

ALAGAPPA UNIVERSITY

(Accredited with A+ Grade by NAAC (CGPA: 3.64) in the Third Cycle, Graded as Category-I University and granted autonomy by MHRD-UGC)

DIRECTORATE OF COLLABORATIVE PROGRAMMES



Diploma in Fashion & Apparel Designing

Regulations and Syllabus

[For those who join the Course in July 2023 and after] CHOICE
BASED CREDIT SYSTEM

REGULATIONS

NAME OF THE PROGRAMME : DIPLOMA IN FASHION & APPAREL DESIGNING

ELIGIBILITY: A Pass in a Higher Secondary Examination (HSC) conducted by the Government of Tamil Nadu, or an examination accepted as equivalent there to by the Syndicate for admission to Diploma in Fashion & Apparel Designing

PATTERN: Semester

DURATION: The course for the Full Time students shall extend over a period of Two Years.

The duration of the Course will be about 340 days. The subjects of study shall be in accordance with the syllabus prescribed from time to time.

CONTINUOUS INTERNAL ASSESSMENT:

The respective course faculty will continuously assess the performance of students in each course. The continuous internal assessment marks shall be awarded by the concerned course faculty based on the performance of the students in case studies, paper presentations, quizzes. Practical, tests and other assignments.

ATTENDANCE:

Students who secure at least 80% of attendance in the year will only be eligible to appear for the examination of that year. Those who fail to secure the required attendance shall repeat the same year/ course during the subsequent academic year.

UNIVERSITY EXAMINATIONS:

The University examinations will be held at the end of the semester for a duration of three hours for each subject.

EVALUATION OF ANSWER PAPERS:

Answer papers of the University examinations shall be subjected to evaluation by a Board of Examiners constituted by Alagappa University.

PASSING MINIMUM:

The passing minimum for the University examination is 50% of the total marks of the university examination in each subject. The overall passing minimum is 50% both in the external and aggregate of Internal and external in each subject. There are no minimum prescribed marks for passing in the internal assessment

CLASSIFICATION: Their classification of marks will be as follows.

60% and above	- I Class
50% to 59%	- II Class

AWARD OF DIPLOMA:

Students who successfully complete the programme within the stipulated period will be awarded Diploma in Fashion and Apparel Designing.

COURSE COMPLETION:

Students shall complete the programme within a period not exceeding 5 years from the year of completion for the period of study

MISCELLANEOUS

- a. Each student possesses the prescribed text books for the subject and the workshop tools as required for theory and practical classes.
- b. Each student is issued with an identity card by the University to identify his / her admission to the course
- c. Students are provided library and internet facilities for development of their studies.
- d. Students are to maintain the record of practical's conducted in the respective laboratory in a separate Practical Record Book and the same will have to be presented for review by the University examiner.
- e. Students who successfully complete the course within the stipulated period will be awarded the degree by the University.
- f. The Internship / Project (any other viva-voce) where an external examiner is assigned from the university, there may be changes in the exam dates as per the availability of the External Examiner.

FEE STRUCTURE

Course fee shall be as prescribed by the University and 50% of the course fee should be disbursed to University. Special fees and other fees shall be as prescribed by the Institution and the fees structure must be intimated to the University. Course fees should be only by Demand draft / NEFT and AU has the right to revise the fees accordingly. **Semester Pattern**

Pattern	Course Fee payment deadline
Semester	Fee must be paid before 10 th February of the academic year

Other Regulations:

Besides the above, the common regulation of the University shall also be applicable to this programme.

Industrial Exposure:

Industrial internship 2 week per semester.

DIPLOMA IN FASHION & APPAREL DESIGNING

Course – Diploma in Fashion and Apparel

Designing Duration – Two Year

Eligibility – Higher Secondary

Examination (HSC) **Medium-** English

DIPLOMA IN FASHION AND APPAREL DESIGNING

Subject Code	Title of the Subject	T/P	Credit	Hours	Int.	Ext.	Total
SEMESTER -I							
81511	Introduction To Textiles	T	3	5	25	75	100
81512	Fundamentals Of Fashion	T	3	5	25	75	100
81513	Basic Fashion Illustration–Practical	P	3	5	25	75	100
81514	Basic Patternmaking-Practical	P	3	5	25	75	100
81515	Fundamentals of apparel construction-Practical	P	3	5	25	75	100
81516	Internship Viva-I	I	3	5	25	75	100
TOTAL		-	18	30	150	450	600
SEMESTER -II							
81521	Fashion Retailing	T	3	3	25	75	100
81522	Business communication and IT Skill	T	3	3	25	75	100
81523	Computer Aided Designing–Practical- I	P	2	4	25	75	100
81524	Advanced Fashion illustration -Practical	P	2	5	25	75	100
81525	Patternmaking& garment construction for women’s apparel-Practical	P	2	5	25	75	100
81526	Textile wet processing-practical	P	2	5	25	75	100
81527	Internship Viva-II	I	4	5	25	75	100
TOTAL			18	30	175	525	700

Subject Code	Title of the Subject		Credit	Hours	Int.	Ext.	Total
SEMESTER -III							
81531	Apparel Tools And Machineries	T	3	3	25	75	100
81532	Apparel Production Technology	T	3	3	25	75	100
81533	Fashion Merchandising And Marketing	T	2	4	25	75	100
81534	Pattern Making & Garment Construction For Men's And Kid's Apparel-Practical	P	2	5	25	75	100
81535	Computer Aided Designing-Practical -II	P	2	5	25	75	100
81536	Surface Ornamentation Techniques-Practical	P	2	5	25	75	100
81537	Internship Viva-III	I	4	5	25	75	100
TOTAL			18	30	175	525	700
SEMESTER-IV							
81541	Apparel Costing and Documentation	T	3	3	25	75	100
81542	Apparel Quality Control	T	3	3	25	75	100
81543	Textile testing-Practical	P	4	8	25	75	100
81544	Fashion Portfolio-Practical	P	4	8	25	75	100
81545	Internship project	PR	4	8	25	75	100
TOTAL			18	30	125	375	500
Grand Total			72	120	625	1875	2500

