

FULL TIME DIPLOMA COURSE IN

FASHION TECHNOLOGY

(3RD – 6TH SEMESTER)

CURRICULAR STRUCTURE

AND

SYLLABI

TRIPURA UNIVERSITY

**COURSE STRUCTURE FOR FASHION TECHNOLOGY
3rd SEMESTER**

A. THEORITICAL PAPER						
SL.NO	CODE	THEORITICAL PAPER		MARKS	CPW	CREDIT
		1 st half (50marks)	2 nd half (50marks)			
I		Traditional costume DFT-301	History of Art DFT-301	100	4	4
II		Contemporary Fashion DFT-302	Fashion Design DFT-302	100	3	3
III		Flat Pattern Making DFT-303		100	4	4
IV		Basics of Textile Manufacture –I DFT-304		100	3	3
		Total		400	14	14
B. SESSIONAL PAPER						
I		Programming in C Lab DCS-304S		100	4	2
II		Basic Garment Production Lab DFT-305S		100	4	2
III		Fashion Sketching, Drawing & Designing Lab DFT-306S		100	4	2
IV		Flat Pattern Making & Adaptation Lab DFT-307S		100	4	2
V		Tailoring Tools & Equipment Lab DFT-308S		100	4	2
VI		Garment Production Lab-I DFT-309S		100	4	2
		Total		600	24	12

**COURSE STRUCTURE FOR FASHION TECHNOLOGY
4th SEMESTER**

A. THEORITICAL PAPER						
SL.NO	CODE	THEORITICAL PAPER		MARKS	CPW	CREDIT
		1 st half (50marks)	2 nd half (50marks)			
I		Traditional Embroidery DFT-401	Marketing Management DFT-402	100	4	4
II		Fashion Business Management DFT-402	Fashion Merchandising DFT-402	100	4	4
III		Basics of Textile Manufacturing –II DFT-403		100	3+1T	3
IV		Fabric Structure & Textile Testing DFT-404		100	3	3
		Total		400	15	14
B. SESSIONAL PAPER						
I		Computer Application in fashion Lab DFT -405s		100	4	2
II		Garment Production –II Lab DFT-406S		100	4	2
III		Design Application & Fashion Illustration Lab DFT-407S		100	4	2
IV		Basic Technique of Clothing Construction Lab DFT-408S		100	4	2
V		Garment Designing & Draping Lab DFT-409S		100	4	2
VII		Communication Skill –II DHU400S		100	3	2
		Total		600	23	12

After 4th semester each student must undergo for industry training (for at least 3-4 week) during the vacation. Corresponding industry feedback / grade will be reflected on the 5th semester Grade card.

Theoretical & Practical / Sessional subjects : 70% marks for end semester exam & 30% marks for internal assessment.

5th SEMESTER

A. THEORITICAL PAPER						
SL.NO	CODE	THEORITICAL PAPER		MARKS	CPW	CREDIT
		1 st half (50marks)	2 nd half (50marks)			
I		Industrial Management DHU501	Entrepreneurship Development DHU501	100	4	4
II		Fashion Forecasting DFT-501	Accessory Design DFT-501	100	4	4
III		Textile Dyeing & Printing DFT-502		100	3+1T	3
IV		Home Textile/Furnishing DFT-503		100	3	3
		Total		400	15	14
B. SESSIONAL PAPER						
I		Project Work-I—Fashion design project Work (DFT-504S)		100	6	2
II		Advance Pattern Making Lab(DFT-505S)		100	4	2
III		Draping Lab (DFT-506S)		100	4	2
IV		Textile Dyeing & Printing Lab(DFT-507S)		100	4	2
V		Home Textile/Furnishing Lab (DFT-508S)		100	5	2
VI		Industrial Training(DIT-500S)		100	-	2
		Total		600	23	12

6th SEMESTER

A. THEORITICAL PAPER						
SL.NO	CODE	THEORITICAL PAPER		MARKS	CPW	CREDIT
		1 st half (50marks)	2 nd half (50marks)			
I		Professional Ethics & Values DHU601	Optimization Technique DHU601	100	4	4
II		Indian Folk & Tribal Handicrafts DFT-601	Computer Aided Fashion Design DFT-601	100	4	4
III		Textile Finishing DFT-602		100	3	3
IV		A) Clothing Technology –DFT-603/1 (Elective)		100	3	3
		B) Accessories & Surface Ornamentation-DFT-603/2 (Elective)				
		Total		400	14	14
B. SESSIONAL PAPER						
I		Project -II—Fashion design project Work DFT-604S		200	10	4
II		Garment Designing & Draping Lab DFT-605S		100	4	2
III		Computer Aided Fashion Design Lab DFT-606S		100	4	2
IV		Elective -II Lab DFT-607S		100	4	2
V		Generic Skill DHU-600S		50	2	1
VI		Final Viva DFT-608S		50	-	1
		Total		600	24	12

Theoretical & Practical / Sessional subjects : 70% marks for end semester exam & 30% marks for internal assessment.

3rd SEMESTER

THEORETICAL PAPERS

1ST HALF

TRADITIONAL COSTUME (DFT-301)

Group A

Module – I Introduction of costume :-

Introduction of costume, factors influencing the costume changes.
Classification of different types of costume.

Module – II Costume of India:-

Study of Traditional costume of different state of India.
Design ideas and development of Indian traditional state costume.

Module – III Tribal costume :-

Introduction of Tribal Costume.
Study of designs of traditional Indian tribal costume.
Costume of north eastern state – Tripura, Assam, Manipur.

Group – B

Module – IV Folk costume of different countries:-

Study of costume of Pakistan, China, Sri Lanka, Thailand etc.
Study of African Costume.

Module – V French Costume during Renaissance :-

French costume during Renaissance 1400-1600.

Module – VI English & American Costume:-

English costume during middle ages.
American costume from 18 and 20 century.

Reference Books

1. Hope costumes of Greek and Romans - Thomas Hope
2. Costumes of India & Pakistan – S. N. Dar.
3. Katherine Morris Cester, “Historic Costumes”, Prentice Hall 2000.
4. Fringe G.S. “Fashion from concept to consumer” Prentice Hall 1998.
5. Jamila Brij bhu Shan, “The costume & textiles India” Prentice Hall 2000.
6. Fillow J and Bernard n. Thomas and Hudson, “Traditional Indian textiles”, 1993.

2ND HALF

HISTORY OF ART (DFT-301)

Group – A

Module – I

Egypt & Bygentyne Art: Characteristic of Egypt & Bygentyne art, Architecture of Egypt

Module – II

Greece & Rome: Introduction of Art

Module-III

Renaissance: Painting (Early & High)

Group – B

Module – IV

Impressionism & Post Impressionism. :- Claude Monet, Edgar Degas, Paul Gaguin , Van Gough ,Cazine

Module – V

Fauvism :- Matiaac

Module – VI

Dada and Suprealism. :- Introduction (Michael Duchamp) ,Introduction (Dali)

Reference Books

1. A History of Fine Arts in India and the West / Edith Tomory / Orient Longman.

1ST HALF

CONTEMPORARY FASHION (DFT-302)

Group –A

Module – I Influence :-

Role of Cultural groups, religions belief on fashion.

Impact of climate conditions, geographical locations on changes of fashion.

Influence of Racial groups, traditional practices on fashion.

Module – II Invasion

Influence of Mugal invasion on contemporary fashion.

Impact of East India Company & British Raj on changes of fashion.

Role of Khadi Industry in shaping the Indian fashion.

Module – III Role of Events

Role of Political events on fashion.
Role of economic of fashion.
Role of globalization.
Role of consumerism.

