.**	
Technical Textiles Introduction: Definition and Scope, history of technical textiles, milestone in the development of Technical textiles, and Future growth of technical textiles industry. Classification of technical textiles and its application in textile and apparel field.		
Outcome1	**Memorize and explain the various applications and advantages of technicaltextiles in real-world scenarios.**	**K1&K2**
Unit - II		
Objective 2	**To gain in-depth understanding about technical fibres, yarn and fabrication with itscharacteristics.**	
Technical Fibres: High – Strength and high-modulus organic fibres, high chemical and combustion - Resistant fibres, high performance inorganic fibres, ultra-fine and novelty fibres. Technical yarns used – staple fiber yarns, filament yarns - Technical woven, knitted structure and nonwoven structure - Finishing of technicaltextiles.		
Outcome2	**Demonstrate the appropriate selection of technical fibres for specificapplications in different industries.**	**K3**
Unit - III		
Objective 3	**To educate students about broad classification of technical textiles and importance of agro textiles**	
Classification of Technical Textiles: Agrotech, Hometech, Oekotech, Buildtech, Clothtech, Geotech, Indutech, Meditech, Mobitech, Oekoteck, Packtech, Protech and Sport tech - Raw material and technology usedfor the textiles and its application areas. **Agro Textiles –** Need for Agro Textiles, Properties Required, Types of Agrotech products and their application, Fibres used, types, properties and functions.		
Outcome3	**Assess the effectiveness of different technical textiles and design innovative agrotextile solutions.**	**K4&K6**
Unit IV		
Objective 4	**To familiarize students with geo and medical textiles.**	
Geo Textiles & Medical Textiles **Geo Textiles:** Classification, Functions, Design, Properties, Raw materials, and Applications. **Medical Textiles:** Classification – Hygiene Textiles – Wound care products – Surgical Textiles. Medical Products – Vascular grafts – Cardiac supportive devices – Embroidered implants. Implantable medical textiles – Tissue engineering – Biomedical Textiles – Antibacterial Textiles – Antimicrobial wound dressings.		
Outcome4	**Evaluate the cost-effectiveness and long-term benefits of geo-textiles andproduce innovative medical textile solutions.**	**K5&K6**
Unit-V		
Objective 5	**To enhance the students with extensive knowledge about protective textiles.**	
Safety and Protective Textiles **Safety and Protective Textiles:** Thermal insulation materials; study of water vapour permeable / water proof materials, military combat clothing systems; camouflage textiles, UV wave band, visible wave band, visual decoys; infrared camouflage; protective textiles against micro organisms, chemicals and pesticides, evaluation technique. Military and Defence Textiles: Protective clothing, Textiles used in defence systems, other applications.		
Outcome5	**Evaluate the functional property of technical textiles.**	

Suggested Readings:-

Horrocks, A R. & Anand, S C. (2016).*Hand book of Technical textiles*. Cambridge: WoodheadPublishing Ltd.

SabitAdanur& Wellington Sears. (2017).*Handbook of Industrial Textiles*. Florida: CRC Press.

Senthil Kumar, R. (2013).*Textiles for Industrial Applications*. Florida: CRC Press.

Alagirusamy, R. & Das, A. (2010).*Technical Textile Yarns - Industrial and Medical Application*. New Delhi:Woodhead Publishing India Pvt Ltd.

A. Richard Horrocks and Subhash C. Anand, (2016),*Handbook of Technical Textiles: TechnicalTextile Applications., edition 2,* UK, Wood head Publishing.

Online Resources

https://ftp.idu.ac.id/wpcontent/uploads/ebook/tdg/ADVANCED%20MATERIAL%20DESIGN/handbook_of_technical_textile_.pdf

https://www.kobo.com/ww/en/ebook/handbook-of-technical-textiles-3

https://www.youtube.com/watch?v=uFB9cBgcomc

https://www.barnesandnoble.com/w/handbook-of-technical-textiles-ar-horrocks/1101215452

K1- Remember	K2- Understand	K3- Apply	K4- Analyze	K5- Evaluate	K6- Create

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)
CO3	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	M(2)	S(3)	S(3)
CO4	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	S(3)
CO5	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)
W.AV	**2.4**	**2.4**	**2.6**	**2.6**	**2.2**	**2.2**	**2.2**	**2.6**	**2.4**	**2.4**

S–Strong (3), M-Medium (2), L-Low (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	M(2)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	M(2)	M(2)
CO3	M(2)	S(3)	S(3)	M(2)	S(3)
CO4	M(2)	M(2)	M(2)	S(3)	S(3)
CO5	M(2)	S(3)	M(2)	S(3)	M(2)
W.AV	**2.2**	**2.6**	**2.4**	**2.4**	**2.4**

S–Strong (3), M-Medium (2), L-Low (1)

III - Semester					
Core	**Course Code 2MF3C2**	**Textile Testing**	**T**	**Credits:4**	**Hours:4**

Unit -I		
Objective 1	**To educate students about the basics of testing and points to be considered.**	
Introduction to testing: Terminology of testing - Methods used in sampling of fibre, yarn and fabric - Definitions and terminology related to humidity - Standard RH and temperature for testing - Moisture content and regain: definition, study of instruments for measuring moisture content and regain: conditioning oven.		
Outcome1	**Recall and understand the terminologies, preparation involved in testing.**	**K1&K2**
Unit - II		
Objective 2	**To know about fibre testing equipments and important properties of fibre.**	
Fiber Testing: Cotton fiber length: study of baer sorter instrument – Fineness: study of Sheffield micronaire instrument – Maturity: study of caustic soda swelling method – Strength: study of stelometer - Determination of trash and lint in cotton: shirley trash analyzer. Brief study of salient features of High Volume and AFIS instruments.		
Outcome2	**Analyze the principles behind various fiber testing techniques & equipments.**	**K4**
Unit - III		
Objective 3	**To develop understanding about the properties of yarn and testing equipments**	
Yarn Testing: Yarn count: definitions of English, Tex and Denier systems – Determination of yarn count by beesley‘s balance - Yarn twist: definition, direction of twist, twist multipliers, twist testers - Yarn strength testing: principles of CRT, CRL and CRE, study of instruments: single thread strength tester, lea strength tester - Yarn evenness: classification of variation, basic irregularity and index of irregularity, methods used for measuring yarn evenness: uster evenness tester – Study of uster classimat: yarn hairiness - yarn crimp.		
Outcome3	**Evaluate and develop new or improved yarn testing producers to enhancequality control and production efficiency.**	**K5&K6**
Unit IV		
Objective 4	**To gain knowledge about fabric properties.**	
Fabric Testing: Fabric thickness: study of thickness tester - Study of fabric tensile strength tester of pendulum type, elmendorf tearing strength tester and hydraulic bursting strength tester - Fabric abrasion: Martindale abrasion tester - Pilling: ICI pill box tester - Drape: study of drape meter - Fabric stiffness: study of stiffness tester - Crease resistance and crease recovery: study of crease recovery tester - Air permeability: air permeability tester - Permeability to water: Bundersmann tester.		
Outcome4	**Demonstrate the importance of fabric testing.**	**K3**
Unit-V		
Objective 5	**To get knowledge about garment and accessories testing.**	
Advanced Fabric Testing Instruments and Apparel & Accessory Testing Brief study of objective measurement of fabric handles by Kawabata Tester and FAST tester. **Garment Testing:** seam strength, dimensional Stability, spirality, MMT Test, Thermal studies – Alambata,Contact Angle Measurement. **Accessories Testing**: Peel bond strength testing: zipper, buttons.		
Outcome5	**Compare and contrast various apparel and accessory testing methods for specific product types.**	**K4**

Suggested Readings:-

Angappan, P. & Gopalakrishnan, R. (2002).*Textile Testing***.** Komarapalayam: SSM Institute of TextileTechnology.Komarapalayam

Booth, J.E. (2018**).** *Principles of Textile Testing***.** New Delhi: CBS Publishers and Distributors Pvt. Ltd. Elliot B. Grover., Dame S. Hamby**.** (2016).*Handbook of Textile Testing and Quality Control***.** NewDelhi: Wiley India Edition.

