

(Abstract)

B.Sc. Costume and Fashion Designing Programme under Choice Based Credit and Semester System (OBE) w.e.f 2020 admission- modification of marks for Theory/Practical examinations of Core Courses in the Scheme -Implemented- Orders issued.

ACADEMIC C SECTION

Acad/C2/16585/IIHT/2021

Dated: 11.05.2022

- Read:-1. U.O Acad/C2/16585/IIHT/2021 dated 06.11.2021
 2. U.O Note No. EXC I/EXC I-I/27821/821/2021
 3. Letter No. Acad C2/2408/2020(1) Dated 18.03.2022
 4. Judgment of the Hon'ble High Court in WA No. 1530/2021 Dated 22.03.2022
 5. Corrected marks distribution in the Scheme approved by the Vice-Chancellor on 07.05.2022

ORDER

- As per paper read (1) above, the Scheme, Syllabus and Model Question papers of Core, Complementary Elective and Generic Elective Courses of B.Sc Costume and Fashion Designing Programme under CBCSS- OBE at Arts & Science College (unaided) under IIHT, Thottada, Kannur was implemented with effect from 2020 admission.
- Examination Branch, as per read (2) above, pointed out some errors in mark distribution for Theory/Practical examinations of Core Courses in the Scheme and Syllabus of B.Sc. Costume and Fashion Designing Programme, and hence requested to rectify the same.
- As per paper read (3) above, the Chairperson, BoS in Fashion Designing (Cd) was requested to effect necessary corrections in the Scheme, Syllabus of BSc Costume & Fashion Designing Programme under CBCSS- OBE w.e.f 2020.
- Meanwhile, in the light of the judgement in WA No. 1530/2021 dated 22.03.2022 as per paper read (4), all activities related to Board of Studies were ordered to be kept in abeyance.
- Considering the exigency of the matter, the Vice Chancellor ordered to modify the mark distribution for Theory/Practical examinations of Core Courses in the Scheme, Syllabus of BSc Costume & Fashion Designing Programme under CBCSS- OBE w.e.f 2020, as detailed below.

Semester - III

Sl No	Course Code	Course Name	Hours/week		Credit	Marks
			Theory	Practical		
1	3A01CFD	General Awareness Course I-Basic Artistic skills(P)	0	4	4	50
2	3A02CFD	General Awareness Course II-Business Skills Development (T)	4	0	4	50
3	3B06CFD	Traditional Textiles and History of Indian Costumes (T)	4	0	3	50
4	3B07CFD	Fashion Illustration and Stylization (P)	0	3	2	50
5	3B08CFD	Advanced Pattern Making and Grading (P)	0	3	2	50
6	3C05CFD	Textile Wet Processing (T)	2	0	2	50
		Textile Wet Processing (P)	0	2	2	50
7	3C06CFD	Basic Draping	0	3	2	50
TOTAL					21	400

Semester V

Sl		Hours/Week	
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No	Course Code	Course Name	Theory		Credit	Marks
			Practical			
1	5B10CFD	Craft Based Project (P)	0	4	3	50
2	5B11CFD	Principles of Merchandising and Marketing (T)	4	0	4	50
3	5B12CFD	Fashion Accessories (P)	0	3	2	50
4	5B13CFD	Garment Making- Women's Wear (P)	0	5	4	50
5	5B14CFD	Fashion Photography (P)	0	3	2	50
6	5B15CFD	Computer Aided Designing- CAD- (P)	0	3	2	50
7	5D01CFD	Industrial Management (T)	3	0	3	50
TOTAL					20	350

Semester VI

Sl No	Course Code	Course Name	Hours/week		Credit	Marks
			Theory	Practical		
1	6B16CFD	Fashion Forecasting	4	0	3	50
2	6B17CFD	Retail & Visual Merchandising (T)	4	0	4	50
3	6B18CFD	Personal Grooming and styling (T)	4	0	3	50
4	6B19CFD	Garment making-Men's Wear (P)	0	5	4	50
5	6PR02CFD	Portfolio Project (Pr)	0	4	5	50
TOTAL					19	250

6. The Vice Chancellor, after considering the matter in detail and in exercise of the powers of Academic Council conferred under Section 11(1) Chapter III of Kannur University Act 1996, accorded sanction to implement the modified scheme, Syllabus and Model Question paper of B.Sc. Costume and Fashion Designing programme under CBCSS- OBE w.e.f 2020 admission, as detailed in para (5) above, subject to reporting to the Academic Council .
7. The modified Scheme, Syllabus and Model question paper of Core, Complementary Elective and Generic Elective Courses of B.Sc. Costume and Fashion Designing programme under CBCSS- OBE at Arts & Science College (unaided) , under IIHT, Thottada, Kannur implemented with effect from 2020 admission, are uploaded in the University website (www.kannuruniversity.ac.in)
8. The U.O read (1) above stands modified to this extent.

Orders are issued accordingly.

Sd/-
BALACHANDRAN V K
DEPUTY REGISTRAR (ACAD)
For REGISTRAR

To: The Principal , IIHT, Thottada

- Copy To: 1. The Examination Branch (Through PA to CE)
2. PS to VC/PA to PVC/ PA to Registrar/
3. EXCI/ ARI/DR Academic, Web Manager (To upload in web site)
4. SF/DF/FC



Forwarded / By Order
SECTION OFFICER

Sd/-

(Abstract)

B.Sc. Costume & Fashion Designing Programme - Scheme, Syllabus and Model Question Papers for Core, Complementary and Generic Elective Courses under CBCSS(OBE- Outcome Based Education System), at Arts & Science College (unaided) under IIHT, Thottada w.e.f 2020 admission - Implemented- Orders issued

ACADEMIC C SECTION

Acad/C2/16585/IIHT/2021

Dated: 06.11.2021

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- Read:-1. G.O. (Ms) No. 11/2021/HEDN dated 12.01.2021
2. Acad.A2/1115/IIHT/2021 dated 11.02.2021
3. U.O Note No. Acad.A2/1115/IIHT/2021 dated 11.02.2021
4. U.O No. Acad/C2/16585/IIHT/2021 dated 31.05.2021
5. Minutes of the meeting of expert committee held on 08.06.2021
6. Minutes of the meeting of Academic council held on 30.06.2021 vide item No.XLVII
7. Letter No. Acad/C2/16585/IIHT/2021 dated 31.08.2021
8. Minutes of the meeting of BoS in Fashion Technology held on 09.09.2021
9. Order of the Vice-Chancellor dated 03.11.2021

ORDER

1. As per paper read (1) above, the Government of Kerala have granted NOC for starting a new Self financing Arts & Science College at Thottada under Indian Institute of Handloom Technology(IIHT), Kannur, during the academic year 2020-21
2. As per paper read(2) Provisional Affiliation was granted to the B.Sc. Costume and Fashion Designing programme at Arts & Science College (unaided) run by IIHT, Thottada, to start the same during the academic year 2020-21.
3. As per paper read (3), a copy of the draft syllabus of B.Sc. Costume and Fashion Designing programme submitted by the Executive Director IIHT, for further action.
4. As the Board of Studies was in reconstitution stage at that time, an Expert Committee was constituted as per paper read (4), to scrutinize the draft syllabus of the B.Sc.Costume and Fashion Designing programme submitted by the Executive Director IIHT, Thottada,Kannur.
5. As per paper read (5), the Expert Committee resolved not to consider the aforesaid Draft syllabus, as it was the replica of the Syllabus offered by University of Calicut.
6. As the classes have already been commenced, meeting of Academic Council as per paper read (6), resolved to accept the Syllabus of the First Semester as submitted by the Executive Director, IIHT and further resolved to prepare Syllabus of the remaining Semesters afresh, in tune with the Regulations for UG Programmes under CBCSS-OBE implemented w.e.f 2019.
7. As per the paper read (7), the revised Syllabus of B.Sc. Costume & Fashion Designing programme, submitted by the Executive Director ,IIHT was placed before the re-constituted BoS in Fashion Technology (Cd), for scrutiny and as per paper read (8), BoS in Fashion Technology (Cd) modified the Draft Scheme, Syllabus & Model question paper of B.Sc Costume & Fashion Designing programme, in tune with the UG Regulations implemented w.e.f 2019.
8. The Vice Chancellor after considering the matter in detail and in exercise of the powers of Academic Council conferred under Section 11(1), Chapter III of Kannur University Act 1996, accorded sanction to implement the Scheme, Syllabus & Model question papers for the Core, Complementary Elective & Generic Elective Papers of B.Sc. Costume & Fashion Designing programme CBCSS-OBE, at Arts & Science College (unaided), under IIHT,

- Thottada, Kannur w.e.f 2020 admission, subject to reporting to the Academic Council.
9. The Scheme, Syllabus & Model question papers for the Core, Complementary Elective & Generic Elective Papers of the B.Sc. Costume & Fashion Designing programme CBCSS-OBE [applicable w.e.f 2020 admission] are uploaded in the University website (www.kannuruniversity.ac.in).