Group –B

Module – IV Information Technology

Role of Various media like cable T.V., News prints etc.
Role of internet, on-line, shopping & E-Commerce.
Role of Computer & its application.

Module – V Environment

Effect on recent environmental influences on society, fashion & industries & their future implication.

Module – VI Fashion Designers

Study of works of at least five Indian & International Contemporary fashion designer.

Reference Books :

1. Latest fashion style, Winter Hiver 97
2. Life styles : fashion styles, Katheryn Samual
3. Inside fashion design, Sharon Lee Tata
4. Beyond the looking glass: Americas beauty culture, Perutz Caterine, William Morrow and Co.
5. Universe of fashion, Issey Miyake.
6. Fashions of a decade the 1990s, Elane Feldman, Valerie Cumming.
- 7.

2ND HALF

FASHION DESIGN(DFT-302)

Group – A

Module –I Designing Sources of inspiration

Selection of design, what is a design? How to design?
Presentation techniques Flat sketches, port folio.

Module – II Design collection for men/ women/ children

Use of medium of decoration on dresses such as embroidery, painting, texture, patches, colours, etc.
Garment design details etc.
Presentation on paper etc.

Group –B

Module – III Role of Fashion Designer

Introduction role of fashion designer, Fashion illustrator, textile designer.

Module –IV Port –Folio Management

Concept and meaning of Port-folio

Selection of topic / theme, design idea, feasibility of conducting port –folio. Importance of port folio project, preparation of project report, design details, port-folio. Knowledge of Mood board, story board.

Collection of articles, dresses, accessories for practical full-fillment of port folio work presentation of port folio work.

Reference Books :

1. Contemporary clothing, Dorothy S Lyle and Jeanne Brinkley.
2. Inside fashion Design, Sharon Lee Tata.
3. Universe of fashion, Issey Miyake.

FLAT PATTERN MAKING (DFT-303)

1ST HALF

Module – I Introduction

Introduction flat pattern making & adaptation.

Study of Darts, pleats, frills, Gathers, Umbrella cuts.

Module – II Basic Block

Measurement takup size chart & meaning of sizes definition of various garment parts position.

Basic block construction - Block preparation & correction.

Module -III Pattern Making

Pattern making by manipulation of dart elementary & advances dart manipulation.

Basic principles & methodologies used to draft standard size block pattern for men, women & Children i.e. shirts, pants, skirts, jackets, dresses etc.

2ND HALF

Module – IV Basic pattern alterations

Length & width adjustment.

Bust Line, waist line, hip line adjustment.

Arm hole, shoulder & sleeve adjustment.

Princes line & Cuts.

Module – V Sample preparation

Construction of sleeve block - crown height & its relationship with the fit of garment.

Introduction to silhouettes of sleeve, sleeve variation – Cap, collar, set in collars& collar variation, one piece and two piece collar and convertible collar.

Reference Books:

1. Dress pattern designing, Natalie Bray.
2. Pattern Drafting, Crosset and Dunlop.
3. Introduction to pattern cutting, grading and modeling, M. Goul Bourn.
4. Modern pattern design.
5. Flat pattern methods, Haller N.

BASICS OF TEXTILE MANUFACTURE –I (DFT-304)

1ST HALF

Module – I Introduction to fibre

Introduction to textile fibers:
Classification of textile fibers.

Module - II Fibre properties and uses

Physical & chemical properties of fibers and their uses---cotton, jute, wool, silk, viscose, nylon, polyester, acrylic, polypropylene, introduction to microfibers, Monofilament & multifilament.

Module – III Introduction to yarn

Yarn manufacturing–Objective and process sequence–Blow room, carding, drawing, ring frame, objective and process sequence of rotor spinning and friction spinning.
Comparison of yarn properties produced in the above process.

2ND HALF

Module -IV Properties of Yarn

Texturisation Definition, types, properties of textured yarn-its uses.
Yarn quality requirement for weaving and knitting.
Properties of yarn–twist, ply, strength, etc. and uses.

Module – V Textiles Yarn

Manufacturing properties and uses of fancy/novelty yarn.
Sewing thread manufacturing, fibre used essential quality particulars of sewing thread and manufacturing details.

Reference Books:-

- 1.Sreenivasamoorthy, H.V “introduction to textile fibres” ATA, 1987.
- 2.Oxotoby E, Spun yarn technology, Btterworths, London, 1988.
- 3.Josheph M.L., Essential of textiles, Hold Rienhart Winston pub Co, New York, 1984.
- 4.Klien W.G., The technology of short staple spinning textile institute, Manchester, 1988.
- 5.Fibre science, Kannathan V.
- 6.Chemical Processing of synthetic fibre and blends, Datye K.V. and Vaidya.

SESSIONAL PAPERS

PROGRAMMING IN C LAB (DCS-304S)

DETAIL COURSE CONTENT

- Module 1 Basic of C Programming 4**
Introduction of C language , Merit & Demerits of C , Working steps of C Compiler
- 1.1 To execute a sample C program to study the basic structure of C program.
 - 1.2 To be familiar with keywords and identifiers through some program.
 - 1.3 To apply constant, variables and different types of data types.
- Module 2 Operators & Expressions 6**
- 2.1 To write program using Arithmetic, Relational, Logical and Assignment operators.
 - 2.2 To write program to implement increment & decrement operators and to find the greatest between two numbers using conditional operator.
 - 2.3 To evaluate an expression to study operator precedence and associativity and to write a program using casting a value.
- Module 3 Decision Making 8**
- 3.1 To use formatted scanf() and printf() functions for different types of data.
 - 3.2 To find the roots of a quadratic equation. Find the greatest of three numbers using IF –ELSE and IF -ELSE IF statements.
 - 3.3 To test whether the given character is vowel or not, using nested if –else statement and Switch-case statement.
 - 3.4 To find sum of first n natural number using 'GOTO' statement
 - 3.5 To find the sum of all Fibonacci numbers in between 1 to n using 'for' loop.
 - 3.6 To find G.C.D and L.C.M of two numbers using 'WHILE' loop.
 - 3.7 To find the sum of the digits of an integer using DO –WHILE loop structure.
 - 3.8 To solve other problems for the implementation of different loop structure.
- Module 4 Arrays 10**
- 4.1 To write a program to accept 10 numbers, store them in a single dimensional array and to make the average of the numbers.
 - 4.2 To make an array of n elements and sort them and to write a program to check whether an input number is palindrome or not.
 - 4.3 To write a program to accept a string and to count the no of vowels present in this string.
 - 4.4 To write programs on matrix operation (addition, subtraction & multiplication).
 - 4.5 To write some programs to utilize different string handling functions and to create an array to store the names of 10 students arranging them alphabetically.
- Module 5 User Defined Functions 10**
- 5.1 To write a program to find the sum of the digits of a given number using function.
 - 5.2 To write program using functions: —
 - (a) with no argument and no return value;
 - (b) with argument and no return value;
 - (c) with argument and return value.
 - 5.3 To find out the factorial of a given number using recursive function.
 - 5.4 To write a program that uses a function to sort an array of integers.
 - 5.5 To write programs to illustrate auto variable, external variable, static variable and register variable.

Module 6	Pointers	10
6.1	To write a program to access variables using pointer.	
6.2	To write a program to assign the address of an integer array to a pointer variable 'p' and add all the array elements through 'p'.	
6.3	To write programs to explain parameter passing 'by reference' and 'by value'.	
Module 7	Structure	6
7.1	To write a program to define and assign values to structure members	
7.2	To write program to explain structure with arrays.	
7.3	To define and assign values to 'Union' members.	
Module 8	File Handling	6
8.1	To write to and read from a sequential access file (use character type data).	
8.2	To create an integer data file, to read this file and to write all odd numbers to a new file.	
8.3	To write program to use different functions used in file handling.	
8.4	To make a random access to a file.	
8.5		

BASIC GARMENT PRODUCTION LAB (DFT-305S)

Group – A

Module – I Basic pattern
Prepare basic patterns and do variations.
Grade the basic patterns.