Kothari, V. K. (1999).*Testing and Quality Management* (Vol.1). New Delhi: IAFL Publications**.** Koushik, C.V. & Chandrasekaran, R. (2004).*Textile Testing***.** New Delhi: NCUTE Publication. Marjorie A. Taylor. (1990). *Technology of Textile Properties*. London: Forbes publicationsLtd.

Saville, B. P. (2002). Physical *Testing of Textiles***.** Cambridge: Woodhead Publishing Ltd.

Online Resources

https://textilestudycenter.com/library/
https://books.google.co.in/books/about/Principles_of_Textile_Testing.html?id=294vAAAAYAAJ&redir_esc=y
https://www.textileebook.com/2019/04/a-practical-guide-to-textile-testing-k-amutha.html
https://www.youtube.com/watch?v=1zri6C9naOo

K1- Remember	K2- Understand	K3- Apply	K4- Analyze	K5- Evaluate	K6- Create

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	M(2)	L(1)
CO2	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	M(2)	L(1)	M(2)
CO3	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	S(3)
CO4	M(2)	M(2)	S(3)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)
CO5	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	L(1)
W.AV	**2.4**	**2.4**	**2.6**	**2.6**	**2.2**	**2.2**	**2.4**	**2.2**	**2**	**1.8**

S–Strong (3), M-Medium (2), L-Low (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	M(2)	M(2)	M(2)
CO2	S(3)	M(2)	S(3)	M(2)	M(2)
CO3	M(2)	M(2)	M(2)	S(3)	S(3)
CO4	M(2)	S(3)	S(3)	M(2)	M(2)
CO5	M(2)	M(2)	S(3)	M(2)	M(2)
W.AV	**2.4**	**2.4**	**2.6**	**2.2**	**2.2**

S–Strong (3), M-Medium (2), L-Low (1)

III - Semester					
Core	**Course Code 2MF3C3**	**Finishing Skills in Fashion Technology**	**P**	**Credits:2**	**Hours: -**

Unit -I		
Objective1	**To impart knowledge about textile fibers and its applications.**	
Textile fibres: Natural and synthetic fibers - morphological structure, Chemical composition, properties and end use - Raw materials used - Manufacturing sequence of fibres - Applications of high end fiber.		
Outcome1	**Remember the fundamentals of textile fibers.**	**K1**
Unit - II		
Objective 2	**To gain in-depth knowledge about manufacturing process.**	
Apparel Manufacturing Industry: Nature and Scope - Types of apparel production, process sequence, andmajor function in apparel industry. Apparel trade association.		
Outcome2	**Understand and analyze the apparel manufacturing process.**	**K2&K4**
Unit - III		
Objective 3	**To educate students about wet processing and recent developments.**	
Wet Processing: Textile processing, importance of eco textiles and green textiles.		
Outcome3	**Describe the basics of wet processing and assess the importance of sustainability.**	**K2&K5**
Unit IV		
Objective 4	**To acquaint students with apparel trade and its role**	
Apparel Trade: Apparel industry and trade, organization involved in trade.		
Outcome4	**Analyze the impact of various policies and regulation on the apparel trade.**	**K4**
Unit-V		
Objective5	**To provide extensive understanding about technical textiles.**	
Technical Textiles: Technical textiles- growth-application.		
Outcome5	**Design and create innovative solutions using technical textiles.**	**K6**

Suggested Readings:-

William Watson 2017. *Advanced Textile Design.* UK : Andesite Press

Gohl, E.P.G. &Vilensky, L.D. (2009). Textile Science. New Delhi: CBS Publishers.

Horrocks, A R. &Anand, S C. (2016). Hand book of Technical textiles. Cambridge: Woodhead PublishingLtd.

Karthik, T. (2016). Home Textiles. New Delhi: Astral International Pvt Ltd.Klein, W.D. (2018). Technology of spinning. Manchester: Textile Institute.

N Bhagwat, R.S. (2000). Wet Processing Machineries. Ahmedabad: Mahajan Publications.

Horrocks, A R. &Anand, S C. (2016).*Hand book of Technical textiles***.** Cambridge: Woodhead Publishing Ltd.

SabitAdanur& Wellington Sears. (2017).*Handbook of Industrial Textiles***.** Florida: CRC Press.

Note:

This paper aims at seamless preparation of the students for attending / facing placement technical interviews.

At the end of the semester, an evaluation will be done for 100 marks with 100 objective type questions. Thequestion paper will be prepared and evaluated by the Department/ Alagappa Institute of Skill Development it.

Online Resources https://www.kobo.com/us/en/ebook/apparel-industry https://www.textileindustry.net/apparel-ebook-free-download/ https://www.kobo.com/in/en/ebook/information-systems-for-the-fashion-and-apparel-industry					
K1- Remember	**K2- Understand**	**K3- Apply**	**K4- Analyze**	**K5- Evaluate**	**K6- Create**

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	S(3)	S(3)	M(2)	M(2)	S(3)	M(2)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	M(2)	M(2)	M(2)
CO3	M(2)	M(2)	S(3)	S(3)	S(3)	S(3)	M(2)	S(3)	M(2)	M(2)
CO4	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	M(2)
CO5	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
W.AV	**2.4**	**2.4**	**2.6**	**2.6**	**2.2**	**2.4**	**2.6**	**2.2**	**2.2**	**2.2**

S–Strong (3), M-Medium (2), L-Low (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	M(2)	M(2)	M(2)	M(2)
CO2	M(2)	S(3)	S(3)	M(2)	M(2)
CO3	M(2)	S(3)	M(2)	S(3)	M(2)
CO4	S(3)	M(2)	S(3)	M(2)	M(2)
CO5	M(2)	S(3)	M(2)	M(2)	S(3)
W.AV	**2.4**	**2.6**	**2.4**	**2.2**	**2.2**

S–Strong (3), M-Medium (2), L-Low (1)

III-Semester					
Core	**Course Code 2MF3P1**	**Textile Testing – Lab**	**P**	**Credits:4**	**Hours:4**

Unit -I

Objective1	**To study about testing the yarn properties**	
➢ Determination of yarn Count. ➢ Determination of lea strength. ➢ Determination of yarn twist (single / ply) ➢ Determination of single yarn Strength.		
Outcome1	**Recall and memorize various yarn testing methods and their purposes.**	**K1&K2**

Unit - II

Objective 2	**To evaluate the fabric defects and estimate the fundamentals.**	
➢ Evaluation of fabric defects by using 4 point system. ➢ Determination of fabric weight by GSM cutter. ➢ Determination of yarn count by beesley balance.		
Outcome2	**Evaluate the importance of selecting appropriate yarn count and fabricweight for special applications.**	**K5**

Unit - III

Objective 3	**To provide knowledge to analyze the visual quality factors of the fabric.**	
➢ Determination of abrasion resistance of the given fabric. ➢ Determination of crease recovery of the given fabric. ➢ Determination of drape of the given fabric.		
Outcome3	**Compare and contrast the results obtained from various fabrics.**	**K4**

Unit IV

Objective 4	**To estimate the strength of the fabric**	
➢ Determination of pilling of the given fabric. ➢ Determination of tensile Strength of the given fabric. ➢ Determination of tear Strength of the given fabric.		
Outcome4	**Students able to predict the durability of the fabric.**	**K3**

Unit-V

Objective5	**To analyze the comfort and strength of the fabric.**	
➢ Determination of bursting Strength of the given fabric. ➢ Determination of air permeability of the given fabric. ➢ Analysis of seam puckers.		
Outcome5	**Design textile materials with desired bursting strength and air permeabilityproperties.**	**K6**

Online Resources

https://www.textileebook.com/2019/04/a-practical-guide-to-textile-testing-k-amutha.html https://www.textileadvisor.com/2020/05/yarn-appearance-test.html https://www.textileadvisor.com/2020/03/yarn-count-testing-and-yarn-tensile.html https://www.youtube.com/watch?v=8AG31-hPOKw