Orders are issued accordingly.

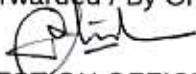
Sd/-

BALACHANDRAN V K
DEPUTY REGISTRAR (ACAD)
For REGISTRAR

To: The Principal
IIHT
Thottada
Kannur

- Copy To: 1. The Examination Branch (Through PA to CE)
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3. Web Manager (for uploading in website)
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(Abstract)

B.Sc Costume and Fashion Designing Programme under Choice Based Credit and Semester System (OBE) w.e.f 2020 admission -modification of Credit for Additional Common Language and Core Courses in the First semester Scheme and Syllabus- Implemented w.e.f 2020 -Orders issued.

ACADEMIC C SECTION

Acad/C2/16585/IIHT/2021

Dated: 14.12.2022

- Read:-1. U.O Acad/C2/16585/IIHT/2021 dated 06.11.2021
2. U.O Acad/C2/16585/IIHT/2021 dated 11.05.2022
3. U.O Note No. ESII/SOESII/5269/2020 dated 17.06.2022
4. Judgement of the Hon'ble High Court in WA No. 1530/2021 dated 22.03.2022
5. Letter No. Acad/C2/16585/IIHT/2021 dated 03.08.2022
6. E-Mail received from Manuprasad Mathew dated 23.11.2022

ORDER

1. As per paper read (1) above, the scheme , Syllabus and model question paper of Core, Complementary Elective and Generic Elective Courses of B.Sc. Costume and Fashion Designing programme under CBCSS -OBE at Arts & Science College (unaided) under IIHT, Thottada, Kannur was implemented w.e.f 2020 admission and certain modifications were effected as per paper read (2).
2. Examination Branch, as per paper read (3) above, pointed out that, the credit assigned for Additional common course in the syllabus of B.Sc. Costume and Fashion Designing programme is 3 instead of 4, as stipulated in the Regulation for UG programmes w.e.f 2019 and hence requested to rectify the same.
3. As all activities of the Board of Studies of the University are kept in abeyance in the light of judgement as per paper read (4) above, Manuprasad K Mathew, (Assistant professor, NIFT, Kannur) was entrusted as a Subject Expert, to make necessary correction in the Credit of Additional Common Course in the Scheme and Syllabus of B.Sc. Costume and Fashion Designing programme, in compliance with the Regulation for UG programme w.e.f 2019as per paper read (5) above.
4. As per paper read (6), the Subject Expert submitted the corrected Scheme and Syllabus, by changing the Credit of the Additional Language I/1A07-2MAL/1A07-2HIN) from 3 to 4 and Credit of Core Course - Textile Manufacturing (IB01CFD) from 3 to 2.
5. The Vice-Chancellor, after considering the matter in detail and in exercise of the powers of the Academic Council conferred under section 11(1) Chapter III of Kannur University Act 1996, accorded sanction to implement the modified Scheme and Syllabus of B.Sc. Costume and Fashion Designing programme under CBCSS-OBE w.e.f 2020 admission, as detailed in the para (5) above, and to reporting to the Academic Council.
6. The modified Scheme and syllabus of B.Sc. Costume and Fashion Designing programme under CBCSS (OBE) at Arts & Science College (unaided) under IIHT, Thottada, Kannur implemented w.e.f 2020 admission, are uploaded in the University website (www.Kannuruniversity.ac.in).
7. The U.O read 1 & 2 above stands modified to this extent.

Orders are issued accordingly.



Sd/-
BALACHANDRAN V K
DEPUTY REGISTRAR (ACAD)
For REGISTRAR

To: The Principal, IIHT, Thottada

- Copy To: 1. The Examination Branch (Through PA to CE)
2. PS to VC/PA to PVC/ PA to R
3. EXCI/ARI/DR Academic, Web Manager (to upload website), Computer Programmer
4. SF/DF/FC

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Costume & Fashion Designing College Under IIHT-Kannur

Syllabus for BSc Costume & Fashion Designing

CHOICE BASED CREDIT AND SEMESTER SYSTEM
(2021 Admission onwards)



Affiliated to Kannur University

CONTENTS

- 1. Regulations for Degree of BSc Costume and Fashion Designing**
- 2. Programme Structure**
- 3. Split up of marks for Practical, Project & Portfolio (Appendix A)**
- 4. Evaluation scheme and Model question paper (Appendix B)**

Regulations

For the Degree of BSc Costume & Fashion Designing with effect from Academic year 2020-21

1. Title of the Programme:

Programme shall be called Bachelor of Science in Costume and Fashion Designing under choice based credit and semester system for under graduate (UG) Curriculum 2020.

2. Objectives of the Programme:

Fashion Designing is one of the most preferred Courses in the field of design specialization for the career opportunities available. The Fashion Industry is considered highly predominant in bringing currency to the Indian economy and it is felt important to provide fashion related courses. The world is seeking for highly skilled professionals who can showcase their talent through their creativity so that they can withstand the competitive Sector. This curriculum is designed to support the emerging needs in Fashion and apparel Industry.

The Course ensures the following outcomes:

- ❖ Students will be equipped to work in fashion industry in India and abroad
- ❖ Enable students to start their own boutique / designer studio and also can design garments for other retail outlets
- ❖ One can incorporate innovative ideas and will be able to implement the same in the field of Fashion
- ❖ Can Acquire knowledge by which they can transform to an entrepreneur and can also work in the managerial level in related departments

- ❖ They can elaborate their creativity along the digital platform by using requisite software
- ❖ Students can design with technical specifications
- ❖ Express themselves effectively with different means of communication in their design proposals and implementing the latest concepts of fashion.

3. ELIGIBILITY CRITERIA FOR ADMISSION:

1. The admission for this programme will be as per the rules and regulations of the University for UG Admissions.
2. The basic eligibility for BSc Costume and Fashion Designing is 10+2 in any stream or equivalent
3. The eligibility criteria for admission shall be announced by the University from time to time.

Duration of the Programme:

The duration of the Programme shall be 6 semesters, 3 academic years. The odd semesters are 1,3& 5 which will be from June to October and even semester 2, 4 & 6 from November to March.

Structure of the Programme:

The courses of this programme shall include five types of courses, via; Common Courses (Code A), Core courses (Code B), Complementary courses (Code C), and Generic Elective Course (Code D)

Common Course- means a course that comes under the category of courses including compulsory English and additional language courses and a set of general courses applicable for Language Reduced Pattern (LRP) programmes, a selection of which is compulsory for all students undergoing undergraduate programmes.

Core Courses- Core courses are the courses in the major (core) subject of the degree programme chosen by the student. Core courses are offered by the parent department. The number of core courses varies from 10 to 18 including a project work.

Complementary Courses- complementary courses cover one or two disciplines that are related to the core subject and are distributed in the first four semesters.

General Awareness Course- Means a course that comes under the category of those programmes in which English Common Course and additional common course are limited to first and second semesters (compulsory for all students undergoing LRP/similar programmes).

Generic Elective courses- Generic elective course means a course which can be opted by a student in fifth Semester of the programme at her/his choice from other disciplines apart from her/his core subject (GEC), (traditionally referred to as open course).

Course Code :Each course shall have a unique alpha numeric code number, which includes abbreviation of the subject in three letters, the semester number (1 to 6) in which the course is offered, the code of the course(A to D) and serial number of the course (01,02...). Course code will be centrally generated by the University. Particular complementary or open course should have same code with same credit even though it is offered for different programmes. For example 2A03ENG represents a common course of serial number 03 offered in the second semester and 2B02PHY representing second semester core course 2 in physics programme.