Module – II Construction

Construct, finish and press the same using the drafted patterns.
(a) Cuffs, b) Sleeves, c) Yokes, d) Pockets, e) Collars, f) Plackets and skirts

Group – B

Module – III Draping

Advance to draping – style leading of basic bodies different type of collar, sleeve, cuffs and pockets.

Module – IV Pattern making

Flat pattern technique, causes four fit, checking the fit of a garment solving fitting problems, Cutting and sewing of various garments.

Reference Books:-

1. The technology of Clothing manufacture, Carr. H and Latham Barbara.
2. Clothing technology from fibre to fashion, Kilgus R.

FASHION SKETCHING, DRAWING & DESIGNING LAB (DFT-306S)

Group- A

Module – I Types

Study of types and techniques of illustrations

Study of Basic Anatomy.

Module – II Proportion

Constant proportions–children, men, women in various poses.

Drawing faces and hair styles, Drawing arms and legs with accessories, creating various poses.

Group- B

Module – III Design details

Silhouette and its type.

Drawing different types of necklines, collars, sleeves and cuffs, drawing skirt, pants and coats.

Drawing blouses, shirts.

Module – IV Drawing

Costume drawing – Sketching the fall of the fabric, Accessory drawing.

Sketching different types of garments and costumes with black pen, water colour, sketching national costumes, traditional costumes of India.

Reference Books:-

1. Dress selection and design, Harion Hillhouse.
2. Visual design, Goldstein and Goldstein.
3. Art in everyday life, M.F. Hepbirth / Eng. Uni. Press. Ltd.
4. Dress Designing, J.R. Garbth.
5. How to draw Human Figures, Sharan Lee Tata, Mona.
6. Complete Book of fashion Illustration Shafer Eduardis Hepper and Raw.

FLAT PATTERN MAKING & ADAPTATION LAB (DFT-307S)

Group – A

Module – I Making of Basic Blocks

Making of Basic Blocks for Children

Making of basic blocks for ladies.

Making of basic blocks for men.

Module –II Basic Pattern Alterations

Length & Width adjustment etc.

But lines, waist line and hip line adjustment. ‘

Armhole, shoulder and sleeve adjustment etc.

Princess line & cuts.

Group – B

Module – III Sample Preparation

Preparation of samples of the following and prepare a file :

Darts, Pleats, Frills, Gathers, Umbrella cuts etc.

Basic blocks for children, ladies, men etc.

Various types of sleeves, collars, yokes, pockets.

Basic patterns of alterations such as

Length & width adjustments

Bust line, waist line and hip line adjustment.

Armhole, shoulder and sleeve adjustment

Princess line & cuts.

Reference Books:

1. Dress pattern designing, Natalie Bray.
2. Pattern Drafting, Crosset and Dunlop.
3. Introduction to pattern cutting, grading and modeling, M. Goul Bourn.
4. Modern pattern design.
5. Flat pattern methods, Haller N.
6. Pattern making by Armstrong.

TAILORING TOOLS & EQUIPMENT LAB (DFT-308S)

Group – A

Module – I Knowledge of machines

Parts of machine and working of sewing machines.

Functions of each part of sewing machines –hand operated, treadle operated and electric motor operated.

Module –II Machine Maintenance

Disassembling and assembling of sewing machines and equipments.

Cleaning and oiling of machine parts, machine.

Changing of m/c parts and equipments.

Module – III Tools and Equipments

Working with measuring tools: inch tape, meter scale, different types of scales used for drafting and marking French Curve, Dress maker's square, Curved stick.

Working with marking tools : Tracing paper, tracing wheel, tailor's chalk, pencil, pins.

Working with cutting tools: different types of scissors, seam ripper.

Group – B

Module – IV Time Saving devices

Working with time saving devices : hemmer, tucker, quilter, Ruffler, Cording Foot, Zig-zag etc.

Working with embroidery plate, needle threader, cloth guide, zipper etc.

Working with electric scissor, electric cutter, tracing wheel, button note attachment, braiders, folders.

Techniques of mending, patching on samples.

Module – V Repairing and safety

Repairing –mending, patching, darning, renovating of garments etc.

Safety – safety measures / precautions to be taken while working with sewing machines etc.

Reference Books:-

1. Tailoring & Dress making by Thankar and Surti Prajabati (Guj).
2. Indian system of cutting by USHA Company.
3. Usha Tailoring guide by Reader's Digest.
4. Readers Digest complete guide to sewing by Mabel D. Erwin, Macmillan Company.
5. Clothing for Moderns by Mabel D. Erwin.
6. Practical Dress Design, Principles of fitting and pattern by Reader's Digest.

GARMENT PRODUCTION LAB-I (DFT-309S)

Group – A

Module – I Human Figure

Proportion and disproportion of human figure, figure types and variation—normal Figures.

Module –II Measurement

Measurement & its importance - standard body measurement for children, ladies and gents. Sequence of taking body measurement for various age group and sex. Recording of measurement.

Module – III Layout

Layout – open layout, lengthwise layout, cross wise layout, double layout, etc. Principles of layout - laying of different patterns on different types of fabrics.

Group – B

Module – IV Dress form

Preparation of dress form and draping fabric for various garments.

Selection of fibre, yarn, fabrics & finishes for ladies & children garments. Factors affecting selection of ladies & children garments. Drafting of garments (Ladies & children). For Children:- drafting of zabra, panty, romper, diaper, easy frock, A-line frock, umbrella frock, askirt & top, tunic. For ladies :- drafting of skirts straight, pleated, umbrella, paneled, drafting of blouses :- High neck, plain, Orabi, coli cut, churidar, salwar, ladies shirt, kameez etc. Cutting & Sewing of all the above drafted ladies & children garments.

Reference Books:-

1. Jacob Solinger, “Apparel Manufacturing Handbook”, Van Nostrand Reinhold Company (1980).

4th SEMESTER

THEORETICAL PAPERS

1ST HALF

TRADITIONAL EMBROIDERY (DFT-401)

Group – A

Module – I Basic embroidery Equipment -

Introduction to embroidery equipment for hand embroidery such as needle, frame, scissors, carbon paper, tracing paper, etc.

Study of modern embroidery equipment,

Module – II Transferring design on fabric

Transferring design on fabric by carbon paper, rubbing method, tracing table method, pressing method, pound method etc.

Module – III Study of Basic Stitches

Study of basic stitches–Lazy Daizy, Chain, Satin stitch, Herring bone, Feather, Long and Short, French knot, etc.

Study of embroidery stitches – Patch work, Mirror work, Cross, Beading, Fly feather, Romanian, Applique and Smocking.

Group – B

Module – IV Traditional Embroidery

Study of Traditional embroidery – Phulkari, Kutch & Kathiawar embroideries, Kasida of Kashmir, Chikankari of Lucknow, Kantha of Bengal, Gold & Silver embroidery, Bead work, Cut work and Open work, Kasauti of Karnataka, Manipuri embroidery.

Module – V Indian Textile

Study of traditional Indian textiles such as Baluchari, Jamdani, Ikkat, Benarasi, Kanchipuram, etc.

Different traditional dresses of India.