K1- Remember	K2- Understand	K3- Apply	K4- Analyze	K5- Evaluate	K6- Create

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	S(3)	S(3)	M(2)	M(2)
CO3	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	M(2)	M(2)	M(2)
CO4	M(2)	S(3)	M(2)	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)
CO5	M(2)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	S(3)	S(3)	S(3)
W.AV	**2.2**	**2.4**	**2.4**	**2.4**	**2.6**	**2.4**	**2.6**	**2.6**	**2.2**	**2.2**

S–Strong (3), M-Medium (2), L-Low (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	S(3)	M(2)	M(2)
CO2	M(2)	M(2)	M(2)	S(3)	S(3)
CO3	S(3)	M(2)	S(3)	S(3)	S(3)
CO4	S(3)	S(3)	S(3)	S(3)	M(2)
CO5	M(2)	S(3)	S(3)	M(2)	S(3)
W.AV	**2.6**	**2.6**	**2.8**	**2.6**	**2.6**

S–Strong (3), M-Medium (2), L-Low (1)

III-Semester					
Core	**Course Code 2MF3P2**	**CAD in Pattern Making - Lab**	**P**	**Credits:4**	**Hours:4**
Objective 1	**To understand the tools used in CAD**				
Objective 2	**To develop knowledge about pattern making, pattern lay, planning marker efficiency.**				
Objective 3	**To create patterns for kids, women's and men's apparel.**				
Objective 4	**To develop skills on CAD in designing and apparel manufacturing.**				
Objective 5	**To provide knowledge about grading the developed pattern.**				

Design and develop the pattern for the following style using TUKA-CAD.

1. Introduction basic tools, application, making patterns for different age group.
2. Drafting, lay planning and pattern grading of children's
   apparel.Yoke frock
   Baba suit
   Summer
   frock
3. Drafting, lay planning and pattern grading of women's
   apparel.Chudidar
   Princess line
   dressTop
   Blouse
4. Drafting, Lay planning and pattern grading of men's
   apparel.Pant
   Kurtha
   S.B. Waist coat

Outcome 1	**Students able to grasp the fundamentals of using CAD for pattern making.**	**K1**
Outcome 2	**Apply skills to create patterns, laying pattern and effectively plan the markerefficiency.**	**K3**
Outcome 3	**Experiment the drafting of patterns for kids, women's and men's apparel.**	**K4**
Outcome 4	**Evaluate and create patterns for complex designs.**	**K5& K6**
Outcome 5	**Student able to possess creativity and draft pattern for various sizes based ongrading technique.**	**K6**

Online Resources
https://www.oreilly.com/library/view/pattern-cutting-for/9780857092311/
https://www.sciencedirect.com/book/9780857092311/pattern-cutting-for-clothing-using-cad https://www.youtube.com/watch?v=n-tWecPMIQc
https://www.youtube.com/watch?v=QTfuWb2M73s

K1- Remember	K2- Understand	K3- Apply	K4- Analyze	K5- Evaluate	K6- Create

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	S(3)
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	M(2)
CO3	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	M(2)	M(2)	S(3)
CO4	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	S(3)	S(3)
CO5	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	S(3)	S(3)
W.AV	**2.4**	**2.4**	**2.4**	**2.4**	**2.2**	**2.4**	**2.4**	**2.2**	**2.6**	**2.8**

S–Strong (3), M-Medium (2), L-Low (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	M(2)	M(2)	S(3)	M(2)
CO2	M(2)	S(3)	S(3)	M(2)	S(3)
CO3	S(3)	M(2)	M(2)	S(3)	M(2)
CO4	M(2)	M(2)	S(3)	M(2)	S(3)
CO5	M(2)	M(2)	S(3)	M(2)	S(3)
W.AV	**2.4**	**2.2**	**2.6**	**2.4**	**2.6**

S–Strong (3), M-Medium (2), L-Low (1)

III - Semester					
DSE IV	**Course Code 2MF3E1**	**Intimate Apparels**	**T**	**Credits:5**	**Hours:5**

Unit -I		
Objective 1	**To impart knowledge about fibers, fabrics, designs and accessories suitable for intimate apparels.**	
Intimate apparels Definition, classification, materials-fiber, fabric and accessories; physical and physiological requirements of intimate apparels.		
Outcome1	**Recall and identify different types of fabrics and designs to create intimate apparel.**	**K1**
Unit - II		
Objective 2	**To provide basic knowledge about design analysis and pattern drafting of men's intimate apparel.**	
Design analysis Measurements, pattern drafting of men's intimate apparel – Long johns, tank top, tanga, boy shorts, knickers, bikini underwear, thong, boxer briefs, boxer shorts and jock strap.		
Outcome2	**Explain the principles of pattern drafting and how they relate to creating comfortable and functional intimate apparel for men.**	**K2&K3**
Unit - III		
Objective 3	**To educate the students about the design analysis and pattern drafting of women's intimate apparel.**	
Design analysis, measurements, pattern drafting of women's intimate apparel – waist petticoats, panties, camisoles, tube top, shape wear, bikini and bra.		
Outcome3	**Analyze the impact of fabric choices and construction methods on the comfort and functionality of women's intimate apparel.**	**K4**
Unit IV		
Objective 4	**To impart knowledge about accessories suitable for intimate apparels.**	
Intimate apparel accessories - Bra wire, hook and eye tape, ring and slider, buckle, plastic bone, elastics and sewing threads		
Outcome4	**Evaluate the effectiveness of accessories in addressing specific challenges relatedto intimate apparel.**	**K5**
Unit-V		
Objective 5	**To study about the Sewing of intimate apparels**	
Sewing of intimate apparels - seams, stitches, machines; lamination; moulding and welding technique.		
Outcome5	**Create unique and customized intimate apparel designs using advanced sewingtechniques.**	**K6**

Suggested Readings:-

Lynn Nottage, 2014. *Intimate Apparel*, USA, Nick Hern Books.

Winnie Yu, 2016, *Advances in Women's Intimate Apparel Technology*, Woodhead Publishing inAssociation with The Textile Institute Woodhead Publishing is an imprint of Elsevier,

Ann Haggar,2001. ‑*Pattern Cutting For Lingerie, Beach Wear And Leisure Wear*‖, Black Well Science Limited, France,

Ann Haggar, 2001 ―Pattern Cutting for Lingerie, Beach Wear and Leisure Wear‖, Black Well ScienceLimited, France.

W.Yu, J. Fan, S.C. Harlock, S.P. Ng., 2006 ―Innovations and Technology of Women's IntimateApparel‖, Wood head Publishing Limited, England.

Online Resources https://www.amazon.in/Intimate-Apparel-Fabulation-Lynn-Nottage-ebook/dp/B0081RLJ4A https://www.perlego.com/book/729605/intimate-apparelfabulation-pdf https://www.overdrive.com/media/934566/intimate-apparel-fabulation https://www.youtube.com/watch?v=mZU0mfrRVRQ					
K1-Remember	**K2- Understand**	**K3- Apply**	**K4- Analyze**	**K5- Evaluate**	**K6- Create**

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	S(3)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)
CO3	M(2)	M(2)	S(3)	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)
CO4	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)
CO5	M(2)	M(2)	S(3)	S(3)	S(3)	S(3)	S(3)	M(2)	S(3)	S(3)
W.AV	**2.4**	**2.4**	**2.6**	**2.4**	**2.4**	**2.6**	**2**	**2.4**	**2.2**	**2.2**

S–Strong (3), M-Medium (2), L-Low (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	M(2)	M(2)	M(2)	M(2)
CO2	M(2)	S(3)	S(3)	M(2)	S(3)
CO3	S(3)	M(2)	S(3)	M(2)	M(2)
CO4	S(3)	M(2)	S(3)	M(2)	M(2)
CO5	M(2)	S(3)	M(2)	S(3)	S(3)
W.AV	**2.6**	**2.4**	**2.6**	**2.2**	**2.4**

S–Strong (3), M-Medium (2), L-Low (1

III - Semester					
DSE IV	**Course Code 2MF3E2**	**Lean Manufacture in Apparel Industry**	**T**	**Credits:5**	**Hours:5**