SEMESTER -I					
Course Code 81511	DFAD	Introduction To Textiles	T	Credits:3	Hours:5
Objective	<ul style="list-style-type: none"> • Impart knowledge on the fiber classification and Characteristics. • To learn the fiber production, properties and uses. • To teach the conversion method of fiber in to yarn. • To improve the knowledge in woven fabric production and cloth analyses • To understand the knitted fabric production, Analyses the structure and non-woven fabric applications 				
UNIT -I	Fiber: Introduction to the field of textiles-classification of fibers–natural and manmade–primary and Secondary characteristics of textile fibers.				
UNIT -II	Fiber manufacturing process and its properties: Manufacturing process, properties and uses of natural fibers – cotton, linen, Jute, sisal, silk, wool fibers, man-made fibers –Viscose rayon, nylon, polyester, acrylic.				
UNIT -III	Yarn manufacturing Process: Spinning –Definition and classification; Chemical and mechanical spinning. Flow chart of ring spinning process – Blow room, carding, combing, drawing, roving, spinning and cone winding. Yarn - Definition and classification- simple and fancy yarns. Yarn count and twist.				
UNIT -IV	Woven fabric production process: Weaving Introduction, Elements and components of a simple loom; Essential weaving operation. Classification of looms and its advantages - Types of shuttle less looms–Rapier–Projectile–Air jet –Water jet. Basic Weaves and its properties– Plain weave, Twill, Satin and Sateen weave structures.				
UNIT -V	Knitted & Nonwoven fabric manufacturing process: Knitting introduction-classification of weft& warp knitting-elements of knitting-comparison between knitting and weaving, knitted fabric and woven fabric. Working process of single and double jersey machines. Type’s knitting needles and stitches (knit, tuck, and miss stitch).Types of knitted structures-plain, rib purl and interlock. Knitted fabric defects– causes and remedies. Introduction and application of Non woven fabric.				
Outcomes:					
Recall about the Textile fibers and its characteristics. <i>Questions: Arrange, Choose, Define, Describe, Find, How, List ,Match, Name, Relate, Recall, Show, What, Why</i>					K3
Understanding about various fibers properties and its applications. <i>Questions: classify, compare, convert, Explain, Express, Outline, Relate, Show, Summaries</i>					K2
Able to choose they arnsuit ability of selected end use. <i>Questions: Arrange, Choose, Define, Describe, Find, How, List, Match, Name, Relate, Recall, Show, What, Why</i>					K1
Understand and analyses the various types of woven fabrics. <i>Questions: classify, compare, convert, Explain, Express, Outline, Relate, Show, Summaries</i>					K4
Understandthefabricpropertiesandanalysesthevarioustypesofknittedfabrics. <i>Questions: Arrange, Choose, Define, Describe, Find, How, List, Match, Name, Relate, Recall, Show, What, Why</i>					K4

Reference & Text Books

P.V.Vidyasagar, (2005).“Hand Book of Textiles”, A.Mittal Publications
Bernard P.Corbman,(1983).“Textiles Fiber to Fabric” Mc Grawhill Publications.
GanapathyNagarajan,(2014).TextileMechanismsinSpinningandWeavingMachines,
Wood head Publishing India in Textiles.
Fannin, Allen. A, (1998). Hand loom weaving technology, Greeneditorial,
W.S.Murphy, (2003).“Textile Weaving &Design”, Abhishek Publication,
Anbumani,(2006).Knitting Manufacture Technology ,New Age International, Chennai.
David J.Spencer Knitting Technology Wood head Publication Ltd.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websitesetc.]

<https://textilelearner.net/category/fiber/>
<https://textilestudycenter.com/category/yarn-engineering/>
<https://fashion2apparel.blogspot.com/2017/07/classification-loom.html>
<http://textilefashionstudy.com>
<https://www.textileschool.com/textiles/fabric/non-woven/>

SEMESTER -I					
Course code (81512)	DFAD	Fundamentals of fashion	T	Credits:-3	Hours:-5
Objectives	<ul style="list-style-type: none"> To gain basic knowledge about design and elements to be applied Impart knowledge on design application and principles To learn about standard color Harmonies To learn about fashion terminologies and profiles Pre-planning and execution about ward robe. 				
UNIT -I	Traditional Textiles of India. Design: Definition, Types of design-Structural and Decorative Design. Elements of Design- Line, Shape, Form, Colors, and Texture.				
UNIT -II	Principles of design: Balance its types - Formal and Informal, Rhythm its types – through repetition, radiation and gradation, Emphasis its types -, Harmony its types – line, shape and Idea, Proportion its types-good and bad proportion.				
UNIT -III	Introduction to color: color theories- Prang color chart system. Dimensions of color- Hue, Value and Intensity. Standard color harmonies-Related and contrasting color harmony.				
UNIT -IV	Introduction to Fashion- Fashion terminologies- Style, fad, classic, and collection, chic ,custom-made, mannequin, fashion show, trend, forecasting, high fashion, fashion cycle, haute Couture, couture and couturier. Fashion director, fashion editor, line, knock-off, Avant grade, Bridge jewellery, apparel and pret-a-porter.				
UNIT -V	Introduction to Fashion accessories, trimmings and decoration. Wardrobe planning for different age groups, factors in fluencing ward robe selection, Fashion and season, Designing dresses for different occasions–business meetings, parties /dinners, evenings/ leisure hours, marriage functions, sports, uniforms for civil service, airhostess, schools – girls and boys(School, high school).				
Outcomes:					
Recalling design types and its elements implements Questions:-what, Explain, Describe, Define					K1
To understand about Principles of Design Questions:-what, Explain, Describe, Define					K3
Creating prang color chart and value & intensity chart. Questions:-what, Explain, Describe, Define					K4
Creating new design with current trend application and knowledge about designer & buying house. Questions:-what, Explain, Describe, Define					K3,K6
Analyzed about wardrobe selection Questions:-what, Explain, Describe, Define					K2
Text Book(s)					
Fashion Sketch Book –Bina A bling, Fair Child Publications, NewYorkWardrobe,1988. Art and Fashion in Clothing Selection–McJimsey and Harriet, Iow a State University Press,Jowa,1973.					
Reference Books					
Fashion From Concept To Consumer–Frings Gini Stephens, PearsonEducation,US,1998. InsidetheFashionBusiness–KittyG.Dickerson,Pearson Education,US,2007. The Fundamentals of fashion–Richardsorger. The Fashion Designer survival guide-Marygehlhar.					

RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]

<https://www.apparesearch.com/terms/index.htm>

<https://www.instyle.com/fashion>

<https://prezi.com/1tlwgnhviqs-/fashion-elements-and-principles-of-design/>

www.brainkart.com

<https://www.bloomsbury.com/uk/fundamentals-of-fashion-design>.

SEMESTER -I					
Course Code:81513	DFAD	Basic Fashion Illustration	P	Credits:3	Hours:5
Objectives	<ul style="list-style-type: none"> To study the drawing objective To understand the Designing Garment and Prang Color chart To Illustrate The Facial Features To Create Ornaments and Accessories Illustrate the Head Theory 				
UNIT -I	Perspective view drawing and objective drawing. Enlarging and Reducing Motifs				
UNIT -II	Shading–on garments with different types (children’s, men’s, women’s) For the above experiment of PRANGCOLOR CHART through “Watercolor, Poster color.”				
UNIT -III	Illustrate facial features–eyes, lips, ears, Illustrate Human Figures hands and legs. Illustrate Hair style				
UNIT -IV	<ul style="list-style-type: none"> Ornaments (any two) Drawing of accessories. <ol style="list-style-type: none"> Hat Belt Footwear Bag 				
UNIT -V	Illustrate the head theory (8”) children’s (Boy & Girl)				
Outcomes:					
To understand the Drawing spectacles Questions: To draw, To illustrate					K1
To Understand the designing of garment and color chart Questions: To draw, To illustrate, To color, To shade					K2
Illustrations Facial Features and Hair Style. Question::To draw, To illustrate					K3
Illustrations about various Accessories Question: :To draw, To illustrate					K4
Illustrations about multi coloring methods. Question::To draw, To illustrate					K5
Reference &Text Books					
Patrik JohnIrel and Bats ford Ltd; edition1982, Fashion design drawing and presentation. Caroline Tatham,JulianSeamanBarron'sEducationalSeries;2011,Fashiondesign drawing course Alexandra Suhner Pepin Press 2012, Technical Drawing for Fashion Design Vol. 2: Garment Source Book(Fashion Textiles) By Kathryn Hagen 2004 by Prentice Hall, Fashion illustration for designers ByBinaAbling2000 by Prentice Hall, Fashion Rendering with Color M.KathleenCollussy,SteveGreenberg2008byPrenticeHall,Fabrics&Printsdesigns 2nd Edition					
Related Online Contents[MOOC,SWAYAM, NPTEL, Websites etc.					
www.rituberi.com www.manishmalhotra.in www.rohitbal.com www.benetton.com www.leecooper.com					

SEMESTER -I					
Course Code:81514	DFAD	Basic Pattern Making	P	Credits:3	Hours:5
Objectives	<ul style="list-style-type: none"> To know the measurement and techniques To learn how to draft a pattern To implement pattern in fabric layout To draft about basic patterns To create a allowances forgiven measurements 				
UNIT -I	Body measurement – importance, preparing for measuring, ladies measurements, boys and men’s measurements. Standardizing body measurements – importance, techniques used. Relative length and girth measures				
UNIT -II	Pattern making–method of pattern making–(Drafting and draping), merits and demerits. Types of paper patterns (Patterns for personal measurements and commercial patterns)				
UNIT -III	Pattern layout-definition, purpose, rules in layout, types of layouts for length wise tripped designs, fabric with bold design, a symmetric designs, and one way designs.				
UNIT -IV	Introduction to pattern drafting- Basic instruction for belt, collar, sleeve				
UNIT -V	Introduction for design alterations and including seam and ease allowances				
Outcomes:					
The various measurements are used Questions: To use, to calculate					K1
Understand the pattern types Questions: To create, to use					K2
Learned about pattern layout Questions :To mark, To measure					K3
Learned about patterns out lines Questions: To draft, measure					K4
To learned about basic alteration Questions: To alter, To give					K5
Reference & Text Books					
GayatriVermaandKapilDev,“Cuttingandtailoringcourse”,ComputechPublications,2009. ShriK.R.Zarapkar, “System of cutting”, Navneet Publications(INDIA)limited,2010. Mary Mathews, “Practical clothing construction”, Printed by Bhattarams, Copyright1995					
Related Online Contents[MOOC,SWAYAM, NPTEL, Websitesetc.]					
http://www.go-woman.com/wpcontent/uploads/factsheets/FREE_Sewing_Book.pdf					
http://brittlebooks.library.illinois.edu/brittlebooks_open/Books2009-					
http://buc.edu.in/sde_book/fashion_design.pdf					
http://cbseacademic.in/web_material/doc/fashion_studies/3_XII_Text_Book.p					

SEMESTER -I					
Course Code: 81515	DFAD	Fundamental Of Apparel Construction	P	Credits:3	Hours:5
Objectives	<ul style="list-style-type: none"> To stitch a samples for basic finishes To create samples for basic garment outlines To create a samples To create a samples with variation To create a samples with variation 				
UNIT -I	Preparation of samples for seam (any 5)-plain, Top Stitched, Flat fell, piped seam. Preparation of samples for seam finishes (any3)- overcast, Hem, Edge stitched, bound...				
UNIT -II	Preparation of samples for fullness-darts, tucks - pin, group tucking, Pleats - knife, box, gathering by machine, elastic. Ruffles-single, double. Preparation of samples for facing and binding –bias facing, shaped facing, binding.				
UNIT -III	Preparation of samples for plackets and fasteners-zipper plackets, Tailored Placket, button and button hole, press button, hook and eye.				
UNIT -IV	Preparation of samples for sleeves – plain sleeve, puff sleeve, raglonorcap sleeve. Preparation of samples with yoke –simple yoke, yoke supporting fullness.				
UNIT -V	Preparation of samples for collar –Peter Pancollar, shirt collar. Preparation of samples for pocket-Patch Pocket, Bound Pocket.				
Outcomes:					
The various garment components like seam and seam finishes. Questions: To create, To stitch					K1
The various garment components like fullness. Questions: To create, To design					K2
The various garment components like plackets, fasteners. Questions: To create, To design					K3
The various garment components like sleeves, yoke. Questions: To create, To design					K4
The various garment components like collar and pocket Questions: To create, To stitch					K5
Reference & Text Books					
GayatriVermaandKapilDev,“Cuttingandtailoringcourse”,ComputechPublications,2009. ShriK.R.Zarapkar, “System of cutting”, Navneet Publications(INDIA)limited,2010. Mary Mathews, “Practical clothing construction”, PrintedbyBhattarams, Copyright1995					
Related Online Contents[MOOC,SWAYAM, NPTEL, Websites etc.]					
http://www.go-woman.com/wpcontent/uploads/factsheets/FREE_Sewing_Book.pdf					
http://brittlebooks.library.illinois.edu/brittlebooks_open/Books2009-					
http://buc.edu.in/sde_book/fashion_design.pdf					
http://cbseacademic.in/web_material/doc/fashion_studies/3_XII_Text_Book.p					