Reference Books:-

1. Indian Embroideries by Savitri Pandit.
2. Indian Embroideries by Kamala Devi Chattopadhyay.
3. Learning to Embroidery by Povel Publications INC New York.
4. Directory of Embroidery stitches by Thomas.
5. Teach Yourself Embroidery by Mary Thomas.

2ND HALF
MARKETING MANAGEMENT (DFT-401)

Group – A

Module – I Introduction to marketing management

Definition of Marketing, Distinction between Marketing, Selling, & Distribution. Definition of marketing management, 4P's of marketing, marketing environment, Concept & tools, Consumer Behaviour, Customer Satisfaction and retention, market segmentation.

Module – II Need of marketing information

Need of marketing information system, marketing research & market research, function & process of market research, sampling data sources and collection, data analysis.

Module – III Developing marketing strategies

Developing marketing strategies- product life cycle, marketing strategies, developing new products, managing product lines and brands.
Marketing planning and Strategies.

Group – B

Module – IV Product Pricing

Pricing- meaning and importance of product planning, factors affecting decision of price determination.
Object & policies of price determination.

Module – V Distribution

Distribution, types of distribution channels & meaning of distribution channels, classification and types of retailers and whole sellers.

Module –VI Promotion

Promotion- advertising, media selection, personal selling, publicity and product positioning. Sales promotion.

Reference books:-

1. Marketing Managing by Philip Kotler.
2. Marketing management implementation and control, the Indian Context by V.S. Ramaswamy and S. Nama Kumar.
3. Marketing management by Prof. Jain P.C. and Dr. Renuka Jain.
4. Advertising marketing & sales management by Basotia G.R. / Sharma N.K.
5. Modern Marketing by A.A. Sherlekar.

1ST HALF
FASHION BUSINESS MANAGEMENT (DFT-402)

Group – A

Module – I Introduction

Nature of fashion: terminology of fashion – style-design-taste-classic-Fad-components of fashion- Silhouette-details-texture-colour acceptance-change-principles of fashion.

Module – II Environment of fashion

The environment of fashion: demographics and psychographics-economicfactors-sociological factors-psychological factors-implications of environmental influences.

Module – III Movement of fashion

The movement of fashion: the cycling of fashion – stages of fashion cycle-consumer buying and the fashion cycle-factors influencing fashion movement-recurring fashions.
The leader of fashion: the designer's role.

Group – B

Module – IV Fashion Business

Scope of fashion business-forms of business ownership-business growth and expansion.

Module – V Retailing

Retailing in fashion merchandising & formation: development of fashion retailing-types of retailer's fashion merchandise-fashion advertising-visual merchandising.

Module – VI Patent

What is Patent & Importance of patent act, consumer protection, consumer protection act, consumer behaviour, consumer satisfaction & retention.

Reference Books:-

1. Fashion in interdisciplinary review by Hann. M.A. and Jackson K.C.
2. Introduction to clothing management by Chuter. M.J.
3. Fashion design and product development by Darr. H and Bomery J.

2ND HALF
FASHION MERCHANDISING (DFT-402)

Group – A

Module – I Introduction to Fashion Merchandising

Merchandising – definition of merchandising-function of merchandising division-role & responsibility of merchandiser-different types of buyers-communication with the buyers-awareness of current market trend-product development-line planning & line presentation.

Module – II Market

Types of markets: retail & wholesale strategies for merchandise distribution-retailers-marketing plan, labeling & licensing.

Module – III Responsibility

Responsibility of merchandiser during production, fashion merchandising strategy for success, merchandiser's role after production, buyer's requirement, & interaction between merchandiser & buyer.

Group – B

Module – IV Roles

Export of garments – Quota, Letter of credit, Commission, Lead time delivery schedule, Time management and delivery schedule.

Module – V Management

Fashion merchandising management – purchasing, store keeping and inventory control. Introduction to WTO & MFA. Role of WTO & MFA in manufacturing industry.

Module – VI Career option

Career option: Fashion Designing, Illustration career, Apparel industry career, Merchandising career, Communication & Advertising career, Business administration.

Reference Books:-

1. Fashion from concept to consumer by Gini Stephen Frings.
2. Fashion merchandising by Stones and Samples.
3. Introduction to fashion merchandising by Evelyn Grace.

BASICS OF TEXTILE MANUFACTURING –II (DFT-403)

1ST HALF

Module – I Introduction

Introduction to weaving process: woven fabric formation-weaving preparatory objectives, process sequence.

Module – II Motion

Looms-brief study of primary motions, secondary motions, and auxiliary motions etc. Passage of yarn in loom, definition of warp and salvage, etc.

Module – III Looms

Classification of different types of looms, primitive back strap loom, pit loom, vertical loom, two harness foot loom, power loom, dobby loom, jacquard loom, etc. Parts of different loom and function of different parts.

2ND HALF

Module – IV Dobby and Jacquard

Basic introduction and objective of dobby, jacquard looms & its functions.

Module – V Knitting

Introducing to knitting process-knitting definition, classification, comparison of basic properties of woven & knitted fabrics.

Warp knitting types: circular, flat, and its important features.

Warp knitting machine: important feature of tricot, raschel, crochet machine.

Module – VI Non Woven

Introduction to nonwovens: sequence of process in manufacturing nonwovens-types of bonding-mechanical, chemical and thermal–uses.

Reference Books:-

1. Ormerod A and Sondlhelm W.S. Weaving Technology and operations' the textile institute, 1995.
2. Ajgaonkar D.V., Principles of knitting universal Publishing Corporation, 1998.
3. Corbmann. B.P. Textiles: Fibre to fabric Megraw Hill Inc. Singapore, 1986.
4. Spencer D.J. Knitting technology Pergamon Press, Oxford 1982.

FABRIC STRUCTURE & TEXTILE TESTING (DFT-404)

1ST HALF

Module – I Types of weave

Study of different types of Weaves – Plain, Basket, Rib, Twill, Satin, Honey-comb, etc.

Module – II Types of Fabric

Study of different types of fabrics – Name of different fabrics, characteristics and their textures.

Module – III Identification

Identification of weaves and fabrics – Plain fabrics, Twill fabrics, Satin fabrics and sateen weave. Construction particulars for like Cambric, Voile, Poplin, Denim, Casement, Canvas, China silk, Cheese-cloth, flannel, Gauge, Buckram-uses of the structure fabric.

2ND HALF

Module – IV Testing of yarn

Testing of yarn, yarn numbering system-method of count determination-yarn appearance tester-single yarn strength tester-CSP, etc.

Module – V Testing of fabric

Fabric: strength testing-tensile strength, tearing strength, abrasion testing, pill testing, colour fastness testing, washing fastness, light fastness, rubbing fastness and importance of these on garments.

Reference Books:-

1. Booth J.E. Principle of textile testing, Butter Worths, London, 1983.
2. Grosicki Z.J. Watsons Advanced Textile design and colour Newness Butterworths, London, 1975.
3. Watsons Textile design and colour Newness Butterworths, London, 1975.

COMPUTER APPLICATION IN FASHION LAB (DFT-405S)

Group – A

Module – I Learning Process

Simple work processing-learning to use differential size & types of fonts, line spacing, tables, inserting pictures, editing-cut & paste.

Module – II Formula

Spread sheet processing-formulae for row-column charts, different forms, worksheets-row header & column header.

Module – III Corel Draw & Photoshop

Corel Draw- Garment Designing, Styling, Alteration, Coloring, Erasing, Painting, etc. Photoshop practices.

Group – B

Module – IV Auto cad

Auto CAD worksheets: Drawing aids and utility commands, entities, text, layers, inquiry, display, editing, block and assembly, scripts.