Unit -I

Objective 1	**To impart knowledge on the basics of lean manufacturing.**	
Introduction		
Introduction – Lean concept - 8 wastages, profit leakages due to wastages, over production, higher inventory, waiting time, unnecessary conveyance and motion of materials, over processing, rework, repairs, rejections, wastage of people talents. Concept of 5s: Seiri, seiton, seisō, seiketsu, shitsuke. Housekeeping practices in garment industry for cleaner production.		
Outcome1	**Memorize and Explain the concept of waste in a manufacturing process and identify its various forms.**	**K1**

Unit - II

Objective 2	**To educate students about CTQ and value stream mapping.**	
Critical to Quality and Value Stream Mapping		
Critical to Quality (CTQ): defining process, objectives, important to customer as CTQ. Supplier Input – Process Output – Customer (SIPOC) – SIPOC and Process Flow - Pull and push system of manufacturing - concepts of JIT - Value Stream Mapping: Identifying non – value activities – eliminating non – value activities through VSM in garment industry.		
Outcome2	**Explain the relationship between CTQs and customer satisfaction in a manufacturing process and analyze the effectiveness of value stream mapping.**	**K2& K4**

Unit - III

Objective 3	**To provide knowledge about statistical quality control.**	
Statistical Tools		
Defect / defective distribution measurement using normal distribution. DMAIC (Define-Measure-Analyze-Improve-Control) model in world class zero defect programme (ZED model). Concept of lean six sigma.		
Outcome3	**Apply control chart techniques to monitor a manufacturing process.**	**K3**

Unit IV

Objective 4	**To understand implementation of Lean Concepts in Inventory Control**	
Lean Concepts in Inventory Control		
Takt Time - Calculation of time for producing exactly quantity required. Reduction of inventory using simple Economic Order Quantity (EOQ) and batch production models. Continuous Improvement – application of KAIZEN in reducing rejections. Application of KANBAN Cards for production planning and control for traceability and identification. Six Sigma Basics: Overview and Implementation. Process measurement, Process analysis, Process improvement and Process control.		
Outcome4	**Assess the effectiveness of Lean inventory control in achieving cost savings andimproved inventory turnover.**	**K4**

Unit-V

Objective 5	**To familiarize students with Lean Tools for Garment Industry**
Lean Tools for Garment Industry	
Concepts and applications of single piece flow, quick change-over (SMED), total productive maintenance (TPM), heijunka, cellular production system, visual controls (Andon), poka-yoke, super market concept. Lean implementation strategy in apparel industry, case studies of lean manufacturing in garment industry.	

Outcome5	Critique an existing garment production process and propose Lean improvements for enhanced productivity and waste reduction.	K5&K6

Suggested Readings:-

Academic Publishing.

Colenso Michael, (2002). *Kaizen Strategies for Successful Organizational Change*. London: PearsonEducation Pvt. Ltd.

Creveling, C M., Slutsky, J L. & Antis, D. (2004). *Design for Six Sigma Technology and ProductDevelopment*. India: Pearson Education India Pvt. Ltd.

David Mann,2014,*Creating a Lean Culture: Tools to Sustain Lean Conversions*, Productivity Press; 3 editionSain Manoj Kumar, 2013,*Lean Manufacturing Implementation in Garment Industry*, LAP Lambert

Gopalakrishnan, N. (2010). *Simplified Lean Manufacture - Elements, Rules, Tools andImplementation*.

Hobbs Dennis, P. (2009). *Lean Manufacturing Implementation - A Complete Execution Manual for any sizeManufacturer.* New Delhi: Cengage Learning India Private Ltd.

Lonnie Wilson, 2015,*How to implement Lean Manufacturing*, McGraw-Hill Professional; 2nd edition.Askin Ronald, G. & Goldberg Jeffrey, B. (2003). *Design and Analysis of Lean Production Systems.*

New Delhi: Prentice Hall of India Learning Pvt. Ltd.
New Jersey: John Wiley & Sons Inc.

Pascal Dennis, 2015, *Lean Production Simplified, Third Edition: A Plain-Language Guide to theWorld's Most Powerful Production System*, Productivity Press; 3rd edition.

Rajmanohar, T P. (2008). *Cost of Poor Quality - Concept and Applications*. Telangana: ICFAI Press. Rajmanohar, T P. (2009). *Lean Product Development - Concept and Models*. Telangana: ICFAI Press

Online Resources

https://www.amazon.in/Making-Apparel-Manufacturing-Anand-Deshpande-ebook/dp/B0994NP4YR https://shop.elsevier.com/books/lean-tools-in-apparel-manufacturing/jana/978-0-12-819426-3 https://www.kobo.com/in/en/ebook/transforming-apparel-production-through-lean-methodology https://www.leanvlog.com/lean-manufacturing-in-garments-industry/

K1- Remember	K2- Understand	K3- Apply	K4- Analyze	K5- Evaluate	K6- Create

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	S(3)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	M(2)	S(3)	S(3)
CO3	M(2)	M(2)	S(3)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
CO4	M(2)	M(2)	S(3)	S(3)	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)
CO5	S(3)	S(3)	M(2)	S(3)	M(2)	M(2)	M(2)	S(3)	S(3)	S(3)
W.AV	**2.4**	**2.4**	**2.6**	**2.6**	**2.2**	**2.6**	**2.4**	**2.4**	**2.6**	**2.6**

S–Strong (3), M-Medium (2), L-Low (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	M(2)	M(2)	S(3)	M(2)
CO2	M(2)	S(3)	S(3)	M(2)	S(3)
CO3	S(3)	M(2)	S(3)	S(3)	M(2)
CO4	M(2)	S(3)	S(3)	M(2)	M(2)
CO5	S(3)	M(2)	M(2)	S(3)	S(3)
W.AV	**2.6**	**2.4**	**2.6**	**2.6**	**2.4**

S–Strong (3), M-Medium (2), L-Low (1)

III - Semester					
DSE IV	**Course Code 2MF3E3**	**Apparel Brand Management**	**T**	**Credits:5**	**Hours:5**

Unit -I

Objective 1	**To educate about the basics of branding**	
Basics of Branding Concept, image, identity, loyalty - Brand name – types - Branding strategy - Brand positioning - competitive positioning, product positioning. Brand equity - Intellectual property rights Trademark and brand registration.		
Outcome1	**Explain the importance of brand consistency in maintaining a strong brand image.**	**K1**

Unit - II

Objective 2	**To impart knowledge on brand building**	
Brand Building Consumer branding, technology branding, corporate branding, retail branding. Brand extension: Concept, evaluation of opportunities, factors influencing extension, extension guidelines.		
Outcome2	**Students able to understand and analyse the building of successful brand**	**K2&K4**

Unit - III

Objective 3	**To realize the importance of global branding**	
Global Branding Rationale: advantages / disadvantages - International branding strategy - planning system, leadership, cross- country relationship. Brand Management Systems: Role of Product managers / brand managers - Trends inbrand management - brand culture - Brand alliances – co branding, licensing.		
Outcome3	**Apply the strategies for implementing global branding**	**K3**

Unit IV

Objective 4	**To provide knowledge about various types of advertising**	
Advertising Definition, advertising objectives, benefits, economic aspects and ethics in advertising - Advertising and marketing mix - Advertising Appeal: Message – reach, frequency, impact and effectiveness Media Overview: Types of media, media selection, media plan, media cost and availability - Matching media and market - Media strategy - media mix, media scheduling - Comparative evaluation.		
Outcome4	**Compare and contrast the different types of advertising**	**K5**

Unit-V

Objective 5	**To enable the students to understand the advertising business**	
Advertising Business Organization, advertising manager, advertising agency, advertising plan, basic principles and agency compensation - Public relations - Advertising Budget: Allocation of budget for various components of advertising. Methods of determining budget for advertisement. Administering the advertisement budget.		
Outcome5	**Design an innovative and comprehensive advertising strategy for a real-world product or service.**	**K6**

Suggested Readings:-

Chandrasekhar, K.S. (2002). *Product Management - Text and Cases*. Mumbai: Himalaya PublishingHouse.

Clare Harris, 2017,*The Fundamentals of Digital Fashion Marketing*, Bloomsbury Visual Arts.

Harriet Posner, 2015,*Marketing Fashion, Second edition: Strategy, Branding and Promotion*, Laurence KingPublishing; 2 edition.