BSc Costume and Fashion Designing- Programme Structure

Semester- I

Sl. No	Course code	Course Name	Hours/week		credit	Marks
			Theory	Practical		
1	1A01ENG	Common Course- English I	5	0	4	50
2	1A02ENG	Common Course- English II	4	0	3	50
3	1A07 - 2MAL /1A07-2HIN	Common Course- Additional Language I	4	0	4	50
4	1B01CFD	Textile Manufacture (T)	4	0	2	50
5	1B02CFD	Pattern making I – (P)	0	3	3	50
6	1C01CFD	Basics of Fashion and Design (T)	3	0	2	50
7	1C02CFD	Basic Sketching – (P)	0	2	2	50
		TOTAL			20	350

Semester- II

Sl. No	Course code	Course Name	Hours/week		credit	Marks
			Theory	Practical		
1	2A03 ENG	Common Course- English III	5	0	4	50
2	2A04 ENG	Common Course- English IV	4	0	3	50
3	2A08 - 2MAL /2A08-2HIN	Common Course- Additional Language II	5	0	4	50
4	2B03CFD	Textile Science- (T)	4	0	3	50
5	2B04CFD	Textile Testing- (P)	0	3	2	50
6	2B05CFD	Pattern making II (P)	0	3	2	50
7	2C03CFD	Sewing Machinery &Equipment (T)	2	0	2	50
8	2C04CFD	Basic Sewing Techniques – (P)	0	2	2	50
		TOTAL			22	400

Two days industrial visit to spinning, weaving, and dyeing units –compulsory submission of report

Semester- III

Sl. No.	Course code	Course Name	Hours/week		credit	Marks
			Theory	Practical		
1	3A01CFD	General Awareness course I- Basic Artistic skills (P)	0	4	4	50
2	3A02CFD	General Awareness course II- Business Skills Development (T)	4	0	4	50
3	3B06CFD	Traditional Textiles and History of Indian Costumes (T)	4	0	3	50
4	3B07CFD	Fashion Illustration and stylization(P)	0	3	2	50
5	3B08CFD	Advanced Pattern Making and Grading(P)	0	3	2	50
6	3C05CFD	Textile Wet Processing (T)	2	0	2	50
		Textile Wet Processing (P)	0	2	2	50
7	3C06CFD	Basic Draping (P)	0	3	2	50
		TOTAL			21	400

Semester- IV

Sl. No	Course code	Course Name	Hours/week		credit	Marks
			Theory	Practical		
1	4A03CFD	General Awareness Course III-Fundamentals of Entrepreneurship (T)	4	0	4	50
2	4A04CFD	General Awareness Course IV-Basic Weaving (P)	0	4	4	50
3	4B09CFD	History of World costumes (T)	4	0	3	50
4	4C07CFD	Apparel Production and Quality Control (T)	4	0	3	50
5	4C08CFD	Surface ornamentation (P)	0	3	2	50
6	4PR01CFD	Mini Project–Garment Construction(Pr)	0	3	2	50
		TOTAL			18	300

2 days visit in Boutique and Apparel industry

Semester- V

Sl. No	Course code	Course Name	Hours/week		credit	Marks
			Theory	Practical		
1	5B10CFD	Craft Based Project (P)	0	4	3	50
2	5B11CFD	Principles of Merchandising and Marketing (T)	4	0	4	50
3	5B12CFD	Fashion Accessories(P)	0	3	2	50
4	5B13CFD	Garment Making- Women's Wear (P)	0	5	4	50
5	5B14CFD	Fashion Photography (P)	0	3	2	50
6	5B15CFD	Computer Aided Designing- CAD- (P)	0	3	2	50
7	5D01CFD	Industrial Management (T)	3	0	3	50
		TOTAL			20	350

Semester- VI

Sl. No	Course code	Course Name	Hours/week		Credit	Marks
			Theory	Practical		
1	6B16CFD	Fashion Forecasting (T)	4	0	3	50
2	6B17CFD	Retail & Visual Merchandising (T)	4	0	4	50
3	6B18CFD	Personal Grooming and Styling (T)	4	0	3	50
4	6B19CFD	Garment Making-Men's Wear(P)	0	5	4	50
5	6PR02CFD	Portfolio Project(Pr)	0	4	5	50
		TOTAL			19	250
		GRAND TOTAL			120	2050

Final submission of Portfolio Project- Presentation to external evaluator. It will be considered as the final submission of collection of student

BSc COSTUME AND FASHION DESIGNING

Programme Structure

Semester I

1B01CFD-TEXTILE MANUFACTURE (T)

Core Course: 1

Course Code: 1B01CFD

Course Name: Textile Manufacture (T)

Credits: 2

Hours per week: 4

Total Hours: 72

Course Outcome

- Introduce students to different types and properties of fibre
- To acquire knowledge about fibre, yarn and fabric
- Understanding the process of yarn spinning manufacturing process of fabrics
- To be able to understand and differentiate between knitting and non-woven fabrics

Module	Content
I	Introduction to Textile Fibers: Definition and classification of fibres, primary and secondary properties of textiles fibres.
II	Manufacturing Process and Properties of Different Fibers- Natural and Manmade fibres -Cotton, Jute, Silk, Wool, Rayon, Nylon,Polyester.ManmadeFibersspinningmethods:DrySpinning,MeltSpinning and Wet Spinning.
III	Manufacturing Process of yarn: blow room- carding, combing, drawing, doubling, rowing, Spinning -definition & types of spinning -ring spinning ,rotor spinning, airjet spinning, sewing threads and its properties
IV	Yarn Numbering System-Direct and Indirect system. Texturisation: Need and importance of Tartarisation, Definition, properties, uses and types
V	Fabric Construction Techniques-weaving, knitting ,non woven's - definition, difference between woven& knitted fabric, - warp and weft knitting, types of knits, types of non-woven with process.

Reference Books

- Textile fiber to fabric, Barnard P.Corbman, MacGraw–Hill International.
- Textiles Sara.J. Kadoiph and Anna L Langford, Prentice Hall

1B02CFD-PATTERN MAKING I (P)

Core Course: 2

Course Code: 1B02CFD

Course Name: Pattern Making I (P)

Credits: 3

Hours per week: 3

Total Hours: 54

Course Outcome

- To provide basic skills of pattern drafting
- Understanding designs and pattern making principles

Module	Content
I	Basic principles of flat pattern making – introduction to pattern making tools, measuring tools, sewing tools, dress form. How to take body measurements-Standard measurement charts of children, woman's and men's wear (based on UK and US chart-conversion chart)
II	Basic bodice block (slopers) - drafting basic bodice blocks- different component of garment, for women and children-dartand Dart less tops
III	Drafting basic skirt and sleeve block for women and children
IV	Draft basic Trouser block

Develop full size pattern and submit record for external evaluation.

Reference Books:

- Pattern making for Fashion Design., Armstrong & Joseph. H., Harper & Row Publications.
- Designing Apparel through the Flat Pattern. E. Rolfo Kopp &Zelin. Fairchild Publications.
- Metric pattern cutting for men's wear, Winifred Aldrich., Wiley Blackwell

1C01CFD–BASICS OF FASHION AND DESIGN (T)

Complementary Course: 1

Course Code: 1C01CFD

Course Name: Basics of Fashion and Design (T)

Credits: 2

Hours per week: 3

Total Hours: 54

Course Outcome

- Understanding the concepts related to the different fashion processes
- Applying different art medias
- To understand elements and principles of design

Module	Content
I	Introduction to Elements of Design - space, line, shape, form, colour and texture, Importance indesigning : Principles of design- proportion, balance-formal, informal and radial, unity, emphasis,-practical approach to different designs
II	Types and function soflines- different types of lines and & its characteristics.-Use of line in clothing according to body shapes.-Optical illusions created by various combination of lines. Types of silhouettes
III	Colour theory- psychology of colours, Prang colour system &Munsell Colour Dimensions- Hue, Value and Chroma Colour harmony/ scheme, Shades and tints, Seasonal colours.
IV	Fashion Terms-Fashion, Apparel, style, trend, bespoke, runway, CAD, CAM,CIM, consumer, custom made, designer, fashion retailing, grading, market, silhouette and texture.Hautecouture,Prêt-à-Porter,Ensemble,Off-the-rack,fad,classic,Hemline,Label,accessories, advertising, altamoda, balance, boutique, classic, collection, tailor made, Fashion Week, Fashion forecast.
V	Fashion theory – Fashion Cycle, Adoption Theories of fashion- trickle up, trickle down, trickle across, Century changes in 20 th century fashion: Haute couture by Charles Frederick Worth Introduction to Historic fashion- Punk style, hippie style, Victorian fashion, flappers, hip hop fashion- gothic fashion

Reference Books:

- Elements of design and apparel design, Sumathy. GNewAgeInternationalPvt.Ltd,2002.
- Art& Fashion in Clothing Selection, M.C.Gimsely &Harriot T ,Nova State Uty Press, Newyork
- Elements of fashion& apparel design
- Fashion from Concept to Consumer. Gini Stephens Frings, Prentice Hall.