Course Code: 81516
INTENSHP VIVA-I

SEMESTER -II					
Course code 81521	DFAD	Fashion Retailing	T	Credits:- 3	Hours:-3
Objectives	<ul style="list-style-type: none"> • To learn Fashion retailing and application • Impart knowledge on Merchandising and Designer boutiques • To learn visual merchandising and Accessories display Managing • To teach fashion Retail promotion strategy • Requirements of fashion advisor and stylist. 				
UNIT -I	Fashion retailing- Definition, Concept, Importance, Functions –Retail Location-Factors Affecting location decision. Fashion department- classification, decorative and functional surface materials. Fashion retailing environment- store location, site selection, trends in store location, small store application.				
UNIT -II	Retailing Functions – Merchandising, Store operations, Marketing, Sales Promotion, Finance, Human resources Organizations – Shopping Centers – Traditional Malls, Value centers, Outlet Malls. The small stores, The large stores, Store with in a store – In store designer boutiques. Retail Buying – Buyer’s role, Duties & responsibilities of a retail buyer.				
UNIT -III	Visual Merchandising - Definition, Concept, Importance; Store Planning – Store Image, Target Customers, Seasonal Visual merchandising, Store Design – (1) Windows – Special event windows, Fashion message windows, Direct-sell windows; (2) Interiors - Apparel fixtures, Folding and stacking, Accessories display Managing - Mannequins, Standards Manuals.				
UNIT -IV	Retail promotion strategy: Promotion mix selection, advertising, media selection, sales Promotion, personal selling and publicity. Relationship marketing in retailing: Evolution of relationship marketing, relationship marketing strategies in retailing.				
UNIT -V	Style Advising in Fashion Retail: Introduction- Fashion Advisor-Role of fashion adviser- Need of Fashion Advisor- Requirements for Becoming Fashion Advisor/ Fashion Stylist- ComponentsofFashion Advising- Fashion Designer.				
Outcomes:					
Identify the scope of fashion retail industry. Questions: Define, Describe, Explain, Analyze.					K1
Implements in Marketing, Retail Buying, Duties & Responsibilities Questions: Define, What, Explain, Find, Describe.					K3
Impacts in Store Design, Definition, Concept, Importance and customers target Questions: Define, Explain, Find, Describe					K4
Application and knowledge about advertising, media selection, relationship marketing strategies Questions: Define, Explain, Find, Describe					K5
Knowledge about fashion stylist and role. Questions: Define, Explain, Find, and Describe, Recall.					K2
Text Book(s) & Reference Books					
Fashion Sketch Book – Bina Abling, Fair Child Publications, New York Wardrobe, 1988.					
Fashion Styling -Jacqueline McAssey (Author), Sophie Benson (Author), Clare Buckley(Author).					
Fashion From 1. Gibson G. Vedamani., “Retail Management Functional Principles & Practices”, Third Edition, Jaico Publishing House, 2003, ISBN -10:81-7992-151-4 2.					
Martin.M. Pegler., “Visual Merchandising and Display”, (fifth edition), Fair Child Publications, 2011, ISBN 10: 1563674459					

Bhalla, S., and Anurag S., 2010. Visual Merchandising. Tata McGraw-Hill Education
Morgenstein, Melvin and Strongen, H., 1983. Modern Retailing Principles and Practices. John Wiley & Sons. •
Dr. Pentecost, R., and Dr. Andrews, L., 2010. Fashion Retailing and the Bottom Line. QUT Digital Repository
Diamond, E., 2006. Fashion Retailing: A Multi-channel Approach, Volume 1. 2nd ed. Pearson Prentice Hall.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

<https://www.fibre2fashion.com/industry-article/3460/visual-merchandising-the-changing-scenario>
<https://www.bloomsbury.com/us/fashion-styling-9781350241848/www.brainkart.com>

SEMESTER -II					
Course Code 81522	DFAD	Business Communication and IT Skills	T	Credits:- 3	Hours:-3
Objectives	<ul style="list-style-type: none"> To teach the different types of E commerce and its advantages & disadvantages To teach the human values, post thinking & personality development To gain basic knowledge about communication To impart knowledge about Commercial letters & Essay writing To gain knowledge in mass media, drafting reports and create business letters 				
UNIT -I	Business Communication: Introduction– Definition- Specific objectives of business communication.Methods of communication. Types / Kinds of business communication - barriers to communication.				
UNIT -II	Nature and scope of Business English- Introduction, meaning – Importance – Characteristics of good commercial letters. Essay writing – introductory remarks and hints on essay writing.				
UNIT -III	Mass Media In Communication: Definition of mass media – Types of mass media. Drafting Of Business Reports: Definition – Kinds of Reports. Drafting of Speeches – Listening skill, introductory remarks Letter writing: Classification of Letters - Functions of business letters.				
UNIT -IV	E-Commerce: Definition – Different types of E-Commerce – Advantages of E-Commerce – Disadvantages of E- commerce.				
UNIT -V	Morale – Ethics – Human values – post thinking & goal setting – Problem solving and decision making – Time management - Personality development				
Outcomes:					
Student can apply the knowledge by speaking confidently and communicating effectively in different business situations. Questions: Define, Explain, Find, and Describe, Recall.					K1
Student can understand the commercial letters and to make an essay writing. Questions: Define, Explain, Find, and Describe.					K3
The student creates and designs different letter formats effectively in a realistic way with reference to organizational goals. Questions: Define, Explain, Find, and Describe, Recall.					K4
Students understand and applying the concept of Ecommerce. Questions: Define, Explain, Find, and Recall.					K6
Student can understand about the human values, problem solving, decision making & time management. Questions: Define, Explain, Analyse.					K2
Reference & Text Books					
Business Communication by N.S.Raghunathan & B.Santhanam – Margham Publication. Chaturvedi. P.D.Chaturvedi.M - Business Communication concepts, Cases and applications - Pearson's Education Kaul, Asha: Business Communication: Prentice-Hall of India, Delhi Sharma, Sangeeta and Binod Mishra. Communication Skills for Engineers and 1. Scientists: PHI Learning Pvt. Ltd., New Delhi					
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]					
https://www.geektonight.com/business-communication-pdf-notes/					
https://bbamantra.com/business-communication-introduction/					
https://www.icsi.edu/media/webmodules/CSEET/BUSINESS_COMMUNICATION_printable.pdf					