GARMENT PRODUCTION-II LAB (DFT-406S)

Group – A

Module – I Garment construction

Garment construction, stitches classification – introduction to sewing machine and its parts – common problems and its remedies. Stitches – constructing stitches – temporary and permanent stitches. Seams – definition, types and seam finishes, their suitability and application in various garments.

Module – II Fullness

Fullness – definition, methods of introducing fullness in garments, gathers, pleats, flares, tucks & darts, methods of controlling fullness.

Group – B

Module – III Design

Factors to be considered in designing collars.

Future of children, ladies and gents garments-Growth of apparel industry for children, ladies and gents-Role of fashion- colour, fabric, texture of ladies, children and gents garments.

Module – IV Drafting

Drafting of men's garments such as Shirts, Trousers, Pyjama, Kurta, Jackets, Full sleeve shirt, Bush shirt and T-shirt, etc.

Cutting and stitching of all the above drafted men's garments.

DESIGN APPLICATION AND FASHION ILLUSTRATION LAB(DFT-407S)

Group – A

Module – I Introduction

Introduction to advanced designing and fashion illustration, Introduction to various colour mediums-poster colour, watercolour, crayons, water proofing, pencil & pens. Different types of prints and their affects when draft into dresses-plain, striped, checks, textured, floral illustration with pencil and colour.

Group – B

Module – II Illustration Fashion figure

Illustration of fashion figure: illustrate in colour figures with dresses in different types of fabric, illustrate dresses for children, women and men.

What is design? How to design? Presentation technique-Flat sketches, Portfolio.

Garment design details for children, women and men.

Reference Books:-

1. Dress selection and design, Harion Hillhouse.
2. Visual design, Goldstein and Goldstein.
3. Art in everyday life, M.F. Hepbirth / Eng. Uni. Press. Ltd.
4. Dress Designing, J.R. Garbth.
5. How to draw Human Figures, Sharan Lee Tata, Mona.
6. Complete Book of fashion Illustration Shafer Eduardis Hepper and Raw.

BASIC TECHNIQUE OF CLOTHING CONSTRUCTION LAB (DFT-408S)**Module – I Trailing Principles**

Introduction of tailoring principles, Fabric preparation for cutting, stitching & finishing.
Basic sewing technique- Basting, Tacking, Hamming, Thread marking, Lock, Stitch, Eye hole stitch, Button hole, Fastener, Zip attaching.

Seams- Plain, French, Run & Fall, Counter Hem, Lapped, etc.

Binding bias and straight facing, Tuck and Dart pleats.

Module – II Construction

Construction of Collar- Peter Pan, Creation, Square neck, Reverse, Boat, Shirt, Stand, Flat, etc.

Construction of Yokes- V-shape, U-shape, Round, Square, Glass-neck, etc.

Construction of Sleeves- Short pleated type, Puff, Three quarter, Kimono, Dolman sleeve, etc.

Placket making & fixing- One piece, Two piece, Seam, Hemmed, Reversible, etc.

Fastener attaching- Press button, Hooks and eyes, Eyelets, Buckles, Buttons and button holes, Zipper and Velcro tapes, etc.

Preparation of samples of Collar, Pockets, Plackets, etc.

Reference Books:

1. Jacob Solinger, Apparel Manufacturing Handbook, Van Nostrand Reinhold Company, 1980.
2. Peyton B. Hudson, Guide to Apparel Manufacturing MEDIA Apparel Inc. 1989.
3. Carr. H, Latham. B, the Technology of Clothing Manufacture, Blackwell Scientific Publications.
4. Commercial system of cutting by Bal and Co.
5. Practical Clothing construction by M. Mathews.

GARMENT DESIGNING & DRAPING LAB (DFT-409S)

Group – A

Module – I Draping

Definition and importance of draping, Basic principles of draping, Study of basic blocks-sketching and preparation of basic blocks for men, women and children.

Module – II Dart

Type of Darts and definition of Darts, Study and practice of Dart manipulation.

Group – B

Module – III Block

Basic cuts on bodice block- Princess lines, yokes, necklines, closings.
Study of Gathers, Pleats, Cowls and Drapes.

Reference Books:

1. Dress design draping and flat pattern by Hillhouse and Mansfield.
2. Dress pattern designing by Natalie Bray.
3. Drapery of fashion design by Filde Jeffe, Norie Relas.
4. Draping by Reston Publishing Co., Virginia.

COMMUNICATION SKILL-II (DHU 400S) 1st half (For all Discipline)

MODULE –1 LOOKING FOR A JOB

- 1.1 Identifying Sources — Skimming Newspapers for Information
- 1.2 *JOB INTERVIEWS Preparing for an interview — Responding Appropriately — Group Discussions — Using Language Effectively for Interaction
***Mock interviews are to be arranged and to be conducted by any suitable person**
- 1.3 Preparation of C.V.

MODULE –2 PHONETICS

- 2.1 The speech mechanism
- 2.2 Speech sounds : Vowels & consonants
- 2.3 Phonetic symbols
- 2.4 The syllable
- 2.5 Intensive drilling in phonetic skills, and accent and intonation

MODULE –3 WRITING SKILLS

- 3.1 Writing using a variety of simple and complex sentences and a range of subordinate and co-ordinate clauses of time, manner, reasons, relation, results etc.
- 3.2 Knowledge to construct a coherent and cohesive text, using a range of cohesive devices dealing with consequences, addition, concession, apportion, agreement, contrast.
- 3.3 Dialogue writing considering various purposes – formal, semi-formal, informal

MODULE – 4 DEVELOPING CONVERSATIONAL SKILLS

Develop different forms of conversation, formal or informal in different situations like–

- a) Greetings, Salutations
- b) Asking the way
- c) In the Post office
- d) Catching a train
- e) Booking a room at a hotel
- f) At the bank
- g) Making a telephone call
- h) At the police station
- i) Receiving and seeing off a guest.

MODULE –5 MAKING PRESENTATIONS

- 5.1 Methods of speaking – speaking from a manuscript – speaking from memory – Impromptu delivery – extemporaneous delivery.
- 5.2 Analysing the Audience.
- 5.3 Organizing the presentation – Using visual Aids – Designing and presenting visual Aids.

Examination Scheme:

1. Continuous internal assessment of 30 Marks is to be carried out by the teachers through out Part-II 4th Semester.
2. External Assessment of 70 Marks shall be held at the end of the part – II 4th Semester on the entire syllabus. Distribution of Marks : Looking for a Job : 10, Phonetic : 15, writing Skills : 10 Developing conversational skills : 10, Making presentations : 25.

TEXT BOOK AND OTHER RECOMMENDED BOOKS

ENGLISH SKILLS for Technical Students – TEACHERS' HANDBOOK / West Bengal State Council of Technical Education in collaboration with THE BRITISH COUNCIL / Orient Longman – Business Correspondence, by V.G. Natu and C Kaur – Professional Communication Skills, by Pravin Bhatia and A.M. Shaikh – English Grammar, by Wren & Martin

- A text book of English : Phonetics for Indian Students / T. Balasubramanian / Macmillan India Ltd., Writing skills – A . Parry, S. Harlle and M. Bartram.

5th SEMESTER
THEORITICAL PAPER

1ST HALF

INDUSTRIAL MANAGEMENT (DHU501)

Introduction to Management Science

Principles & functions of management — Contributions of F.W. Taylor, Henry Fayol, Max Weber in development of the theories of management science.

Organisational Behaviour

Objectives — Brief introduction to: Motivation– Perception – Leadership & Leadership Styles – Communication – Team Building – Work Culture.