1C02CFD–BASIC SKETCHING (P)

Complementary Course: 2

Course Code: 1C02CFD

Course Name: Basic Sketching (P)

Credits: 2

Hours per week: 2

Total Hours: 36

Course Outcome

- To learn about the basics of drawing and illustration
- Understand the usage of various art medium and colour theories

Module	Content
I	Introduction to pencil sketching - types of pencil - graphite, charcoal, hard and black - drawing different shapes, forms, two & three dimensional - Object drawing and perspective view drawings, Different techniques used in drawing - Enlarging and reducing motifs - shading and hatching - Still life drawings Introduction: poster paints, water colours, colour pencils, texture creation
II	Elements of Design : Lines and Usage of lines - types - Straight - vertical - horizontal - diagonal - Zigzag, Dotted, Colour - colour wheel and colour dimensions, tints - tones and shades - colour harmony - relative and contrast Shape - geometric and natural Free hand drawing techniques & related exercises. Free hand practice of brush & pencil.

III	Introduction to illustration: Stick figure drawing-Basic 8 head and 10 head Croqui with different poses- body movements, flesh figure of 8 head
IV	Body and face features: Face block– Front, Sideand3/4view-Fashion face-eyes, ears, nose, mouth &head. Poses of hands and legs.
V	Drawing of different : Necklines- square, round, scalloped, sweet heart, scoop,- boat, asymmetrical Collars- Peter pan-, mandarin-, shirt - roll collar, sailor collar, shawl collar Sleeves- plain, puff, leg o mutton, bishop, cap, bell, circular, kimono , raglan skirts- basic skirt- a line- layered- circular-godet- pants - coats, Fashion accessory drawings :- bags-shoes-goggles-belts (2 each)

Reference Books:

- Garthe. M– Fashion and Color -Rockport publishers-Massachusetts
- Figure Drawing For Fashion Design – Elisabetta Drudi, Thepepin.
Julian Seaman, Foundation in fashion design and illustration
- EssentialFashionIllustrationColour+Medium, RockportPublishers, Gloucester, MA
- Illustrating Fashion–Kathry McKinley, Black well Science

SEMESTER II

2B03CFD–TEXTILE SCIENCE (T)

Core Course: 3

Course Code: 2B03CFD

Course Name: Textile Science (T)

Credits: 3

Hours per week: 4

Total Hours: 72

Course Outcome

- To create awareness regarding the fabric construction techniques
- To acquire knowledge about various types of looms.
- Understanding the process of weaving and knitting

Module	Content
I	Types of loom, introduction to power loom, hand loom, pit loom, primitive looms, shuttle and shuttle less loom, Dobby and Jacquard loom
II	Weaving process- principles and preparatory process of weaving, different types of winding, warping and sizing
III	Weave- and its basic types, different types of fancy weaves- pile weave, leno, honey comb, double cloth, Knitting and its types- warp and weft knitting, difference between warp knitting and weft knitting, difference between woven fabric and knitted fabric
IV	Non- wovens - definition and different uses of non-woven material, Types of non-woven – Composite, melt blown, spun bond, and dry laid technology, thermal bonded, needle punch, chemical bonded and Nano technology.

Reference Books:

1. Watsons Textile Design and Colour, ZGrosicki, Wood head publishing Ltd.
2. Textiles Sara.J. Kadoiph and Anna L Langford, Prentice Hall.
3. Textiles Andrea Wynne, Macmillan London.

2B04CFD–TEXTILE TESTING- (P)

Core course: 4

Course Code: 2B04CFD

Course Name: Textile Testing- (P)

Credits: 2

Hours per week: 3

Total hours: 54

Course Outcome

1. To create awareness regarding the fabric testing techniques
2. To acquire knowledge about various types of testing instruments.
3. Understanding the process of analyzing fabric (woven and knitted).

Module	Content
I	Identification of Woven And Knitted Structures Yarn Count Testing Yarn tensile strength Testing Yarn twist testing Fabric tensile strength testing Fabric tear strength testing Crimp Testing Stiffness Testing Crease Testing Preparation and Submission of record for external examination Abrasion Testing Drape Testing Colour fastness tests: Crocking test- dry & wet Perspiration fastness Fastness to light Washing fastness as per ISO Standards ICI Pilling test Testing and evaluation with appropriate result and conclusion.

Preparation and Submission of record for external examination

Reference: J.EBOOTH, Principles of Textile Testing, CBS Publishers and Distributors, New Delhi

2B05CFD- PATTERN MAKING II (P)

Core course:5

Course Code:2B05CFD

Course Name: Pattern Making II (P)

Credit:2

Hours per Week:3

Total Hours:54

Course Outcome

- To understand different tools and methods of pattern making
- To understand the different pattern making terms
- Create Designs through the flat pattern method.
- To help students in drafting on their own

Module	Content
I	Methods of pattern making- drafting, draping and flat pattern method Dart manipulation -slash and spread method and pivot method–shifting of darts, combining Darts converted to style lines –princess lines from armhole and shoulder
II	basic sleeve and sleeve variations-set in sleeves-cap sleeve, puff sleeves, circular sleeve, petal sleeve, leg-o-mutton sleeve, bishop sleeve, Sleeve with bodies - Kimono sleeve, raglan sleeve.
III	Skirt variations:- Types of skirts- A-line skirt, circular skirt- semi-circular skirt, skirt with yoke, gore skirt, gathered and pleated skirt, culotte, wrap around skirt
IV	Collar –Types of collars- pointed collar with collar stand, peter pan collar, sailor collar, Chinese collar, shawl collar, turtle neck collar/roll collar

Reference Books:

- Designing apparel through the flat pattern: E. RolfoKopp, & Zelin, Fairchild publications.
- How to draft basic patterns: E.Rolfo Kopp, & Zelin, Fairchild publications.
- Pattern making for fashion design: Armstrong, Helen Joseph, Harper &Row Publications

2CO3CFD–SEWINGMACHINERYANDEQUIPMENT (T)

Complementary course: 3

CourseCode:2CO3CFD

Course Name: Sewing Machinery and equipment (T)

Credits:2

Hours per week -2

Total hours: 36

Course Outcome

- To understand the Apparel industries- garment units
- To acquire knowledge about various departments of an apparel unit
- Understanding the machinery and equipment used in apparel industries
- To understand the different stitch classes

Module	Content
I	An introduction to apparel industry, types of garment units, different markets- domestic and export market, different departments of garment industry and its functions. Organisational chart of a garment industry.
II	Introduction to Marker and cutting machinery- Types of marker, plotter and digitiser, different types of spreading machines, cutting machines- round knife, straight knife, band knife, notches, drills, die cutting. Computerised cutting machines and its types. Importance of Bundling and ticketing.
III	Sewing machine fundamentals- introduction to SNLS- Single needle lock stitch machines types of bed – flat, cylinder, feed off the arm, post, raised, and lubricating systems Stitch formation-various stitch forming parts, thread control devices, and lower stitch forming devices. Types of feeding systems- the presser foot, the throat plate and the feed mechanisms- feed dog, types of feed mechanisms in sewing machine

IV	<p>Introduction to special sewing machines- over lock, button hole, button fixing, flat lock, bar tack, blind sewing, and chain stitch machine.</p> <p>Sewing machine needles-parts of machine needle, special needles, round point needle, cutting or leather point needle, needle size. Functions of different types of needles.</p> <p>Pressing: Importance of pressing in apparel industry, elements of pressing, industrial pressing equipment and its features.</p>
V	<p>Stitch classes- (100- 600): Seam classes-flat, super imposed, bound, lapped. Function and uses of different stitch classes.</p>

Reference Books:

1. Apparel manufacturing-Sewn product Analysis, Ruth E .Glock, Grace. IKunz
2. Introduction to Clothing Manufacture- Gerry Cooklin, Om books service, New Delhi

2C04CFD–BASIC SEWING TECHNIQUES-(P)

Complementary course: 4

CourseCode:2C04CFD

Course Name: Basic Sewing Techniques(P)

Credits:2

Hoursperweek:2

Total hours: 36

Course Outcome

- To create awareness regarding the sewing machine and its parts.
- Understanding the basics techniques of making seams and seam finishes.
- Understanding the various components of garments.

Module	Content
I	Introduction to sewing machine- SNLS- and its parts. Types of seams- plain seam, flat fell seam, welt seam, French seam, top stitch seam, felt seam, pinked seam, lapped and slot seam. Types of seam finishes- double stitch finish, pinked finish, herring bone finish, edge stitched finish
II	Fullness and types of fullness- Darts- standard and double pointed dart/fish dart, Tucks- pin tuck, cross tuck, scalloped tuck, grouped tuck. Pleats- knife pleat, box pleat, inverted box pleat and pinch pleat, ruffles, gathers and godets.
III	Plackets- zipper placket, shirt placket, continuous bound placket, bound and faced placket/two piece placket, Kurta placket, and invisible shirt placket
IV	Pockets- patch pocket, pocket with flap, bound pocket, welt pocket, inseam pocket
V	Designing for infants -panties, jabla, bib, napkin, baby bed, bolsters, baby wrap

Submission of Record for external evaluation- make one baby set

Reference Books:

- Hand book of fashion designing, Ritu Jindal,S. Malhan, Mittal publications, NewDelhi
- Zarapkar system of cutting, Navneet publications, India Ltd, Gujarat.