SEMESTER -II					
Course Code 81523	DFAD	Computer Aided Designing	P	Credits:2	Hours:4
Objectives	<ul style="list-style-type: none"> To create a Motif and Logo design To Create the Following Designs for a Children's Create the Following Designs for a Woman's Create the Following Designs for a Men's Create the Following Ornaments and Accessories 				
UNIT -I	Designs for Handkerchief Neckline Designs Chest Prints for T-shirts with color separation Create logos & label for branded companies				
UNIT -II	Bib Jabla Baba SuitFrock T-Shirt with Bermuda				
UNIT -III	Salwar Kameez Midi and Top Princess line Dress House coat Apron				
UNIT -IV	S B Vest Shirt and Pant Kurta and Pyjama				
UNIT -V	Ornaments – Set of ear ring and chain Accessories – Set of Handbag, Hat, and footwear.				
Outcomes:					
Understand the Basic Motif and Logo design Questions: To create , To design					K1
Learned about children's garment design Questions: To create , To design					K2
Learned about Women's garment designs Questions: To create , To design					K3
Learned about Men's garment designs Questions: To create , To design					K4
Learned about Ornaments and Accessories Questions: To create , To design					K5
Reference & Text Books					
Chris Spear, "System Verilog for Verification", Springer (2012) P N Rao, "CAD/CAM: Principles and Applications Paperback", McGraw Hill Education, (2017) Cheryl R. Shrock, "Beginning Autocad Exercise Book", (2010)					
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]					
https://www.glamsen.se/CadTools.htm https://textilelearner.net/list-of-cad-cam-software/ www.coreldraw.com/en/product/corel-cad					

SEMESTER -II

Course Code 81524	DFAD	Advanced Fashion Illustration	P	Credits:2	Hours:5
Objectives	<ul style="list-style-type: none"> • Create 10 & 12 Head Theory • Create Occasional and Seasonal Wear • Create Party Wear With Suitable Background • Create Office Wear With Suitable Background • Create Bridal Wear and Theme based Garments 				
UNIT -I	Illustrate head theory for Men, Women-10 & 12 head				
UNIT -II	Illustrate occasional wear for Men & Women Illustrate seasonal wear for Men & Women				
UNIT -III	Men and Women illustration on the background of Party wear				
UNIT -IV	Men and Women illustration on the background of Office wear				
UNIT -V	Illustrate bridal wear with suitable backdrop Illustrate theme based garments for men and women				
Outcomes:					
Understand about head theory Questions: To Illustration , To Draw					K1
Learned about Occasional and Seasonal Wear Questions: To Illustration , To Draw					K2
Learned about Party Wear Questions: To Illustration , To Draw					K3
Learned about Office Wear Questions: To Illustration , To Draw					K4
Learned about Bridal wear and Theme Based Garments Questions: To Illustration, To Draw					K5
Reference & Text Books					
Patrik John Ireland Batsford Ltd; edition 1982, Fashion design drawing and presentation Caroline Tatham, Julian Seaman Barron's Educational Series; 2011, Fashion design drawing course By Kathryn Hagen 2004 by Prentice Hall, Fashion illustration for designers By BinaAbling 2000 by Prentice Hall, Fashion Rendering with Color Alexandra Suhner Pepin Press 2012, Technical Drawing for Fashion Design Vol. 2: Garment Source Book (Fashion Textiles)					
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]					
www.rituberi.com www.manishmalhotra.in www.rohitbal.com www.benetton.com www.leecooper.com					

SEMESTER -II					
Course code 81525	DFAD	Pattern Making & Garments Construction For Women's Apparel	P	Credits:- 2	Hours:-5
Objectives	<ul style="list-style-type: none"> To stitch a skirt models To stitch a top and blouse with variation To stitch a pant for women To stitch a kameez/kurta To stitch a maxi with yoke and sleeve 				
UNIT -I	Saree Petticoat- Six Panel, Decorated bottom. (Draft a pattern) Skirts – Circular/umbrella/panel with style variations. (Draft a pattern)				
UNIT -II	Middi Top- With or without collar, decorative neck, with/without yoke, sleeve variation (Draft a pattern) Blouse- front open, Fashioned neck, Waist band at front, with sleeve. (Draft a pattern)				
UNIT -III	Ladies pant (2) - 1. waist band, zip attached, tight fitting / parallel pants (Draft a pattern) 2. Salwar (or) Churidhar (or) Parallels (or) Bell Bottom (Draft a pattern)				
UNIT -IV	Kameez/Kurta – with side open and slit, with sleeve, with /without yoke, with or without collar (Draft a pattern)				
UNIT -V	Maxi– Decorative neck, with/without yoke, with/without sleeve, hem line variation, full length. (Draft a pattern)				
Outcomes:					
Pattern drafted and stitched a petticoat and skirt Question: Measure, Draft, cut, stitch					K1
Pattern drafted and stitched a middi top and blouse Question: Measure, Draft, cut, stitch					K3
Pattern drafted and stitched a ladies pant Question: Measure, Draft, cut, stitch					K4
Pattern drafted and stitched a kurta with open Question: Measure, Draft, cut, stitch					K6
Pattern drafted and stitched a maxi Question: Measure, Draft, cut, stitch					K2
Reference & Text Books					
Rina V Ivanova, “ How to Draw Women’s Wear ”, ART DESIGN PROJECT, Incorporated (2019)					
Michelle Pye, “ Ladies Couture Tailoring ”, Crowood Press (2021)					
Shannon Burns-Tran, Jenny B. Davis, “ Style Wise ”, Bloomsbury Academic (2018)					
Shri K.R. Zarpkar, “System of cutting”, Navneet Publications (INDIA) limited,2010.					
Mary Mathews, “ Practical clothing construction ”, Printed by Bhattarams, Copyright 1995					
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]					
http://www.go-woman.com/wpcontent/uploads/factsheets/FREE_Sewing_Book.pdf					
http://brittlebooks.library.illinois.edu/brittlebooks_open/Books2009-					
http://buc.edu.in/sde_book/fashion_design.pdf					
http://cbseacademic.in/web_material/doc/fashion_studies/3_XII_Text_Book.p					