Human Resources Management

Scope & Functions – Human Resources Planning – Selection & Recruitment – Training & Development – Performance Appraisal .

Production & material Management

Production Planning: Routing – Loading – Scheduling — Production Control: Expediting – Dispatching — Materials Handling Inventory Management Inventory Management — Productivity — Quality Management: Tools & Techniques – Quality Management System.:

Financial Management

Financial Ratios — Elements of Costing — Auditing

Marketing & Sales Management

Marketing of products & Services — Advertising & Sales Promotion — Consumer Behaviour

REFERENCE BOOKS

Essentials of Management / Kontz / McGraw-Hill of India

Organization & Behaviour / M. Banerjee / Allied Publishers

Human Behaviour at Work: Organizational Behaviour / Keith Davis & Newstrom / McGraw-Hill of India

Human Resources Management / Mirza Saiyatin / Tata McGraw-Hill

Production Management & Control / Nikhil Bharat / U.N. Dhar & Co.

Production Management / Keith Lockyer / ELBS

Marketing Management / Philip Kotler / Prentice Hall of India

Lectures on Management Accounting / Dr. B.K. Basu / Basusri Bookstall, Kolkata

An Insight into Auditing: A Multi-dimensional Approach / Dr. B.K. Basu / Basusri Bookstall, Kolkata

Business Strategies, Financial Management & Management Accounting / S.K. Poddar / The Association of Engineers (India)

2ND HALF

ENTREPRENEURSHIP DEVELOPMENT (DHU501)

Entrepreneurial Development

Definition of entrepreneurship, Characteristics of entrepreneurship, Factors influencing entrepreneurship, Types and Functions of Entrepreneurs.

Need for promotion of entrepreneurship, Entrepreneurial Environment, Govt. policies for setting-up new small enterprises.

Planning a SSI

What is planning, Types of planning, Importance of planning, Steps in planning.,Steps for starting a small enterprise. ,Commercial Banks and Financial Institutions.

Problems of Small Industries

Power shortages, Project planning, Finance.,Raw materials, Production constraints, Marketing. ,Personal constraints, Regulation., Entrepreneurial Motivation Training, Motivating factors of Entrepreneurs, Achievement Motivation, Institutions assisting entrepreneurs.

REFERENCE BOOKS

Starting your own business, A step-by-step Blue print for the first-time Entrepreneur – Stephen C. Harper, McGraw-Hill

Harward Business Review on Entrepreneurship – Harward Business School Press.

Entrepreneurship Development in small scale – proceedings of National Seminar, DCSSI, New Delhi – Patel, V.G.

Entrepreneurship: Strategies & Resources – Abrams Grant Pass. Oregon: Oasis press.

The Business Planning Guide – David H Bangs, Upstart Publishing Company in Chicago.

Entrepreneurship Development in India – Dr. C.B. Gupta, Dr. N.P. Srinivasan, Sultan Chand & Sons.

Entrepreneurship – Madhurima Lall and Shikha Sahai, Excel Books.

1ST HALF

FASHION FORECASTING (DFT501)

Group – A

Module – I Introduction

What is Forecasting?

What is Business?

What is Fashion cycle?

What is Management and what is Fashion business management?

Concept, branches and systems of business management, types of business organization, Choice and formation.

Module – II Study of fashion & fashion centre

Definition of fashion, Study of various fashion leaders and fashion designers and their latest work.

Module – III Fashion Trend

Study of fashion trend in different countries throughout the world.
Colour trend, Fabric trend, trends of international marketing.
Accessory trend.

Group – B

Module – IV Source of information

Market information sources.
Need of market information systems, marketing research and market research, function and process of market research.

Module – V Study of presentation technique

Sampling, Data sources and collection and analysis, etc.
Preparation of mood/story board, preparation of designer's profile (National & International), Fashion forecast for different seasons (predicting colour and trends).

Reference Books:

1. Fashion from concept consumer by Gini Stephens Springs.
2. Inside fashion design by Sharon Lee Tata.
3. Fashion marketing by Gordon Wills and David Midgely.
4. Fashion Magazines femina, Vogue Clothesline, Harpers Bazaar, Simplicity, Gladrags.

2ND HALF

ACCESSORY DESIGN (DFT501)

Group – A

Module – I Important of Accessories

Importance of Accessories, Type of Accessories, etc. Study of various factors affecting selection of accessories- occasion, material, style, utility, sizes, colour, personality, etc.

Module – II Designing of Accessories

Designing different categories of accessories- Head gear, Scarves, Ties, Hats, Gloves, etc.
Traditional and modern design of different categories of accessories.

Module – III Study of Footwear

Study and manufacturing process of footwear, Properties and Characteristics footwear.
Designing and making of footwear, application of colour & finishes of footwear.

Group - B

Module - IV Bags

Study and manufacturing process of different types of bags, Designing of bags, Shapes, Cuts, Handle, etc.

Module – V Jewellery

Study of manufacturing processes and designing of different types of jewellery such as necklace, neckband, earrings, etc.

Reference Books:

1. Inside fashion design, Sharon Lee Tata
2. Beyond the looking glass: Americas beauty culture, Perutz Caterine, William Morrow and Co.
3. Universe of fashion, Issey Miyake.
4. Fashions of a decade the 1990s, Elane Feldman, Valerie Cumming.

TEXTILE DYEING & PRINTING (DFT-502)

1ST HALF

Module – I Bleaching

Introduction to bleaching-type of bleaching, bleaching with hypochlorides and peroxide, mercerizing-method of mercerizing for yarn and fabric.

Module – II Dyeing

Dyeing of textile: different of dye used for cellulosic, protein and synthetic fibres, their fastness properties, classification of dyes

Study of dyeing process/methods on various textile materials such as cellulosic fibre with reactive and vat dyes, dyeing of protein fibre with acid and basic dyes, dyeing of synthetic fibre with acid, cationic and disperse dyes, Tie & Dye and Bandhni.

2ND HALF

Module – III Printing

Printing of textiles, difference between dyeing and printing, methods and styles of printing, study of various printing process- Block printing, Screen printing, Roller printing, Rotary printing, Flock printing, Fusing, Transfer printing-steaming and curing.

Reference Books:

1. Shenai V.A. Technology of textile processing Vol. III, V, VII & VIII Shevak Publications 1981.
2. Datya K.V., Vaidya A.A. Chemical Processing of synthetic fibres and blends John Wiley & Sons , New York, 1984.
3. Peter R.H. textile chemistry Vol. I & II textile institute, Manchester 1970.
4. Miles L.W.C. Textile Printing dyers Pub. Co. UK, 1981.

HOME TEXTILE/FURNISHING (DFT-503)

1ST HALF

Module – I Introduction

Introduction to Home/Textile furnishing, Definition/Different types of furnishing materials, Woven & Non-woven, Factors affecting the selection of Home furnishing.

Module – II Design

Raw materials of Home textiles.

Study of Basic design, Design ideas for home fashion, Study of Novelty/Fancy yarn and its application in Home fashion.

2ND HALF

Module – III Weaving and Knitting

Study of textile weaving design and its application in Home fashion.

Study of knitting, non-woven and other process.

Study of carpet manufacturing technique.

Module – IV Costing

Study of costing of Home textiles and Home furnishing and specification sheet of Home furnishing.

Brief study of draperies, curtains, bed linens, pillow & pillow covers, comfort covers, etc.

Module – V Recent Trend

Recent trends in Home furnishing.

Reference Books:-

4. Booth J.E. Principle of textile testing, Butter Worths, London, 1983.
5. Grosicki Z.J. Watsons Advanced Textile design and colour Newness Butterworths, London, 1975.
6. Watsons Textile design and colour Newness Butterworths, London, 1975.