SEMESTER III

3A01CFD Basic Artistic skills (P)

General Awareness Course: 1

Course Code: 3A01CFD

Course Name: Basic Artistic skills (P)

Credits: 4

Hours per week: 4

Total hours: 72

Course Outcome

- To enable the students to learn different artistic skills
- To apply artistic skills to make value added products

Module	Content
I	Different types of painting: Glass painting, fabric painting, Mural Painting, pot painting Different mediums used for painting
II	Different types of Makeup's: Basic make-ups, Make up for dark skin, make up for parties ,natural make up, make up for Fashion Shows
III	Different types of hairstyles: Basic hairstyles for cropped hair, hair styles for long hair, curly hair and straighten hair, hair styles for a fashion shows. Various types of braids.

Reference Books:

- The Artist's Handbook, Angela Gair, 1999
- Bobby Brown Makeup Manual: From Beginner to Pro, Bobby Brown, Headline Home, 2008
- The Complete Book of Hairstyling Hardcover, Charles Worthington, Carlton books Ltd, 2011

3A02CFD Business Skills Development (T)

General Awareness Course: 2

Course Code: 3A02CFD

Course Name: Business Skills Development (T)

Credits: 4

Hours per week: 4

Total hours: 72

Course Outcome

- To update and expand basic Informatics skills of the students.
- To equip the students to effectively utilize the digital knowledge resources for their study

Module	Content
I	Professional skills in business- soft skills needed in business, communication skills- verbal, written, presentations, documentations.
II	Digital skills- online business platform, different sources of data collection In E-learning, different E-earning techniques. Cyber laws.
III	Market Research: definition, types of market research- primary and secondary market research (public sources, commercial sources and internal sources). Market research methods- surveys, interviews, focus groups, observation based research, product/service use research, buyer persona research, market segmentation, pricing, competitive analysis, customer satisfaction and loyalty, brand awareness and campaign research. Steps involved in market research
V	Digital Marketing: definition, internet marketing, various websites for digital marketing, importance of digital marketing. Challenges of digital marketing. Role and types of digital marketing, website marketing, pay-per-click advertising, content marketing, Email marketing, social media marketing, affiliate marketing, video marketing and SMS Messaging.

Reference Books:

- Damian Ryan, Understanding Digital marketing: Marketing strategies for Engaging the Digital generation, 3rdEdition, 2014
- Data Mining: Concepts and Techniques, Morgan Kaufmann Publication, 3rdEdition ,2011
- Godfrey Parkin, Digital Marketing: Strategies for online success, New Holland publishers Ltd, 2009

3B06CFD Traditional Textiles and History of Indian Costumes (T)

Core Course : 5

Course Code: 3B06CFD

Course Name: Traditional textiles and history of Indian Costumes(T)

Credits : 3

Hours per week: 4

Total hours: 72

Course Outcome

- To study the different traditional textiles of India
- To study costumes through the ages in relation to art, fabric, footwear, head dress & other accessories during different periods.

Module	Content
I	Origin of costumes in India- History of Indian textiles, from ancient to modern period- History of Indian Costumes: Ancient Indus valley and Harappa civilizations, vedic period, Mouryan Period to Gupta Empire, Mughal Period
II	Traditional textiles of India- Khadi, Kalamkari of Andhra Pradesh, Banarasi silk of Varanasi, Uttar Pradesh, Chikankari embroider of Lucknow, Uttar Pradesh, Sambalpuri fabric from Sambalpur, Orissa, Ikar Fabric from Pochampalli, Hyderabad, Chanderi form Madhya Pradesh, Paithani brocade- Aurangabad, Maharashtra, Patola Fabric from Patan Gujarat, Pashmina from Kashmir.
III	Phulkari of Punjab, Bandhani- Gujarat and Rajasthan, Kanjivaram from Tamil Nadu, Mysore silk from Mysuru Karnataka, KinnauriShaws- Kullu, Himanchal, Jamdani of West Bengal, Muga Silk from Assam, Kasavu from Kerala, Madras checks form Chennai, Bhagalpuri Silk from Bihar, Lepcha from Sikkim, Kota Doria from Rajasthan, Ajrakh form Gujarat and Rajasthan, Kantha of West Bengal, Bagru Print from Rajasthan, Ilkal Saree from Karnataka, Sangneri print from Rajasthan,

Reference Books:

- Fashion Styles of Ancient India, RO Mohapatra, B.R.Publishing Corporation.
- Indian Costume, GS Ghurye, Popular Prakashan
- Textiles, costumes And Ornaments of The Western Himalaya. O.C Handa, Vedamse

books, NewDelhi.

- Indian Tie-Dyed Fabrics, Volume IV of Historic Textiles Of India,. Merchant: Celunion Shop Traditional Indian Textiles. John Gillow/Nocholas Barnard, Thames & Hudson.
- Indian Costume, Coiffure And ornament, Sachidhan and Sahay, Coronet Books.
- Costumes and ornaments of Chamba, KP Sharma/S MSethi, Indus Publishing Co.

3B07CFD Fashion Illustration and stylization (P)

Core Course: 7

Course Code: 3B07CFD

Course Name: Fashion Illustration and stylization (P)

Credits: 2

Hours per week: 3

Total hours: 54

Course Outcome

- To design and draw full figure Croqui with detailed specification with swatches, trims and other fabric details.
- To enable the students to prepare complete collection of apparel.

Module	Content
I	Introduction to Fashion illustration : Identification of different styles of figures collected from magazines - Women's wear designs(Formal, Casual & Ethnic)
II	Introduction to fashion silhouettes (3no.) Drawing Hairstyles (Indian-2no. &western-3no.)
III	Colour rendering for the following fabrics: Denim, Satin, Velvet, Chiffon and Lace. Introducing colour rendering for the following: Solids, Prints, Checks, Stripe sand Floral
IV	Drawing stylised male figure-Men's casual/formal wear designs
V	Development of kid's figure, -school uniform designs

The Record should be submitted at the time of External Evaluation.

Reference Books:

- Khryn Mc Kelvey, (2006), Fashion Source Book, United States, Wiley-Blackwel Publishers.
- Patrick John Ireland, (2003), Encyclopedia of fashion details, London, Batsford Publishers
- Bina Ablng, (2008), Fashion Sketchbook, 4thedition, New York, Fairchild Publications Inc.
- ColinBarnes,(1988),TheCompleteGuidetoFashionIllustration,US,NorthlightBooks.

3B08CFDADVANCEDPATTERNMAKING AND GRADING– (P)

Core course:8

Course Code: 3B08CFD

Course Name: Advanced Pattern Making and Grading (P)

Credits: 2

Hours per week: 3

Total Hours: 54

Course Outcome

- To assist in acquiring advanced process in pattern making.
- To guide the students to create marker patterns for a given garment.
- To expertise student at grading the pattern to different sizes using nested grading.
- To introduce industrial methods of pattern grading.

Module	Content
I	Contouring patterns- making patterns for empire style with shirred midriff, Halter neck and off-shoulder design
II	Basic Torso Foundation, Dress categories- Jacket& coat foundation
III	Grading – principles of grading and different working methods of Grading
IV	Garment Fitting and alterations- Definition and principles, causes of poor fit, pattern alterations, alteration of pattern for different figures

The Record should be submitted at the time of External Evaluation

Reference Books:

- GradingfortheFashionIndustry– Patrick.J.Taylor&MartinShobhen,NesonThomasPatternGradingforwomen‘sclothes– Gerrycooklin, Black well science
- Patternmakingforfashiondesign:Armstrong,HelenJoseph,Harper&RowPublications
- Pattern Grading for men‘ s clothes –Gerry Cooklin, Blackwell science

3C05CFD Textile Wet Processing (T & P)

Complementary Course : 5

Course Code: 3C05CFD

Course Name: Textile Wet Processing (T & P)

Credits : 4

Hours per week: 4

Total hours: 72

Course Outcome

- To get exposure to the different wet processing methods in textiles
- Understand the dyeing and printing methods used in textile industry
- To obtain practical knowledge needed for wet processing
- Enable students to dye and print practically
- Clear understanding about various preparatory process