Harsh V. Verma. (2005). *Brand Management - Text and Cases*. New Delhi: Excel Books.Kevin Lane Keller, (2006). *Strategic Brand Management*. New Jersey: Prentice Hall.

Mike Easey , 2009,*Fashion Marketing*, Wiley; 3rd Edition edition.

Sengupta, S. (2006). *Brand Positioning*. New Delhi: Tata McGraw Hill Publications.

Wendy K. Bendoni , 2017,*Social Media for Fashion Marketing: Storytelling in a Digital World*, BloomsburyVisual Arts.

Online Resources

https://www.perlego.com/book/3828098/fashion-brand-management-plan-scale-and-market-a-successful- fashion-business-pdf

https://www.kobo.com/au/en/ebook/fashion-brand-management

https://www.scribd.com/document/449038629/Fashion-Branding-and-Communication-eBook

https://www.youtube.com/watch?v=O3_O8mSjDtA

K1- Remember	K2- Understand	K3- Apply	K4- Analyze	K5- Evaluate	K6- Create

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	M(2)	S(3)	M(2)	M(2)	S(3)	M(2)	S(3)
CO2	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	M(2)	M(2)	S(3)
CO3	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	M(2)
CO4	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	S(3)	M(2)	M(2)
CO5	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	**2.4**	**2.4**	**2.2**	**2.4**	**2.4**	**2.4**	**2.2**	**2.4**	**2.4**	**2.6**

S–Strong (3), M-Medium (2), L-Low (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	M(2)	M(2)	S(3)	M(2)
CO2	M(2)	S(3)	S(3)	M(2)	M(2)
CO3	S(3)	M(2)	S(3)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	S(3)	M(2)
CO5	M(2)	M(2)	S(3)	M(2)	S(3)
W.AV	**2.6**	**2.2**	**2.6**	**2.4**	**2.2**

S–Strong (3), M-Medium (2), L-Low (1)

III-Semester					
DSE V	**Course Code 2MF3E4**	**Fashion Styling - Lab**	**P**	**Credits:5**	**Hours:5**

Unit -I		
Objective1	**To provide basic knowledge of styling the ancient apparels of world.**	
➢ Costumes of India: traditional costumes of different states of India. ➢ English Textiles and Costumes- Middle Age and American Costumes-18th-20th Century. ➢ Introduction to evolution of theatre costumes.		
Outcome1	**Understanding the various cultural contexts and symbols associated withancient apparels**	**K2**
Unit - II		
Objective 2	**To educate students about illustrating the ensemble of various countries.**	
➢ Sketch and colour: Costume (male & female), Mask, Footwear's, Accessories and Jewellery of thefollowing theatres - Greek, Egypt, (One each). ➢ Sketch and colour: Costume (male & female), Mask, Footwear's, Accessories and Jewellery of the following theatres - Roman, Chinese, Japanese and 19th century (One each).		
Outcome2	**Analyze the similarities and differences between fashion styles in differentcountries.**	**K4**
Unit - III		
Objective 3	**To get insight knowledge about designing a theatre costumes and role of trimmings and decorations**	
➢ Study and preparation of any one variety of theatre costume with suitable accessories based on a movie or abook. ➢ Major Trimmings and Decorations.		
Outcome3	**Select appropriate fabrics, colors, and designs and Combine various trimming and decoration elements to produce unique and visually captivating costumes.**	**K3&K6**
Unit IV		
Objective 4	**To educate about the survey of brands and sourcing of raw materials.**	
➢ Survey on famous brands available in market for men, women & children. ➢ Sourcing of fabrics, fasteners and trims.		
Outcome4	**Assess the effectiveness of the survey methodology and data collection process.**	**K5**
Unit-V		
Objective5	**To impart understanding about window display.**	
➢ Layout, design and illustration for different kinds of store displays. ➢ Window display for a specific store and boutique. ➢ Thematic window display.		
Outcome5	**Create an original and innovative window display concept that aligns with thebrand's identity and objectives.**	**K6**

Online Resources

https://bookauthority.org/books/best-fashion-designers-ebooks
https://www.scribd.com/document/373433048/Mastering-Fashion-Styling
https://www.perlego.com/book/2035521/fashion-thinking-creative-approaches-to-the-design-process-pdf
https://www.youtube.com/watch?v=SgoO2tkChm8

K1- Remember	K2- Understand	K3- Apply	K4- Analyze	K5- Evaluate	K6- Create

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)
CO2	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	M(2)
CO3	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
CO4	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	S(3)	M(2)
CO5	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	**2.4**	**2.4**	**2.2**	**2.2**	**2.2**	**2.2**	**2.4**	**2.2**	**2.4**	**2.4**

S–Strong (3), M-Medium (2), L-Low (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	M(2)	S(3)	M(2)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	M(2)	M(2)
CO3	S(3)	M(2)	S(3)	M(2)	S(3)
CO4	S(3)	M(2)	M(2)	S(3)	M(2)
CO5	M(2)	M(2)	M(2)	M(2)	S(3)
W.AV	**2.4**	**2.2**	**2.4**	**2.2**	**2.4**

S–Strong (3), M-Medium (2), L-Low (1)

III-Semester					
DSE V	**Course Code 2MF3E5**	**Surface Ornamentation in Apparels and Textiles - Lab**	**P**	**Credits:5**	**Hours:5**

Unit -I

Objective1	**To educate about the evolution of embroidery and selection of raw materials.**	
➢ Introduction and origin of embroidery – general rules for hand and machine embroidery. ➢ Selection of needle, threads & fabrics for embroidery.		
Outcome1	**Recollect the knowledge about the evolution of surface enrichment.**	**K1**

Unit - II

Objective 2	**To provide knowledge about basic embroidery stitches**	
➢ Basic embroidery stitches and its variations -Running stitch, chain stitch, cross stitch, stem stitch. ➢ Lazy daizy, French knot, Satin stitch, Feather.		
Outcome2	**Identify and compare the basic embroidery stitches.**	**K2&K5**

Unit - III

Objective 3	**To enable the students to gain knowledge about traditional embroidery stitches.**	
➢ Traditional embroidery stitches – Kantha, Kasuthi, Chikankari, Phulkari, Kashida. ➢ Quilting, and patch work.		
Outcome3	**Use traditional embroidery stitches to develop traditional products.**	**K3**

Unit IV

Objective 4	**To teach about the surface enrichment work.**	
➢ Cut work, Aari work, Zardhosi, couching mirror work, drawn thread work. ➢ Special techniques: smocking, ribbon work, beads and sequence work, hand fabric painting.		
Outcome4	**Examine and evaluate the surface enriched apparel and accessories.**	**K4&K5**

Unit-V

Objective 5	**To design a product based on a theme.**	
➢ Developing one product based on techniques of surface ornamentation (one or more). ➢ Preparation of Macrame sample		
Outcome5	**Students able to develop a product based on a particular theme.**	**K6**

Online Resources

https://dgt.gov.in/sites/default/files/CTS_SOTech_Emb_2017.pdf
https://upvesd.gov.in/pdf/Sur_Ornamentation_CTS.docx.pdf
https://www.indcareer.com/course/certification-surface-ornamentation-textiles-csot
https://m.youtube.com/watch?v=2UGOKGEIyJM

K1- Remember	K2- Understand	K3- Apply	K4- Analyze	K5- Evaluate	K6- Create

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	S(3)	S(3)
CO2	S(3)	S(3)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)	S(3)	M(2)
CO3	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)
CO4	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)	M(2)	S(3)
CO5	M(2)	M(2)	S(3)	S(3)	M(2)	S(3)	M(2)	M(2)	S(3)	S(3)
W.AV	**2.4**	**2.4**	**2.6**	**2.6**	**2.2**	**2.6**	**2.4**	**2.4**	**2.6**	**2.8**

S–Strong (3), M-Medium (2), L-Low (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	M(2)	M(2)	M(2)	S(3)
CO2	M(2)	S(3)	M(2)	S(3)	M(2)
CO3	S(3)	M(2)	S(3)	M(2)	S(3)
CO4	S(3)	M(2)	S(3)	S(3)	M(2)
CO5	M(2)	S(3)	M(2)	M(2)	S(3)
W.AV	**2.6**	**2.4**	**2.4**	**2.4**	**2.6**