SEMESTER -II				
Course Code 81526	DFAD	Textile wet processing	P	Credits: 2 Hours:5
Objectives	<ul style="list-style-type: none"> To teach the process sequence of processing industry and desizing process. To teach scouring objects, mechanism & process. To teach about the bleaching objects, types and bleaching process To impart the knowledge in dyeing process and selection dyes. To learn the procedure, styles and types of printing 			
UNIT -I	Introduction about textile wet processing. Desizing – objects and methods. Desizing of given fabric by acid desizing method			
UNIT -II	Scouring – objects and mechanism. Scouring of given fabric by using suitable agent			
UNIT -III	Bleaching – objects and types of bleaching Bleaching of given fabric by using suitable agents (hypochlorite and hydrogen peroxide)			
UNIT -IV	Dyeing – introduction, Classification of dyes Dyeing of given fabric by using below mentioned dyes Direct, Acid, Reactive, Disperse & vat			
UNIT -V	Printing – Introduction, Styles & types of printing Printing of given fabric by the following types of printing Screen printing, Stencil printing , Block printing , Tie & Dye			
Outcomes:				
Understand the techniques and apply it on the grey cloth. Question; Define, Analyze, Apply.				K3
Students can understand the scouring mechanism and apply it on the fabric. Question; Define, Analyze, calculate.				K2
Understand the importance of bleaching process and apply the concept on the fabric by using suitable agents Question; Analyze, Apply.				K1
To enable the students to understand the dyeing techniques and prepare the sample by using different dyes. Question; Define, Analyze, Calculate.				K4
Able to prepare print samples by using suitable pigments. Question; Determine, Analyze Apply.				K5
Reference & Text Books				
Cent Prayag R.S. (1983), The Bleaching and Dyeing of Cotton Material, Weaver's Service Cent. Shenai V.A. (1979) Technology of Textile Processing, Vol.4 Technology of Printing Edn. 2. Shenai V.A. (1981), Technology of Textile Processing Vol.3 Technology of Bleaching Edn. 3. Nalankilli.G., Chemical Preparatory Process, NCUTE Publication, New Delhi				
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]				
https://textilelearner.net/flow-chart-of-textile-wet-processing/ https://www.dspatextile.com/2022/05/textile-wet-processing.html https://www.fibre2fashion.com/industry-article/1668/modern-textile-preparatory-processes-using-enzymes https://www.textileblog.com/typical-dyeing-process/ https://www.textileschool.com/8416/textile-printing-process-type-of-printing-and-machinery/				

Course Code 81527
INTENSHIP VIVA-II

SEMESTER - III					
Course code 81531	DFAD	Apparel Tools and Machineries	T	Credits:- 3	Hours:-3
Objectives	<ul style="list-style-type: none"> • To gain basic knowledge about Spreading methodology • To impart knowledge about Cutting technology and its functions • To gain knowledge in sewing machinery and types • To teach about sewing machine parts and its usage • To teach about purpose of pressing and packing 				
UNIT -I	Spreading Methods: Spreading – its Methods, Types of Spreads and its Quality. Requirement of Machinery, Equipment and tools. Marking Methods and its types – Position Marking – Notches – Drills.				
UNIT -II	Cutting Technology: Definition, Function of Cutting Equipment and Tools. Straight Knife Cutting Machine, Round Knife Cutting Machine, Band Knife Cutting Machine, Die Cutters, Cutting Drills, Computerized Cutting Machines, Water Jet, Air jet, Laser Cutting machine.				
UNIT -III	Sewing Technology: Sewing Machines – Parts and Functions of Single & Double Needle Machine, Flat lock Machine, Over lock Machine, Three, Four, Five Thread Machines– Special Attachments. Specialty sewing machines - Fashion Maker, Button hole & Button Fixing machine, Blind Stitching Machine, Embroidery machines - Faggoting. Problems in Sewing Machines and maintenance.				
UNIT -IV	Sewing machine parts: Stitching Mechanism – Needles, Bobbin and Bobbin Cases, Bobbin Winding, Shuttle and Shuttle Hooks, Loops & Loop Spreader, Buttons & loop fastening, zip fastness – elements and types of feed mechanism - Pressure Regulators – Stitch Length, Times Sequence in Stitch Formation. Machine beds and its types - Feed of arm, circular bed, flat bed				
UNIT -V	Packing method: Pressing – The Purpose of Pressing – Categories of Pressing – Pressing Equipment and Methods – Pleating – Permanent Press – Garment Folding and Packing - Packing materials and tools. Garment Care and Maintenance				
Outcomes:					
Student can understand about the basic step of spreading processes and various types of marking methods Questions: Arrange, Choose, Define, Describe, Find, How, List, Recall, Show, What, Why					K1
Student can understand about the processes of cutting technology and equipment usage Questions: Arrange, Choose, Define, Describe, Find, How.					K2
Student can gain information about sewing machine types and its function with problem rectification. Questions: Arrange, Choose, Define, Describe, and Find, How, List, Recall.					K3
Students can understand about the parts of sewing mechanism and its parts Questions: Arrange, Choose, Define, Describe, Find, How, List, Recall, Show, What, Why					K4
Student can learn about the garment pressing, folding and packing methodology Questions: Arrange, Choose, Define, Describe.					K5
Reference & Text Books					
Apparel machinery and equipment (HB 2018) Hardcover – 15 June 2018 by Rathinamoorthy R. (Author)					

“The Technology of Clothing Manufacturing”, Blackwell Science, U.K.,1994, Carr H and Latham B.,(Author)

“ Apparel Manufacturing Handbook “, VanNostrand Reinhold Company, 1980, Jacob Solinger., (Author)

“Industrial cutting of textile materials”, Woodhead Publishing Limited, 2012, ISBN: 978-0081021224/ ISBN: 0081021224, Vilumsone I and Nemes .

Cutting & Sewing Theory, Gayathri Verma & Kapil Dev, Asian Publishers, 2015.