Module	Content
I	Various Preparatory process used in Textile wet processing for cotton, polyester and cotton blend Desizing, Singeing, Scouring, mercerization-definition, types and methods Bleaching-types of bleaching agents, Hydrogen peroxide, Sodium hypochlorite and calcium hypochlorite.
II	Dyeing : Introduction to Different type of dyes and method of dyeing used for cellulosic, protein and synthetic fibres Dyeing Machines: hank dyeing beam dyeing, jigger dyeing, winch dyeing, and padding mangle. Natural dyes- mordanting and natural dyeing methods, types of mordants used in natural dyeing.
III	Printing: methods of printing- block printing, roller printing, screen printing, rotary screen printing, discharge printing, transfer printing, stencil printing, batik printing & tie and dye

IV	<p>Fabric and Garment Finishing: Basic and functional finishes-Basic finishes-brushing, shearing, singeing, sanforisation, carbonizing, crabbing.</p> <p>Functional finishes- Anti- microbial finish, UV protection, self-cleaning, wrinkle recovery, Water repellent finish, Water proofing, Flame retardant, Anti shrinkage, Glazing, Embossing, and Moireing. Durable- press finish, wash and wear.</p>
V	<p>Practical: Identification of textile fibres, scouring, mercerisation, bleaching of cotton. Dyeing of cotton with direct dye, hot and cold brand reactive dyes, sulphur dyes, vat dyes, printing on cotton using block, stencil, screen, resist method, tie and dye, batik</p>

Submission of record for external evaluation

Reference Books:

- V.A, Shenai, Technology of Textile Processing, Volume 8, KSS RghavanSevak Pub, 1980.
- V.A, Shenai, Chemistry of Dyes and principles of dyeing, Mumbai Sevak Pub, 2006.
- Trivedi, S.S, , Economy energy and environment in Textile vet processing -part 1

3C06CFD BASIC DRAPING – (P)

Complementary course: 6

Course Code: 3C06CFD

Course Name: Basic Draping (P)

Credits: 2

Hours per week: 3

Total Hours: 54

Course Outcome

- To understand the basics of draping and its techniques
- Enables proper utilization of dress forms, handling different types of fabrics
- To design dress using draping techniques

Module	Content
I	Basics of draping, tools used for draping, dress form and fabric preparation for dress form
II	Basic bodice- front and back with waist dart, marking, trueing and test fitting,
III	Draping of basic sleeve, skirt with yoke
IV	Design and construct a full size garment using draping technique

The Record should be submitted at the time of External Evaluation

References:

- Draping for fashion design: NurieRelis/HildeJaffe, Reston publishing co.

SEMESTER IV

4A03CFD FUNDAMENTALS OF ENTREPRENEURSHIP (T)

General Awareness Course: 3

Course Code: 4A03CFD

Course Name: Fundamentals of
Entrepreneurship (T)

Credits: 4

Hours per week: 4

Total Hours: 72

Course Outcome

- To introduce the concept of entrepreneurship.
- To help students to develop and explore their entrepreneurial aptitude
- To help them to apply innovative business ideas in the emerging industrial scenario

Module	Content
I	Entrepreneur-Definitions , Characteristics and types- Entrepreneurial functions –role of entrepreneurs in the economic Development - Factors affecting entrepreneurial growth. Entrepreneurship-definition, Entrepreneurship development programme and its phases.
II	Entrepreneurship V/s Management, Role of creativity and innovation and business research
III	Source of business idea, process of setting up a business, preparation of project report
IV	Business processes, location, operation planning and control
V	Financing agencies, concept of advertising and publicity, issues of small scale marketing, sales and distribution management.

Reference Books:

- Shukla M.B .Entrepreneurship and small Business Management, KitabMahal Allahabad.
- Nandan H. Fundamentals of Entrepreneurship, PHI, New Delhi.
- Small-ScaleIndustriesandEntrepreneurship,HimalayaPublishing,Delhi
- C.N. Sontakki, Project Management, Kalyani Publishers, Ludhiana.
- SangamKeshariMohanty.FundamentalsofEntrepreneurship,PHI,NewDelhi
- Peter F. Drucker- Innovation and Entrepreneurship.

4A04CFD BASIC WEAVING (P)

General Awareness Course: 4

Course Code: 4A04CFD

Course Name: Basic Weaving (P)

Credits: 4

Hours per week: 4

Total Hours: 72

Course Outcome

- To introduce the basic weaving techniques
- To learn to apply different weaving techniques according to the designs

Module	Content
I	Preparatory process : Different forms of Yarn packages – purpose and use Yarn preparatory process –Warp winding ,Weft winding, Warping and sizing Introduction to numbering of yarns
II	Drafting and Denting practice: Straight draft, pointed draft and skipped draft.
III	Weaving Practice : Tie up and weaving practice Finding drafting order in the given loom and construct possible weaves such as – plain, twill, honey comb, huck a back, herring bone, diamond, mock leno Motion of handloom, different types of shed formation
IV	Fabric development –Table loom
V	Fabric analysis- identification of warp, weft, ends per inch,pick per inch, extracting weave with drafting, denting, peg plan and tie up

Reference Books:

- A Ormerod, 'Modern Preparation and weaving machinery', Wood head Publising Ltd, 2004, England.
- Sabit Adanur, 'Handbook of Weaving', CRC Press, 2009, Florida
- R Marks and A.T.C Robinson, Principles of 'Weaving', The textile Institute, 1976, Manchester
- Thomas W Fox, 'The Mechanism of Weaving', Universal Publishing Corporation, Bombay, 2007

4B09CFD–HISTORY OF WORLDCOSTUMES (T)

Core Course: 10

Course Code: 4B09CFD

Course Name: History of World Costumes (T)

Credits: 3

Hours per week: 4

Total Hours: 72

Course Outcome

- To provide comprehensive understanding of the evolution of clothing.
- To understand the significance of learning about costumes of Ancient civilization.
- To learn about costumes of medieval and Renaissance period

Module	Content
I	Ancient Chinese, Ancient Mesopotamia, Ancient Egyptians
II	Ancient Greeks and Romans
III	Renaissance period, Seventeenth century, Eighteenth century, Nineteenth century till 80's
IV	20 th century will present scenario in India and in World-overview Global influences of Indian Fashion and World Fashion-overview

References:

- Western World Costume-Anoutlinehistory-Carolyn G.Bradley, Dover Publications
- Historic Costume-From Ancient Times to Renaissance-DoverPublications
- Costume worldwide, MelissaLeventon,ThamesandHudson.

4C07CFD APPAREL PRODUCTION AND QUALITY CONTROL (T)

Complementary course: 7

Course Code: 4C07CFD

CourseName: Apparel production and Quality control(T)

Credits: 3

Hours per week: 4

Total Hours: 72

Course Outcome

- To bring awareness about production systems used In Apparel industry.
- To train the quality management & etiquette followed in Apparel industry
- To know about the stain removal techniques and finishing processes.
- To get knowledge about the wash care and storing of garments

Module	Content
I	Production planning, different production systems used in Apparel Industry: types, advantages and disadvantages. Preplanning, Production Control and production management.
II	Improvement of productivity- work study, time study and method study, Inventory control: definition and models of inventory control
III	Quality- definition- testing and different standards, terminologies – Quality of trims used in garment industry- sewing threads, zippers, fusible interlinings, buttons and fasteners. Fabric inspection using 4-point system/ 10 point system.
IV	Inspection- definition- types of inspection- inspection during spreading, patternmaking, cutting, sewing and finishing.
V	AQL, ISO Standards, TQM, quality control, quality improvement. 5S in apparel industry, 6 Sigma, Kaizen, Lean manufacturing
VI	Clothing care: Principles of laundry, soaps and detergents, Washing finishes, dry cleaning, stain removal methods, storage methods for different types of fabric, different care labelling system.

Reference Books:

- Fabric Care, Noemia D'souza, New Delhi
- Textiles and Laundry, Poonamsinha and Bhavnachopra, New Delhi.
- Apparel manufacturing- Sewn product Analysis, Ruth E. Glock, Grace. I. Kunz.
- Quality assessment of textiles, Karl Ma.
- Introduction to Clothing Production Management Chuter A J Blackwell Science 1998

4C08CFD SURFACE ORNAMENTATION-(P)

Complementary course:8

Course Code: 4C08CFD

Course Name: Surface ornamentation(P)

Credits: 2

Hours per week: 3

Total Hours: 54

Course Outcome

- To bring awareness about basic surface ornamentation techniques.
- To help them to encounter with various traditional embroidery techniques of India.

Module	Content
I	Basic embroidery- tools and techniques, selection of suitable thread and needles for embroidery. Basic hand embroidery- running stitch, back stitch, stem stitch, chain stitch, button hole stitch
II	Stitch variations of basic stitches.
III	Traditional Embroidery- its origin & application: Phulkari, Kantha, Kasuti, Mirror work, Zardosi, Kutch, Chikankari
IV	Applique, Quilting,Smoking, Beadwork, Sequin work. –Preparation of a product using any or combination of these techniques.