S–Strong (3), M-Medium (2), L-Low (1)

III-Semester					
DSE V	**Course Code 2MF3E6**	**Advanced Garment Construction - Lab**	**P**	**Credits:5**	**Hours:5**

Unit -I		
Objective1	**To provide knowledge about machineries and designing the kids wear.**	
➢ Single Needle Lock Stitch Machine (SNLS) – Select fabrics of different construction and modify the stitchesper inch and study the effects. ➢ Design and construct the party wear for children‘s.		
Outcome1	**Students able to understand the construction procedure of kids wear.**	**K2**
Unit – II		
Objective 2	**To develop designer wears for men and women.**	
➢ Design and construct the executive wear for men‘s. ➢ Design and construct the casual and party wear for women‘s		
Outcome2	**Use creative ideas to develop haute couture apparels.**	**K6**
Unit – III		
Objective 3	**To construct intimate apparels for all age groups.**	
➢ Design and construct innerwear for men / women / children.		
Outcome3	**Differentiate between various intimate apparels.**	**K5**
Unit IV		
Objective 4	**To create garments for functional purpose.**	
➢ Design and construct garment for special people. ➢ Design and construct specialized clothing – pesticide worker.		
Outcome4	**Assess and evaluate the functional purpose of apparels.**	**K4&K5**
Unit-V		
Objective5	**To construct various apparel accessories.**	
➢ Design and construct Gloves / Cap / Socks / Veils.		
Outcome5	**Design and develop creative apparel accessories.**	**K6**

Online Resources

https://ncert.nic.in/vocational/pdf/ivsm103.pdf
https://www.researchgate.net/publication/345044538_Advanced_Garment_Construction_Guide
https://kcgcollege.ac.in/pdf/fashion/Regulation-Fashion-Tech-2020.pdf
https://www.youtube.com/watch?v=T8XEWi7ySDs

K1- Remember	K2- Understand	K3- Apply	K4- Analyze	K5- Evaluate	K6- Create

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	M(2)	M(2)	M(2)
CO2	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
CO3	S(3)	S(3)	M(2)	M(2)	S(3)	M(2)	M(2)	S(3)	M(2)	M(2)
CO4	M(2)	M(2)	S(3)	S(3)	M(2)	S(3)	S(3)	S(3)	M(2)	S(3)
CO5	M(2)	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	**2.4**	**2.4**	**2.6**	**2.6**	**2.6**	**2.4**	**2.4**	**2.4**	**2.4**	**2.6**

S–Strong (3), M-Medium (2), L-Low (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	M(2)	S(3)	M(2)	S(3)	S(3)
CO2	S(3)	M(2)	S(3)	M(2)	S(3)
CO3	S(3)	M(2)	M(2)	S(3)	M(2)
CO4	M(2)	S(3)	S(3)	S(3)	M(2)
CO5	M(2)	M(2)	S(3)	M(2)	S(3)
W.AV	**2.4**	**2.4**	**2.6**	**2.6**	**2.6**

S–Strong (3), M-Medium (2), L-Low (1)

IV - Semester					
General	**CourseCode 2MF4G1**	**Portfolio Presentation and Design Collection– Lab**	**P**	**Credits:6**	**Hours:6**

Objective 1	**To help the student to identify their skill in the fashion designing field.**
Objective 2	**To prepare their portfolio based on theme and trend which may help in their carrier.**
Objective 3	**To predict the trends of fashion forecasting which help the students to do fashionresearch.**
Objective 4	**To develop portfolios according to their own innovations.**
Objective 5	**To prepare and evaluate the production cost and specification sheet.**

A. Portfolio Presentation

1. Customer profile
2. Inspiration board
3. Mood Board
4. Specification sheet
5. Colour board
6. Flat Sketch and Technical Sketch board
7. Illustration board
8. Swatch board
9. Trim board
10. Accessory board

B. Design garments for occasion/season-with a theme

1. Wintercollection-3garments
2. SummerCollection-3garments

Guidelines:

Inspiration board

- Image collection from books and magazines by scanning, Photography and drawing, use of objects formood creation or prepare mood board by using Photoshop.

Mood board

- Develop a theme based on group discussion, mind mapping, and brain storming.Colour board
- Spottingthemeboard,moodboardandinspirationboardarrivetothecolourboard.Flats ketchb oard
- Develop front, side and back

views. Construct the garments for anyone above categories.

Outcome 1	**Prepare own portfolio which exhibits their creative skills.**	**K1**
Outcome 2	**Update the fashion knowledge about the fabric colour and trim forecasting.**	**K2**
Outcome 3	**Able to analyze the various types of fabrics and its optimized use.**	**K3**
Outcome 4	**Evaluate the current trend and develop portfolios relevant to its trend**	**K4**
Outcome 5	**Develop innovative design which create demand in the market.**	**K6**

K1- Remember	**K2- Understand**	**K3- Apply**	**K4- Analyze**	**K5- Evaluate**	**K6- Create**

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	L(1)
CO2	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	L(1)	M(2)	M(2)
CO3	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	L(1)	M(2)	M(2)	M(2)
CO4	M(2)	M(2)	M(2)	M(2)	M(2)	L(1)	S(3)	M(2)	M(2)	S(3)
CO5	M(2)	M(2)	M(2)	L(1)	M(2)	M(2)	M(2)	L(1)	S(3)	S(3)
W.AV	**2.2**	**2.2**	**2.2**	**2.0**	**2.2**	**2.0**	**2.0**	1.6	2.2	**2.2**

S–Strong (3), M-Medium (2), L-Low (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	M(2)	M(2)	M(2)	S(3)
CO2	M(2)	S(3)	M(2)	M(2)	S(3)
CO3	M(2)	M(2)	S(3)	S(3)	M(2)
CO4	M(2)	S(3)	S(3)	M(2)	M(2)
CO5	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	**2.2**	**2.4**	**2.4**	**2.4**	**2.6**

S–Strong (3), M-Medium (2), L-Low (1)

IV - Semester					
General	**Course Code 2MF4G2**	**Fashion Styling and Photography**	**T**	**Credits :6**	**Hours :6**
Unit -I					
Objective1	**The students will gain knowledge in the fashion styling process and develop the creative,intellectual and technical skills**				
Fashion Styling Introduction to Fashion styling, Fashion stylist specialties, skills required for fashion styling, history of styling, Fashion styling basics, styling for print, styling for entertainment, image management, understanding body shapes, understanding personal style, portfolio building , branding.					
Outcome1	**Able to develop skills required for fashion styling and photography.**				**K1**
Unit - II					
Objective 2	**To understand the style and image of a fashion collection, brand or product.**				
Personal styling Definition personal style and new image, identifying your look, shopping and maintaining your wardrobe, wardrobe essentials, chic – the gate away & evening looks, dress and style.					
Outcome2	**Students develop visual research techniques and its application**				**K2**
Unit - III					
Objective3	**The students will analyze the importance and usage of light to shape expressive andimpressive pictures.**				
Styling your Business Business basics for stylists & marketing your business, forms & contracts, getting work / freelance stylist,personal & celebrity clients. Developing own signature style, style boards, styling to the camera & principles of styling, working with colour, textures and patterns.					
Outcome3	**Identify, evaluate and use information from a variety of sources and formulateconcept**				**K5**
Unit IV					
Objective4	**The students able to create synergy between garments, accessories, and makeup**				
Introduction to photography Camera types – 35mm, SLR, Digital camera - Working principle of camera -Accessories. Camera techniques:Basic techniques & Equipment techniques. Subject techniques – landscape, night photography, portrait, actionphotography and special effects - Outdoor and Indoor Photography					
Outcome4	**Generate concepts of visualization and observation in Fashion Photography**				**K4**
Unit - V					
Objective5	**The course conveys in-depth knowledge to create idea of the technical aspects of a camera**.				
Fashion Photography Fashion Photography in different media – modeling, newspaper, magazines and fashion shows-Concept/theme based photography along with its application and acceptability in marketing and commercialization/branding.					
Outcome5	**Encapsulate the entire medium of Visual Image from a technical as well asfrom an art point of view**				**K2**