PROJECT -I
FASHION DESIGN PROJECT WORK (DFT-504S)

In this semester, students are required to define the problem, analyse potential causes, identify possible solutions, select the best solution, develop an action plan, submit a written report and present the initial progress of the work in a seminar for assessment.

The project consists of identification of material, visit industry, Boutique, collection of materials for garment development, preparation of presentation for drawing flat sketches and design details.

ADVANCE PATTERN MAKING LAB (DFT-505S)

Group – A

Module – I Advanced pattern making

Introduction to Advanced pattern making/ Industrial pattern making.

Study of Style features in children, ladies & men's wear.

Preparation of layouts for children, ladies, men's wear of fabric of different width.

Estimation- dimension & calculation of cloth estimation for various dresses.

Group – B

Module – II Grading practice

Grading practice of paper patterns for children, women, and men's wear.

Preparation of paper pattern for party wears, nightwear, traditional costume, skirt, blouses, pyjamas, sports wear, etc.

Reference Books:

1. Dress pattern designing, Natalie Bray.
2. Pattern Drafting, Crosset and Dunlop.
3. Introduction to pattern cutting, grading and modeling, M. Goul Bourn.
4. Modern pattern design.
5. Flat pattern methods, Haller N.

DRAPING LAB (DFT-506S)

Group – A

Module – I Introduction and preparation basic blocks.

Introduction, basic principle, definition and importance of draping.

Sketching and preparation of basic blocks for men, women and children.

Module – II Dart manipulation

Type of dart and definition of darts, study and practice of dart manipulation, practice of shifting of dart on dress form.

Group – B

Module – III Basic Cut

Practice of basic cuts on bodice block- princess line, yokes, bask and neck lines.

Module – IV Fullness

Disposal of fullness on bodice block- gathers, pleats, cowls and drapes.

Reference Books:

1. Dress design, draping and flat pattern by Hillhouse and Mansfield.
2. Dress pattern Designing by Natalie Bray.
3. Drapery of fashion design by Filde Jeffe, Norie Relas.
4. Draping by Reston Publishing Co. Virginia.

TEXTILE DYEING & PRINTING LAB (DFT-507S)

Module – I Bleaching

Practice of bleaching of cotton, yarn or cloth using hydrogen peroxide.

Module – II Dyeing

Practice of dyeing of cotton, silk- yarn and fabrics.

Module –III Printing

Practice of Block Printing, Screen Printing, batik printing technique, tie & dye.

Reference Books:

1. Fundamental of textiles and care by sushila Dhan Tyagi
2. Chemical Processing of synthetic fibre and blends by Datya K.V. and Vaidya A.A.

HOME TEXTILE/FURNISHING LAB (DFT-508S)

1. Practice of weaves, woven design, colour and weave affect.
2. Practice of making woven products for home furnishing.
3. Preparation of sample files with specification sheets.

INDUSTRIAL TRAINING (DIT-500S)

All the students must undergo at least 2 weeks Industrial training to local / outside company /organisation after completion of 4th semester examination .

A feedback form will be taken from the respective industry which will indicate the students performance during the training and same will be reflected on the grade card of 5th semester.

6th SEMESTER

THEORETICAL PAPERS

1ST HALF

PROFESSIONAL ETHICS & VALUES (DHU-601)

Effects of Technological Growth:

Rapid Technological growth and depletion of resources. Reports of the Club of Rome. Limits to growth; sustainable development. Energy Crisis; Renewable Energy Resources. Environmental degradation and pollution. Eco-friendly Technologies. Environmental Regulations. Environmental Ethics. Appropriate Technology Movement of Schumacher: later developments. Technology and developing nations. Problems of Technology transfer. Technology assessment/ impact analysis; Industrial hazards and safety, safety regulations safety engineering. Politics and technology, authorization versus democratic control of technology; Human Operator in Engineering projects and industries. Problems of man machine interaction. Impact of assembly line and automation. Human centered Technology

Ethics of Profession:

Engineering profession: Ethical issues in engineering practice. Conflicts between business demands and professional ideals. Social and ethical Responsibilities of Technologists. Codes of professional ethics. Whistle blowing and beyond. Case studies.

Profession and Human Values :

Value Crisis in contemporary society. Nature of values: Value Spectrum of a 'good' life
Psychological values: Integrated personality; mental health. Societal values: The modern search for a 'good' society, justice, democracy, secularism, rule of law; values in Indian Constitution. Aesthetic values: Perception and enjoyment of beauty, simplicity, clarity
Moral and ethical values: Nature of moral judgments; canons of ethics; Ethics of virtue; ethics of duty; ethics of responsibility. Work ethics, professional ethics.

REFERENCE BOOKS:

1. Blending the best of the East & West, Dr. Subir Chowdhury, EXCEL
2. Ethics & Mgmt. & Indian Ethos, Ghosh, VIKAS
3. Business Ethics, Pherwani, EPH
4. Ethics, Indian Ethos & Mgmt., Balachandran, Raja, Nair, Shroff Publishers
5. Business Ethics: concept and cases, Velasquez, Pearson

OPTIMIZATION TECHNIQUE (DHU-601)

Introduction to Operation Research & Optimization technique

Linear Programming :

Introduction to linear programming, Formulation, LPP in the standard form, LPP in canonical form, conversion of LPP in standard form to canonical form, procedure of solving LPP by graphical method.

Introduction to Simplex method, Simplex algorithm.

Shortest path **DJKstra** method.

Project Scheduling :

Project scheduling by PERT/ CPM, Decisions and game theory,

Classical optimization theory, unconstrained External problem.

1ST HALF

INDIAN FOLK & TRIBAL HANDICRAFTS (DFT-601)

Group – A

Module –I Folklore

What is Folklore, types of folklore, forms and classification of folklore, schools of folklore, what is folk art and tribal art, concept of tribal art.

Module –II Folk and Tribal painting

Folk and tribal painting-pata painting, Madhubani painting, Kalamkari, Wall painting of Benaras, Warli art various traditional paintings of states- West Bengal, Madhya Pradesh, Chhattisgarh, Maharashtra, Tamil Nadu, Andhra Pradesh, Bihar and Orissa.

Group – B

Module – III Folk and Tribal handicrafts.

Types of handicrafts: Nakshi Kantha, Terracotta, Wood Carving Panel, Dukra, Bamboo & Cane Weaving Textiles: such as- Kashmiri Shawls, Joypuri Textiles, Textiles Tripuri, Manipuri, Naga, Mizos, Assamese, Phulkaris.

Module – IV Tribal Ornament

Various states of tribal ornaments- Tripura, Nagaland, Chhattisgarh, Madhya Pradesh, Kashmir.

Body art- Mehendi.

Reference Books:

1. Folklore of Andhra Pradesh by B Rama Raju.
2. Madhubani Painting by Mulk Raj Anand.
3. Folklore of Madhya Pradesh by Shyam Pradesh.

2ND HALF
COMPUTER AIDED FASHION DESIGN (DFT-601)

Group – A

Module –I Colour and Composition

Introduction to paint, Corel draw and Photoshop.

Create Geometric shape with the help of paint, Corel draw and Photoshop packages.

Create a Motif with the help of thick, zig-zag, thin, dotted lines using paint, Corel draw and Photoshop packages.

Create a colour wheel with primary, secondary and sub-secondary colours.

Module – II Colour and Motifs

Traditional, floral and geometrical motifs.

Create design by changing texture and colour combination.

Group –B

Module – III Figures & Profiles

Design three profiles female figure (front, back and side view). Create silhouette designs.