Submission of record to the external examiner during final evaluation

Reference Books:

- Surface design for fabric, Richard M Proctor/Jennifer Flew, University of Washington Press.
- The Timeless Embroidery, Helen M, David &Charles.
- Readers Digest, Complete guide to Sewing, 1993, Pleasantville-NuGailL,SearchPress Ltd.
- Barbara. S, Creative Art of Embroidery, London, Numbly Pub. GroupLtd.

4PR01CFD MINI PROJECT– GARMENT CONSTRUCTION (Pr)

Mini project 1

Course Code: 4PR01CFD

Course Name: Mini project Garment construction (Pr)

Credits: 2

Hours per week: 3

Total Hours: 54

Course Outcome

- To instruct the students about basic fundamentals of kid's Wear.
- Enable students to create proper layout of paper draft and enable them to understand proper usage of fabric with minimum wastage.

Module	Content
I	Skirts with pleats, circular skirt, layered skirt, gored skirt, cowl skirt, culotte/divided skirt, wrap around skirt
II	Sleeves- plain sleeve, puff sleeve, raglan sleeve, let o mutton sleeve, petal sleeve, circular sleeve, bell sleeve, kimono sleeve
III	Collars- Pointed collar with collar stand, peter pan collar, Chinese collar, sailor collar, shawl collar, turtle neck collar
IV	Yoke- shoulder yoke, partial yoke, hip yoke, midriff yoke

MINI PROJECT: design 2 frocks with different features

All set garments are to be stitched in full size(3-5yrs)

The Record should be submitted at the time of External Evaluation.

Reference Books:

1. Garment Technology for Fashion Designers. Gerry Cooklin, Book Link, USA.
2. Sewing for Fashion Design. , Nurie. Relis /Gail Strauss-Reston Publishing Co

SEMESTER V

5B10CFD CRAFT BASED PROJECT-P

Core course: 10

Course code: 5B10CFD

Course name: Craft based project-P

Credit: 3

Hours per week: 4

Total hours: 72

Course outcomes:

- To get exposure to different craft
- To create samples from their learnings.

Module	Content
I	Understanding crafts- Craft practices in Medieval and Modern India Handlooms and Handicrafts cluster, non-Government Organisations (NGO's) Self Help Groups (SHG)
II	Craft cluster visit- Observing and understanding craft and craftsmen in their local settings (Field visit). Carrying out observations, interviews and visual documentation (photography or video)
III	Report making- Compilation of collected data into a documentation (Printed or audiovisual)

Reference Books:

- The complete book of arts and crafts, Cusick, Sterling publishers, 2017
- Tapestry weaving, Kirsten Glasbrook, Published by Search press, 2002

5B11CFD PRINCIPLES OF MERCHANDISING AND MARKETING (T)

Core course: 11

Course Code: 5B11CFD

Course Name: Principles of Merchandising and Marketing (T)

Credits: 4

Hours per week: 4

Total Hours: 72

Course Outcome

- To create awareness regarding essential marketing skills
- Importance of customer relation
- To know about the fashion market
- Understanding the concept of merchandising
- To acquire knowledge of costing in garment industry.
- To familiarize cost estimation of different processes followed in garment industry

Module	Content
I	Introduction to marketing, marketing management, 4 Ps of marketing, marketing mix, product mix, consumer buying behaviour, Customer relationship, marketing principles, market segmentation and target marketing.
II	Product development, Fashion promotion through various medias, promotional advertising and publicity methods
III	Marketing channels and communication- sales promotion and channels of distribution
IV	Merchandising- and its role in apparel industry, merchandising terminologies, samples approvals, duties of merchandiser.
V	Merchandising planning tools and techniques, planning the line, time and action plan, garment costing

References:

- Fashion marketing, MikeEasey, Blackwellscience
- Fashion marketing and merchandising, Manmeet Soudiya
- Kincade. D.H,Gibson.F.Y (2010)-MerchandisingofFashionProducts- DorlingKindersleyIndiaPvtLtd-South Asia.
- Jeremy Rosenau, Apparel Merchandising
- B.M. Lal Nigam, Cost Accounting Principles and Practice

5B12CFDFASHION ACCESSORIES – (P)

Core Course: 12

Course Code: 5B12CFD

Course Name: Fashion Accessories (P)

Credits: 2

Hours per week: 3

Total Hours: 54

Course Outcome

- To expertise the students in designing accessories according to the fashion trends which ultimately complements the garment.
- To teach different methods of jewellery making

Module	Content
I	Introduction to jewellery making tools- making of ornaments- ear rings, bracelets, bangles, chokers
II	Design three jewelleries on the basis of theme given- preparation of theme board, mood board, design board and colour board.
III	Develop products-(i) traditional jewellery (ii) fusion style jewellery (iii) contemporary style jewellery
IV	Design and Develop sustainable jewellery

Submit Record for external evaluation process.

References:

- History of Jewellery 1100-1870, Joan Evans, Faber.
- Ancient Jewellery (Interpreting the Past series), Jack Ogden, University of California Press.
- Five centuries of Jewellery: From the collection of Ancient Art Museum, Lisbon, Leonora D'Orey, Scala Books

5B13CFDGARMENT MAKING-WOMEN'S WEAR- (P)

Core Course: 13

Course Code: 5B13CFD

Course Name: Garment making-Women's Wear-(P)

Credits: 4

Hours per week: 5

Total Hours: 90

Course Outcome

- To enable students to assemble complete garment
- To equip them to construct stylized clothing

Module	Content
I	Construct salwar with 3 variations, construct churidar
II	Construction of kameez with 2 variation
III	Construct a saree blouse- with any 3 variation
IV	Construct nightie with any two variation

Garments to be prepared in full size using standard measurements and record to be submitted to the external examiner

References:

- HelenJoseph&Armstrong,(1995),PatternMakingForFashionDesign,UnitedStates ,PrenticeHallPublications.
- Claire Shaeffer,(1997), Sewing for the Apparel Industry, United States, Prentice Hall.
- JohnMcloughlinandDorothyFairclough,(2012),GarmentTechnologyforFashionDesigners ,

5B14CFD FASHION PHOTOGRAPHY (P)

Core Course: 14

Course Code: 5B14CFD

Course Name: Fashion Photography- (P)

Credits: 2

Hours per week: 3

Total Hours: 54

Course Outcome:

- To enable the students to understand the latest trends and visualisation in Fashion Photography.
- To understand the technical aspects of camera
- To learn different body languages, expressions, emotions, and moods required for fashion shoot
- Familiarise with the editing software

Module	Content
I	Digital Photography, work flow and the creative process-Pre production, planning the shoot, production, image format and image size, post-production, in camera and off camera image processing The equipment- interchangeable lens, Camera vs. others- Camera settings- aperture, shutter speed, ISO, auto mode, manual mode, semi-automatic modes, metering modes.
II	Camera lenses-prime lens, zoom lens, fisheye, wide angle and telephoto, lens filters. Understanding exposure and exposure triangle-Aperture, shutter speed, ISO Basic compositional rules in photography-Rule of thirds, leading lines, negative space, horizon line, symmetry and patterns.
III	White balance- Determining and managing white balance, White balance presets, Manual control using a grey card, colour temperature settings Understanding colour in digital photography- Colour vs. monochrome, hue and saturation, camera vs. the human eye, understanding light and the colour Understanding focal length- camera sensor size and crop factor, focal length and perspective, distortion.
IV	Photographing in ambient light- golden hour in photography, utilising the ambient light, use of reflectors Studio photography- flash vs. always on lights, light modifiers, off camera light metering, tethered shooting

V	Computer based image processing- image processing software, correction vs. manipulation, simulating light filters Readying the image for display- Printing vs. digital display, Managing image size and resolution.
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References:

- Dixie Dixon, 'Fashion and Lifestyle photography', Published by Ilex, 2017
- Eugenie Shinkle, 'Fashion as Photograph', Bloomsbury Publishing, 2008
- Lindsay Adler, 'The photographer's Guide to Posing', Published by Rocky Nook, 2017

5B15CFD COMPUTER AIDED DESIGNING–CAD (P)

Core Course: 15

Course Code: 5B15CFD

Course Name: Computer Aided Designing- CAD (P)