Online Resources https://photzy.com/5-free-ebooks-that-will-help-you-get-started-with-fashion-photography/ https://www.amazon.in/Fashion-Photography-101-Complete-Photographers-ebook/dp/B00WX4WOA0 https://www.kobo.com/in/en/ebook/fashion-and-lifestyle-photography https://www.youtube.com/watch?v=ClFSAhOD3FY					
K1- Remember	**K2- Understand**	**K3- Apply**	**K4- Analyze**	**K5- Evaluate**	**K6- Create**

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	S(3)	S(3)	S(3)
CO2	M(2)	M(2)	S(3)	S(3)	L(1)	M(2)	M(2)	M(2)	M(2)	L(1)
CO3	L(1)	M(2)	M(2)	M(2)	L(1)	M(2)	S(3)	S(3)	S(3)	S(3)
CO4	M(2)	M(2)	M(2)	L(1)	S(3)	S(3)	L(1)	M(2)	M(2)	M(2)
CO5	M(2)	M(2)	S(3)	S(3)	L(1)	M(2)	M(2)	M(2)	M(2)	S(3)
W.AV	**2.0**	**2.2**	**2.4**	**2.2**	**1.6**	**2.2**	**1.8**	**2.4**	**2.4**	**2.4**

S–Strong (3), M-Medium (2), L-Low (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	M(2)	M(2)	M(2)	M(2)
CO2	M(2)	S(3)	M(2)	M(2)	M(2)
CO3	M(2)	M(2)	S(3)	M(2)	S(3)
CO4	S(3)	M(2)	M(2)	M(2)	S(3)
CO5	M(2)	M(2)	S(3)	S(3)	S(3)
W.AV	**2.4**	**2.2**	**2.4**	**2.2**	**2.6**

S–Strong (3), M-Medium (2), L-Low (1)

IV - Semester				
Core	**Course Code 2MF4MR**	**Industrial Internship with Project Work**	**Credits:18**	**Hours:18**

OBJECTIVE

- To get employment in industry, government, or entrepreneurial endeavors todemonstrateprofessionaladvancementsthroughsignificanttheoreticalandpracticalknowledgeande xpandedleadershipresponsibilities.

The student has to attach himself / herself with an organization related to his / her specialization approved by the (Alagappa Institute of Skill Development) Department for a period of entire semester for Industrial Internship Training with Project. One personnel of that industry and a faculty of the Department will be external and internal guides of the project respectively. The project theme, work flow and other related guidelines can be had from the Industry. During this Internship period there will be two _Project Reviews' conducted by the Department and the students must present themselves in person and present the project progress in the form of presentation in front of the internal guide. At the end of the internship, the student should prepare a project documentation report (not less than 50 pages, A4 size). Student should also produce a certificate of internship from the organization. The internal guide will award for 100 marks based on the performance in two reviews and the quality of the project documentation report. The external guide (industry personnel) of the particular student will award for 50 marks. The cumulative of these two marks for 150 will be considered as internal mark. The final project viva-voce for 50 marks will be conducted by the Department withtwo examiners and the cumulative 200 marks will be given by the Department.

Outcome 1	**The students get insight knowledge in research thrust areas of textile and fashion.**	**K1**
Outcome 2	**Understand the concepts of the research and prepare the plan of work**	**K2**
Outcome 3	**Identify the natural resources which may utilize for making eco friendly products.**	**K3**
Outcome 4	**Develop the product which creates zero hazards to environment.**	**K6**
Outcome 5	**Create product which makes sustainable development in fashion.**	**K6**

K1-Remember	**K2- Understand**	**K3- Apply**	**K4- Analyze**	**K5- Evaluate**	**K6- Create**

Description	**Department**	**Industry**	**Totalmarks**
Internal marks	100	50	150
Viva-Voce	50	--	50
Total	150	50	200

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	L(1)	L(1)
CO2	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)
CO3	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	S(3)	S(3)	M(2)	M(2)
CO4	M(2)	M(2)	M(2)	M(2)	S(3)	L(1)	S(3)	S(3)	S(3)	S(3)
CO5	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)	M(2)	S(3)	S(3)	S(3)
W.AV	**2.2**	**2.2**	**2.2**	**2.2**	**2.2**	**2.0**	**2.6**	2.8	2.2	2.2

S–Strong (3), M-Medium (2), L-Low (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	M(2)	M(2)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	S(3)	M(2)
CO3	M(2)	M(2)	S(3)	M(2)	M(2)
CO4	M(2)	M(2)	L(1)	S(3)	S(3)
CO5	M(2)	M(2)	S(3)	S(3)	S(3)
W.AV	**2.2**	**2.0**	**2.4**	**2.6**	**2.6**

S–Strong (3), M-Medium (2), L-Low (1)

II - Semester					
NME	**Course Code**	**Fashion Designing**	**T**	**Credits:2**	**Hours:3**
Unit -I					
Objective 1	**To gain knowledge about the fundamentals of fashion.**				
Definition, Fashion terminologies – fad, chic, knock off, avant garde – Fashion cycle – Fashion forecasting – Factors influencing in fashion. Introduction to design – Types of design					
Outcome1	**Recall key fashion terminologies and concepts.**				**K1**
Unit - II					
Objective 2	**To educate students about the elements and principles of fashion.**				
Elements and their importance in a design – Line, size, shape, colour and texture. Balance and its type – Proportion and its application in garment design – Emphasis – Creating emphasis in a garment using various techniques – Harmony and its impact in garment design – Rhythm – Application of rhythm in garment design.					
Outcome2	**Interpret how different fabrics and textiles influence the overall appearanceand functionality of a garment.**				**K2**
Unit - III					
Objective 3	**Enable the students to understand the importance of colours and colour theory.**				
Colours – Importance. Terms - Value, Hue, Intensity. Colour Theory – Primary, Secondary and Tertiary,Complimentary - Split Complimentary, Double Complimentary, Monochromatic, Analogus and Traid Colours. Cool colours and Warm colours. CMYK colours. Moods of colour.					
Outcome3	**Evaluate the effectiveness of using color psychology to elicit specific emotions ina visual composition.**				**K5**
Unit IV					
Objective 4	**To familiarize the students about the national and international fashion designers.**				
Fashion designer – Definition, Roles and Responsibilities. Famous national and international Fashiondesigners.RohitKhosla,GitanjalKsshyap,HemantTrivedi,J.J.Valaya,RituKumar,RohitBal,Tarun Tahiliani,Sangeethe Chopra, Bhamini Subramaniam, Anju Modi, Ravi Bajaj, Ritu Beri.					
Outcome4	**Understand and analyze the design evolution of a national or internationalfashion designer over the years.**				**K1&K4**
Unit-V					
Objective 5	**To acquaint students with fashion styling and fashion centers.**				
World fashion Centers France, Italy, England, Germany, Canada, New York. Fashion shows and its types. Developing portfolio - types of board. Fashion styling - Image management, Understanding personal style, Identifying your look, Shopping and Maintaining your wardrobe.					
Outcome5	**Students able to design a fashion styling concept for them.**				**K6**

Suggested Readings:-

Andrew Reilly, 2019, *Key Concepts for the Fashion Industry,* New Delhi, BloomsburyPublishing India Pvt Ltd.

Kathryn McKelvey and Janine Munslow,2005. *Fashion Design: Process, Innovation and Practice*‖,USA, Blackwell Publishing.

Khurana Pooja, & Sethi Monika. (2007). Introduction to Fashion Technology. New Delhi: Fire WellPublication.

Meenakshi Narang, (2003). Hand Book of Fashion Technology. New Delhi: Asia Pacific BusinessPress Inc.

Olga Mitterfellner, 2019, *Fashion Marketing and Communication Theory And Practice Across TheFashion Industry* 1St Edition, UK, Taylor & Francis.

Pundir, N. (2007). Fashion Technology Today and Tomorrow. New Delhi: Mittal Publication.