Garment Technology for Fashion Designers, Gerry Cooklin, Wiley-Blackwell, USA, 2012

Garment Manufacturing Technology, EIRI Board, Engineers India Research Institute

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

<https://www.textileschool.com/336/spreading-layering-the-fabrics>

<https://cosmatechnology.com/news/the-spreading-and-cutting-department-in-garment-industry-48>

<https://www.scribd.com/document/344326790/Cutting-Technology>

<https://www.onlineclothingstudy.com/2020/11/types-of-sewing-machines.html>

<https://www.scribd.com/document/510828711/Types-of-Sewing-Machines>

<https://ncert.nic.in/vocational/pdf/ivsm101.pdf>

SEMESTER -II					
Course Code 81532	DFAD	Apparel Production Technology	T	Credits:3	Hours:3
Objectives	<ul style="list-style-type: none"> To enable the students to know about the cost control , cost reduction techniques& cost analyses systems of production To study about the basic knowledge in apparel production. To enable the students to know the planning and scheduling To teach the students about the production planning steps and layouts. To enable the students to know the concept of time study, documents record and time management system 				
UNIT -I	Introduction: Introduction about production planning in apparel industry-Importance of production – Man power and machine planning. Functions of production planning department. Basic production systems. Productivity-Standards-Factors affecting productivity - Productivity measures.				
UNIT -II	Planning and scheduling: Raw material source and purchase planning- operation of planning and scheduling. Inventory system. Scheduling techniques - Routing procedure. Dispatching procedure - Monitoring – Follow up				
UNIT -III	Production planning: Steps involved in production planning. Qualitative & quantitative analysis of production. production layout- process layout - sequence of operation – production process				
UNIT -IV	Time management: Work method - Time study methods- Documentation records-lot status reports, development –improve working environment -Risk taking –Action making on work plan – Time management - Inspection -AQL system – quality control – Quality function development - quality management system.				
UNIT -V	Cost Analyses: Estimation quantity and cost -Cost control – Element of cost control – cost analysis system – how to control on production system – cost reduction techniques-Analyze improvement onplanning method.				
Outcomes:					
Understanding about production planning, productivity standards in apparel industry Question; Define, classify, Explain, Apply.					K3
Able to understand the concept of material purchase planning and dispatching procedures in apparel industry Question; Define, objects, classify, Explain.					K2
Students can understand the production planning steps and production layouts Question; Define, classify, Analyze, Apply.					K1
Able to improve the production by understand the concept of time study, actions towards the work plan, inspection and quality managementsystems. Question; Define, classify, Analyze, Comparison.					K4
Able to develop managerial skills to increase the production in apparel industry Question; Define, classify, Explain, Apply.					K4
Reference & Text Books					
Rajesh Bheda (2008). “Managing Productivity of Apparel Industry”, CBS Publishers & Distributors.					
David J. Tyler (1991). “Materials management in clothing production”. Black well science Publishing.					
V.Ramesh Babu (2012) “Industrial Engineering in Apparel Production, Wood head publishing India in textiles					
Jacob Solinger, (1998)“Apparel Production Handbook”, Reinhold Publications,					
Chuter A.J.,(2001) “Introduction to Clothing Production Management”, Blackwell Scientific Publications, Oxford					

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

<https://www.onlineclothingstudy.com/2011/12/functions-of-production-planning-and.html>

<https://leanstitch.com/production-planning-control-in-apparel-industry/>

<https://techpacker.com/blog/manufacturing/pre-production-processes-in-garment-manufacturing/>

<https://textilelearner.net/basic-procedure-of-production-planning-textile-industry/>

SEMESTER -III					
Course Code 81533	DFAD	Fashion Merchandising And Marketing	T	Credits:- 2	Hours:-4
Objectives	<ul style="list-style-type: none"> To understand the basics in fashion marketing To learn about apparel marketing and advertising To study about introduction of merchandising. Describe the process flow in apparel industry To Learn About Inspection and Its Types 				
UNIT -I	Fashion marketing: Meaning and classification of Marketing, fashion Marketing, Marketing environment. Marketing Function – Assembling, standardization and Grading and packaging, product planning And development. The fashion industry and new product development, Pricing policies and strategies for apparel products, methods of setting prices.				
UNIT -II	Advertising: Fashion sales promotional program for apparel marketing, communication in promotion, Personal selling, and point of purchase. Fashion Advertising and preparation of advertising for apparel market, Advertising media used in apparel market, Apparel and Textile Trade shows And fairs, Advertising department and advertising agencies – structure and functions. Advertising Budget.				
UNIT -III	Merchandising: Introduction, Meaning- Apparel Merchandising. Export merchandising And retail merchandising. Types of merchandiser - Functions of a merchandiser – Essential requisites of a good merchandiser – Vendor sourcing, evaluation and development – Global Sourcing – Vendor nomination by buyers – Reasons for vendor nomination.				
UNIT -IV	Apparel industry : Process flow in apparel industry – Buyer sourcing and communication – Enquiry– Order confirmation- order review and its importance – Planning and programming: Master planning, Scheduling or route card – Factors for route card - programming for yarn, knitting, dyeing, stitching, sampling, accessories – Samples: Meaning and importance – Types of samples – Expedition of samples.				
UNIT -V	Inspection: Inspection and its types – Testing – Check points before cutting - Pilot run or trial run and its importance – Approvals - Types of approvals – Shipping marks – Final inspection Procedures – Self, Second and Third party inspection - Effective expedition procedures. Order sheet and its contents – Packing list and its contents – Document formats: order sheet, packing list, invoice, inspection and testing reports etc., - Assortment and its types				
Outcomes:					
Understand the marketing environment Question: Meaning, classify, plan and develop, methods					K1
Learned about fashion advertising and trade shows Question: Prepare, advertise, function					K3
Studied about merchandising, merchandiser and vendor Question: Meaning, types, functions, develop, reason					K4
Analyzed the planning and programming Question: process flow, plan, factors, types, samples					K6
Understand About Packing List And assortment Questions: Explain, Describe					K2
Reference & Text Books					
Marketing- RSN Pillai and Bhagavathi, S Chand and Company Ltd, New Delhi, 1987.					
Marketing management – Dr B K Chatterjee Jaico, Juice publishing house, Bombay 1982.					
Marketing Principles and methods – Philip C F and Duncon, Irwin Publications.					