Design cocktail wears for female, traditional jewellery sets and design accessories for executive wear.

Module – VI Brochure Designing

Brochure designing- logo/label, brochures for design and window display for fashion store.

Reference Books:

1. CAD in clothing and textiles a Collection of expert views by Aldrich. W.
2. Computers in fashion industry by Taylor P.
3. Photoshop 4 Complete by Binder, BPB Publication.
4. Photoshop 4 studio skills. By Moniz, BPB Publication.
5. Teach yours Photoshop 4 by Richards, BPB Publications.

TEXTILE FINISHING (DFT-602)

1ST HALF

Module – I Physical and Chemical

Finishing of textiles: Mercerisation- object- fabric mercerization- uses of silicon in textile finishes- durable/ wash finish by resin, sanforisation process- calendaring- napping- shrinking- crease resistance- embossing.

Module – II Garment Finishing

Garment finishing: Chemicals & enzymes, crinkle affect, softening, acid wash, stone wash, etc.

2ND HALF

Module – III Natural Dye

Natural dyes: History, background and application, awareness of banned dyes and chemicals- German ban.

Reference Books:

1. Finishers and environment solutions, textile institute , Manchester.
2. Harrison. P (Editor), Garment Dyeing Ready to wear fashion from the dye hosue, the textile institute, UK.
3. Marsh J.T. An introduction to textile finishing.
4. Shenai. V.A. technology of textile finishing Sevak Publications, Bombay.

HOME TEXTILE/FURNISHING -II (ELECTIVE)

Group -A

Module – I Interior

Interior textile furnishing- definition, different types of furnishing materials- woven and non woven- factors affecting selection of home furnishing.

Floor coverings- hard floor coverings, resilient floor covering, soft floor covering, rugs, cushion and pads- uses and care.

Module – II Home decoration

Home decoration- draperies- choice of fabric and their application- curtains- types of curtains-difference between curtains and draperies- types of curtains, methods of draperies tucks or pleats.

Group -B

Module – III Furnishing

Living room furnishings- sofa cover, wall hangers, cushion, upholsteries, etc.
Study of Brocade, Tapestry, Velvets designs used for Home furnishing.

Module – IV Surface Ornamentation and forecasting

Study of Advanced printing and surface ornamentation techniques used for home furnishing.

Study of forecasting trends of Fabrics/Textures for home furnishing.

Reference Books:-

1. Booth J.E. Principle of textile testing, Butter Worths, London, 1983.
2. Grosicki Z.J. Watsons Advanced Textile design and colour Newness Butterworths, London, 1975.
3. Watsons Textile design and colour Newness Butterworths, London, 1975.

CLOTHING TECHNOLOGY - (ELECTIVE) (DFT-603/1)

1ST HALF

Module – I Marker Planning

Study of marker planning and types of marker planning technique.

Study of laying plan, types of spreading techniques and study of spreading machine.

Module – II Cutting & Sewing Technology

Technology of cutting- Introduction, study of various types of cutting techniques and cutting machine.

Introduction to sewing, seams, stitches.

Study of sewing needles and sewing threads.

Introduction of sewing machine and their parts, accessories of sewing machine and feeding mechanism of sewing machine.

2ND HALF

Module – II Fusing & Pressing Techniques

Introduction of fusing

Introduction of pressing

Study of alternative joining of fabrics / garments.

Module – IV Quality and cost control in apparel industry

Introduction of quality control in apparel industry

Study of costing of garments in apparel industry

Study of specification sheets of apparel in apparel industry

Reference Books:

1. Introduction to clothing management by Chuter M.J.
2. The technology of clothing manufacture by Carr. H and Latham Barbara.

ACCESSORIES & SURFACE ORNAMENTATION -I (ELECTIVE) DFT -603/2

1ST HALF

Module – I Design development

Designing various types of accessory- head gear, scarf, ties, hats, etc.

Traditional design of accessories and modern design of different categories of accessories.

Study and manufacturing process of footwear, Properties and Characteristics footwear.

Designing and making of footwear, application of colour & finishes of footwear.

2ND HALF

Module - II Bags & Jewellery

Study and manufacturing process of different types of bags, Designing of bags, Shapes, Cuts, Handle, etc.

Study of manufacturing processes and designing of different types of jewellery such as necklace, neckband, earrings, etc.

Reference Books:

1. Inside fashion design, Sharon Lee Tata
2. Beyond the looking glass: Americas beauty culture, Perutz Caterine, William Morrow and Co.
3. Universe of fashion, Issey Miyake.
4. Fashions of a decade the 1990s, Elane Feldman, Valerie Cumming.

6th SEMESTER

SESSIONAL PAPERS

PROJECT -II - FASHION DESIGN PROJECT WORK (DFT-604S)

In this semester, students are required to present a dissertation reporting all the aspects of the work and defend the reports in a seminar arranged for the purpose of final assessment. This project include making of story board, mood board, etc. , calculation of preliminary estimate, project report preparation and finished product of the said project.

GARMENT DESIGNING & DRAPING LAB (DFT-605S)

Module – I Designing & Draping

Design garments on the following themes and drape the same on dummies: -

Nature theme

Historic theme

Color theme

Line theme

Step-up style theme

Reference Books:

1. Dress design, draping and flat pattern by Hillhouse and Mansfield.
2. Dress pattern Designing by Natalie Bray.
3. Drapery of fashion design by Filde Jeffe, Norie Relas.
4. Draping by Reston Publishing Co. Virginia.

COMPUTER AIDED FASHION DESIGN LAB (DFT-606S)

List of experiments:

1. Grading the patterns for different sizes
2. Creating of patterns from spec sheet for woven & knitted garment
3. Design a pattern, grading & marker planning using CAD for the following garments:
 - a) Men's shirt, b) Men's T-shirt, c) Pants, d) Skirt & Top, e) Children's night wear.

CLOTHING TECHNOLOGY - (ELECTIVE) LAB (DFT-607/1S)

1. Practice of marker planning and laying plan of material for clothing construction.
2. Practice of taking body measurement of different size.
3. Practice of making drafting of different parts of various garments.
4. Practice of cutting of different materials varying with width, thickness and weight.
5. Practice of bundling different parts of a garment with chinks mentioning lot number and style number.

ACCESSORIES & SURFACE ORNAMENTATION -I (ELECTIVE) LAB
(DFT-607/2S)

1. Practice of application of appliqué, practice of surface decoration on suitable garments,
2. Method of making bias tubing and fixing beads, mirrors, etc. on garments.
3. Practice of preparing various handbags and hats.

GENERIC SKILL(DHU-600S)

Each class may be divided into two groups. Each group may meet once a week and discuss topics mentioned below under.

Professionalism: Professional characteristics, professional education, professional development in Industry.

Values and Ethics in Profession: Value system- goodness, means and ends; Ethics-ethical premises, expectations, conflicts and practices; Moral and ego, Ethics and morality.

Right, virtue, ethics and justice, utility and justice; Privacy, Challenges to privacy, Privacy on the Internet.

Professional Competence: Important technical topics covered in Semesters II-V as well as topics of current professional interest.

Books:

1. Ethics and Engineering ----by Martin and Schinizer, TMC.
2. Issues and Ethics—by Correy G.Correy , Brooks & Cole Pub.
3. Ethics and Professionalism ---by John Kultgen
4. Ethics and the conduct of business-- by John R.Boatright, PE.

FINAL V I V A (DFT-608S)
Total Marks : 50 , credit :2

C O U R S E C O N T E N T

The syllabi of all the theoretical and Sessional subjects taught in the 3years/ 6(six) Semesters of diploma education.

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