Credits: 2

Hours per week: 3

Total Hours: 54

Course Outcome

- To introduce students to CAD Software

Module	Content
I	MS Word, Excel, Power point- introduction to essential applications
II	Adobe Photoshop- introduction to Photoshop
III	Corel draw- drafting of different patterns for garment making
IV	Preparation of dress designing using CAD- use of CAD software for pattern making- drafting different components
V	Pattern Making, grading and marker planning using CAD- drafting, grading and marker making of Adult shirt, Frock and Kurta

Submit record of the entire work during the external evaluation

References:

1. CAD in Clothing and Textiles : A collection of Expert Views , Winifred Aldrich,
2. CAD for Fashion Design, Renee Weiss Chase, Prentice Hall

5D01CFDINDUSTRIALMANAGEMENT (T)

Generic Elective Course: 1

Course Code: 5D01CFD

Course Name: Industrial management (T)

Credits: 3

Hours per week: 3

Total Hours: 54

Course Outcome

- To understand the principles and functions of Industrial management.
- To know the structure of an industry and its production management systems.
- Students will be able to know about the management skills needed in an garment industry

Module	Content
I	Introduction to industrial management- types of industries and industrial ownership, Role and function of HR Manager. Recruitment and selection process. Types of recruitment, employee benefits
II	Types of factory layouts, workplace safety measures used in garment industry, hazards in industry and precautions to be taken, maintenance of machinery and equipment, proper utilisation of resources –Human resource, plant and machinery.
III	Types of production systems, plant capacity, production capacity, production capacity calculation, target achievement, Industrial engineering in apparel industry, industrial disputes, lockouts and strikes.

References:

- Production & Operation Management/PaneerSelvam/PHI
- S.CSharma,IndustrialSafetyandHealthManagement,KhannaBookPublishingCo .(P)Ltd.,Delhi
- Industrial Engineering Management IRaviShankar/Galgotia

SEMESTER VI

6B16CFD FASHION FORECASTING (T)

Core course: 16

Course Code: 6B16CFD

Course Name: Fashion forecasting (T)

Credits: 3

Hours per week:4

Total Hours: 72

Course Outcome

- To enable students to understand the importance and methods involved in fashion forecasting.
- Understand the market trend in fashion
- To understand the social responsibility towards sustainable fashion

Module	Content
I	Introduction to Fashion forecasting- Fashion forecasting and its relevance in apparel export business, Forecast report and its application for planning production in textile and apparel design
II	Fashion as a system- An observable phenomena ‘System of Symbols’ Roland Barthes, fashion curves, fashion cycle, pendulum swing
III	Fashion theories and social acceptance- Trickle up, trickle down, trickle across, fashion leaders, early adapters, late adapters, laggards, influencers
IV	Terminologies in fashion- Fashion, trend, style, FAD, classic, retro, silhouette, haute couture, prete porter/ ready to wear, avant garde, knock offs, bespoke
V	Market research- Consumer segmentation, psychographic profiles and demographic profiles’, Forecast reading and analysis- Fashion magazines, trend reports, social media posts (influencers), promostyle ,WGSN

Reference:

- Kathryn McKelvey and Janine Munslow, ‘Fashion Forecasting’, Wiley-Blackwell Publisher, 2008
- Eundeok Kim and Ann Marie Fiore, ‘Fashion Trends: Analysis and forecasting (Understanding Fashion)’, Berg Publishers, 2011
- Chelsea Rousso, Nancy Ostroff, ‘Fashion Forward: a Guide to Fashion Forecasting’ Fairchild books, New York, 2018
- Kate Scully and Debra Johnston Cobb, ‘Colour Forecasting for Fashion’, Thames and Hudson Publishers, 2012

6B17CFD– RETAIL AND VISUAL MERCHANDISING (T)

Core course: 17

Course Code: 6B17CFD

Course Name: Retail and Visual Merchandising (T)

Credits: 4

Hours per week: 4

Total Hours: 72

Course Outcome

- To learn about the significance of visual merchandising
- To make students aware of different steps in store management and store planning

Module	Content
I	Introduction to retailing- definition of retailing, functions of a retailer, retail mechanism, retail stores- types of retail stores- department store, speciality store, supermarkets, convenient store, discount stores, hyper market and super stores, warehouse store, E-Commerce store.
II	Store layout planning, types of store layout- forced path layout, grid store layout, loop store layout, straight store layout, diagonal store layout, angular store layout, geometric store layout, mixed store layout, free flow store layout, boutique store layout.
III	Mannequins and dress forms- types and uses.
IV	Visual merchandising and its importance, types and elements of visual merchandising, window display used in apparel industry, window display in boutique, types of retail window display
V	Fashion shows- planning of fashion shows- types and importance of fashion shows

Reference Books:

- Swati Bhalla & Anuraag Singha, Visual Merchandising
- Robert Colborne, Visual Merchandising: The Business of Merchandise Presentation
- Gibson, G. Vedomani, Retail Management, Jaico Publishing House, Bangalore
- Brenda Sternquist, International Retailing, Fairchild Publication, New York 30
- Martin M Peglaer (SVM), Visual merchandising and display third edition,

6B18CFD- PERSONALGROOMINGANDSTYLING (T)

Core course: 18

Course Code: 6B18CFD

Course Name: Personal Grooming and Styling (T)

Credits: 3

Hours per week: 4

Total Hours: 72

Course Outcome

- To learn and explore different types of fashion accessories
- To introduce the concept of fashion styling
- To provide idea about personal grooming in the industry

Module	Content
I	Fashion styling- roles of a stylist, types of fashion stylists- editorial fashion stylist, commercial fashion stylist, runway stylist, celebrity stylist, product stylist, personal stylist, E-commerce stylist, retail stylist/fashion consultants, wardrobe stylist, image consultants stylist
II	Personal grooming and styling- figure types and types of accessories for personal grooming
III	Understanding and working for a client according to his personality
IV	Merchandise styling and commercial styling, editorial fashion styling- magazine photo shoot-activity on magazine photo shoot

Reference Books:

- Encyclopaedia of Fashion accessories –Phyllis Tortora Fairchild
- Ellinwood. J G(2011)-Fashion By Design- Fairchild Books–New York
- JohnPeacock, "Thecomplete20thCenturySourceBook", ThamesandHudson,London,2000

6B19CFDGARMENT MAKING-MEN’S WEAR–(P)

Core course: 19

Course Code: 6B19CFD

Course Name: Garment Making- Men’s wear (P)

Credits: 4

Hours per week: 5

Total Hours: 90

Course Outcome

- To assist students to make patterns for adult wear category of clothing men’s wear and wear
- To equip students to make garments based on the drafted patterns

Module	Content
I	Prepare a slack shirt and Full Sleeve Shirt
II	Prepare kurta and kalidarkurta
III	Prepare pleated Trousers
IV	Prepare S. B. coat

The garment should be constructed in full size based on standard size chart. The Record should be submitted at the time of External Evaluation.

Reference Books:

- Helen Joseph & Armstrong, (1995), Pattern Making For Fashion Design, United States, Prentice Hall Publications.
- Reader’s Digest, (1997), Complete Guide to Sewing and Knitting, New York, Reader’s Digest Association.
- WinifredAldrich,(2011),MetricPatternCuttingforMen’sWear,4thEdition,USA,JohnWileyandSons.

6PR02CFD–PORTFOLIOPROJECT (Pr)

Project

Course Code: 6PR02CFD

Course Name: Portfolio Project (Pr)

Credits: 5

Hours per week: 4

Total Hours: 72

Course Outcome

- To create awareness regarding the significance of portfolio presentation.
- To enable students to improve their skills and talents in preparing a creative portfolio.
- To guide students with advanced instruction and experience in the collection of garment

Course outline

- Prepare a portfolio and present the same based on a theme
- Portfolio should be a collection of 5 garments having the following components inspiration board, Mood board, Colour board, Fabric Board, Illustrations and Flat sketches.
- Submission of the portfolio for external evaluation. Evaluator will be appointed by the University
- The mark distribution for the Portfolio shall be in the following pattern.

Appendix A

Distribution	Marks (50)
Portfolio Theme and Organization	20
Layout	10
Presentation	10
Viva	10

(Appendix II)

Guidelines for evaluation:

Internal evaluation: (Total Marks= 10)

1. Model examination = 5 Marks
2. Assignment/Seminar/viva voce= 5 Marks

End semester examination (total marks = 40)

Pattern of Question Paper

Time- 3 hours

Maximum marks -40

1. Two essays (250 words) out of four questions from modules 1 to 4 (Marks- $2 \times 8 = 16$)
2. Two out of three questions (100 words) from all modules (Marks- $2 \times 4 = 8$)
3. Four out of six questions from all modules (Marks- $4 \times 2 = 8$)
4. Eight short answer questions out of ten from all modules (Marks- $8 \times 1 = 8$)