Sushma Gupta, (2008). Text Book of Clothing and Textiles and Laundry. New Delhi: Kalyani Publishers.

Online Resources

https://cbseportal.com/ebook/vocational-books-fashion-design-and-garment-technology
https://bookauthority.org/books/best-selling-fashion-designers-ebooks
https://www.amazon.in/FASHION-DESIGN-BASIC-JANARTHANAN-U-ebook/dp/B089G7SWZZ
https://www.youtube.com/watch?v=54LCz3XxUEw

K1- Remember	K2- Understand	K3- Apply	K4- Analyze	K5- Evaluate	K6- Create

Course Outcome VS Programme Outcomes

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	S(3)	L(1)	M(2)	L(1)	M(2)	L(1)	L(1)
CO3	L(1)	M(2)	L(1)	M(2)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)
CO4	S(3)	S(3)	M(2)	L(1)	M(2)	M(2)	S(3)	L(1)	M(2)	L(1)
CO5	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	**2.2**	**2.4**	**2**	**2**	**1.8**	**2**	**2.2**	**2**	**2**	**1.8**

S–Strong (3), M-Medium (2), L-Low (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	M(2)	M(2)	M(2)	M(2)
CO2	M(2)	S(3)	L(1)	M(2)	L(1)
CO3	L(1)	M(2)	M(2)	S(3)	M(2)
CO4	S(3)	M(2)	S(3)	L(1)	M(2)
CO5	M(2)	M(2)	M(2)	M(2)	S(3)
W.AV	**2.2**	**2.2**	**2**	**2**	**2**

S–Strong (3), M-Medium (2), L-Low (1)

III - Semester					
NME	**Course Code**	**Apparel Merchandising**	**T**	**Credits:2**	**Hours:3**
Unit -I					
Objective 1	**To understand the process flow and structure of an apparel industry.**				
An overview of apparel industry – Organization structure of an apparel industry - different departments in apparel industry and its role - merchandising department, design department, purchase department, production department, finishing department and quality control department.					
Outcome1	**Describe the various stages involved in the apparel production process, fromdesign to distribution.**				**K2**
Unit - II					
Objective 2	**To educate students about exporters and buyers.**				
Process flow in apparel industry – Rating or Grading of export houses – Classification of Exporters - Classification of buyers - Receiving and warehousing – Distribution – Sourcing: definition, methods, and apparel sourcing clusters in India.					
Outcome2	**Recognize the factors that influence apparel buying decisions**				**K1**
Unit - III					
Objective 3	**To acquaint the students on the concepts of merchandising.**				
Merchandising: Introduction, Meaning- Apparel Merchandising – Concepts of _Six Rights' - Types ofmerchandiser - Functions of a merchandiser – Essential requisites of a good merchandiser. Export merchandising and retail merchandising – Company profile and its contents.					
Outcome3	**Analyze the performance of different apparel product categories and assesstheir contribution to overall profitability.**				**K4**
Unit IV					
Objective 4	**To understand the strategies applied in sourcing, planning and analyzing the product.**				
Buyer sourcing & communication – sampling: Meaning & importance, Types of samples. Inspection and its types – Approvals: definition, types of approvals – Assortment and its types. Order sheet and its contents – Packing list and its contents – Document formats: order sheet, packing list, invoice, inspection and testing reports etc.					
Outcome4	**Evaluate the effectiveness of a sourcing strategy and the processes.**				**K5**
Unit-V					
Objective 5	**To familiarize the student in advertising and trade.**				
Advertising: scope, importance, types, merits & demerits - Sales promotion - Personal selling - Journals and magazines related to apparel and textiles – Trade shows and Fairs - Export associations: Apparel Export Promotion Council.					
Outcome5	**Apply knowledge of target audience demographics to develop a creativeadvertising concept for a specific product.**				**K3**

Online Resources https://www.perlego.com/book/1032433/apparel-merchandising-pdf https://www.scribd.com/document/414065985/Apparel-Merchandising-2017-pdf https://www.slideshare.net/kotharivr/fashion-merchandising-ebook https://www.youtube.com/watch?v=roHe5U5ir4A					
K1- Remember	**K2- Understand**	**K3- Apply**	**K4- Analyze**	**K5- Evaluate**	**K6- Create**

Course Outcome VS Programme Outcomes

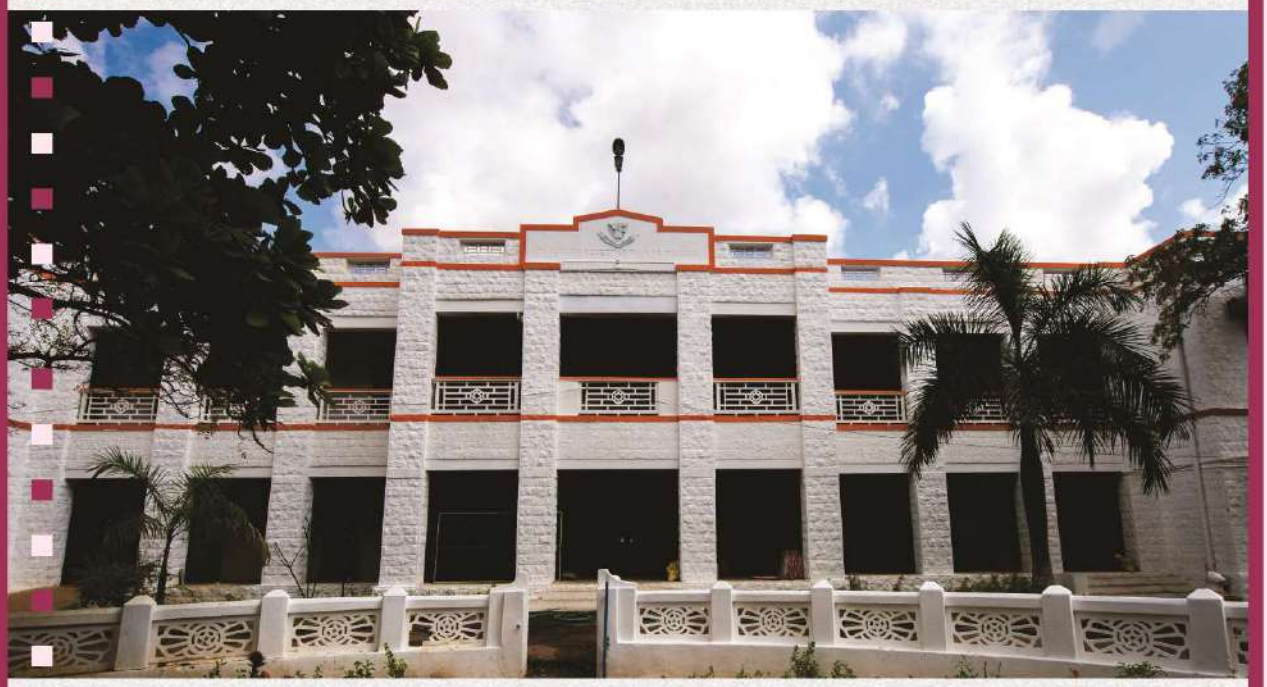
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)
CO2	S(3)	S(3)	L(1)	M(2)	M(2)	L(1)	M(2)	M(2)	M(2)	M(2)
CO3	M(2)	L(1)	M(2)	M(2)	M(2)	M(2)	S(3)	L(1)	M(2)	L(1)
CO4	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)	L(1)	S(3)	M(2)	M(2)
CO5	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)
W.AV	**2.2**	**2**	**2**	**2.2**	**2**	**2**	**2**	**2**	**1.8**	**1.8**

S–Strong (3), M-Medium (2), L-Low (1)

Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	M(2)	S(3)	M(2)	M(2)	M(2)
CO2	S(3)	M(2)	L(1)	M(2)	M(2)
CO3	L(1)	M(2)	S(3)	M(2)	L(1)
CO4	M(2)	L(1)	M(2)	S(3)	M(2)
CO5	M(2)	M(2)	S(3)	M(2)	M(2)
W.AV	**2**	**2**	**2.2**	**2.2**	**1.8**

S–Strong (3), M-Medium (2), L-Low (1)



EDUCATION CAMPUS