Marian H. Jernigan , Fashion Merchandising and Marketing, Macmillan (1990).
Fashion marketing – Mike Easey, Black well Science Ltd, 1995.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

https://learn.org/articles/What_is_Fashion_Marketing_and_Merchandising.html

<https://www.encyclopedia.com/fashion/encyclopedias-almanacs-transcripts-and-maps/fashion-marketing-and-merchandising>

<https://precollegeprograms.org/fashion/whats-the-difference-between-fashion-merchandising>

<https://textilelearner.net/fashion-merchandising-and-merchandiser/>

SEMESTER -III

Course Code 81534	DFAD	Pattern making & Garments Construction For Men's and Kid's Apparel	P	Credits:- 2	Hours:-5	
Objectives	<ul style="list-style-type: none"> • To stitch a basic baby garments • To stitch a baby frock and shirt • To stitch a pyjama and shorts • To stitch a S.B. Vest • To stitch a Nehru kurta 					
UNIT -I	Bib- Variation in outline shape with foam (Draft a pattern) Panty- Elastic used panty (Draft a pattern) Jabla- without sleeve, back open (Draft a pattern)					
UNIT -II	Yoke frock- yoke at chest line, with open, without sleeve, gathered skirt (Draft a pattern) Shirt- open collar, with pocket. (Draft a pattern)					
UNIT -III	Pyjama- Elastic /Tape attached waist. (Draft a pattern) Bermuda's –patch pocket (Draft a pattern)					
UNIT -IV	S.B. Vest – with/ without collar, button attached, sleeveless. (Draft a pattern)					
UNIT -V	Nehru kurta –stand collar, side pocket, half open. (Draft a pattern)					
Outcomes:						
Pattern drafted and stitched a garment with variation					Question: Measure, Draft, cut, stitch	K1
Pattern drafted and stitched a garment with variation					Question: Measure, Draft, cut, stitch	K3
Pattern drafted and stitched a garment with variation					Question: Measure, Draft, cut, stitch	K4
Pattern drafted and stitched a garment with variation					Question: Measure, Draft, cut, stitch	K6
Pattern drafted and stitched a garment with variation					Question: Measure, Draft, cut, stitch	K2
Reference & Text Books						
Rina V Ivanova, “ How to Draw Women's Wear ”, ART DESIGN PROJECT, Incorporated (2019)						
Michelle Pye, “ Ladies Couture Tailoring ”, Crowood Press (2021)						
Shannon Burns-Tran, Jenny B. Davis, “ Style Wise ”, Bloomsbury Academic (2018)						
Shri K.R. Zarapkar, “System of cutting”, Navneet Publications (INDIA) limited,2010.						
Mary Mathews, “ Practical clothing construction ”, Printed by Bhattarams, Copyright 1995						
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]						
http://www.go-woman.com/wpcontent/uploads/factsheets/FREE_Sewing_Book.pdf						
http://brittlebooks.library.illinois.edu/brittlebooks_open/Books2009-						
http://buc.edu.in/sde_book/fashion_design.pdf						
http://cbseacademic.in/web_material/doc/fashion_studies/3_XII_Text_Book.p						

SEMESTER -III

Course Code 81535	DFAD	Computer Aided Designing	P	Credits:2	Hours:5
Objectives	<ul style="list-style-type: none"> • Apply of Elements of Design in garments • Apply of Principles of Design in garment • Apply of Color Harmony in Design Garments • Design Garments for the following • Create a design using Photoshop Software 				
UNIT -I	Line Shape Texture				
UNIT -II	Balance (any one) Rhythm (any one) Emphasis				
UNIT -III	Monochromatic Color harmony Analogues Color harmony Complementary Color harmony				
UNIT -IV	Party Wear – Women ,Men, Children Sports Wear- Men, Women, Children. Fashion show – Children, men and women Winter Wear - Children, men and women Summer Wear - Children, men and women School uniforms - Children, men and women				
UNIT -V	Create a design using Photoshop Software Create an invitation Cards.				
Outcomes:					
To understand about the elements of design Questions: To create, To design, To Apply					K1
To understand about the Principles of design Questions: To create, To design, To Apply					K2
To understand about the color harmony Questions: To create, To design, To Apply					K3
To understand about the design garments Questions: To create, To design, To Apply					K4
Learned about Photoshop software Questions: To create, To design, To Apply					K5
Reference & Text Books					
Chris Spear, “System Verilog for Verification”, Springer (2012) P N Rao, “CAD/CAM: Principles and Applications Paperback”, McGraw Hill Education, (2017) Cheryl R. Shrock, “Beginning Autocad Exercise Book”, (2010)					
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]					
https://www.glamsen.se/CadTools.htm https://textilelearner.net/list-of-cad-cam-software/ www.coreldraw.com/en/product/corel-cad					

SEMESTER -III

Course Code 81536	DFAD	Surface Ornamentation Techniques	P	Credits:2	Hours:5
Objectives	<ul style="list-style-type: none"> • Create Hand Embroidery Samples (15 stitches and 5 Samples) • Create the following samples • Create Embroidery Samples with Applique, Patch work • Create a samples for Tassels, Fringes and Bows (Any Two Samples) • Enhance Creativity by the Application of Smocking and Quilting (2 Samples) 				
UNIT -I	<ul style="list-style-type: none"> • Outline Stitches • Filling Stitches • Loop Stitches • Cross Stitches 				
UNIT -II	<ul style="list-style-type: none"> • Bead work • Sequins work • Zardosi work • Mirror work – Shapes (Round, Square, Diamond) Any 2 Samples 				
UNIT -III	<ul style="list-style-type: none"> • Applique • Simple Patch work • Motif Patch work 				
UNIT -IV	<ul style="list-style-type: none"> • Tassels • Fringes • Bows 				
UNIT -V	<ul style="list-style-type: none"> • Smocking • Quilting 				

Outcomes:

Understand about Hand Embroidery Questions: To Make , To Design, Apply, Create	K1
Develop Samples Using Surface Enrichment Questions: To Make , To Design, Apply, Create	K2
Design and Develop Samples for Thread Embroidery, Applique Questions: To Make , To Design, Apply, Create	K3
Develop Samples for Structural Effects Using Tassels, Fringes and Bows Questions: To Make , To Design, Apply, Create	K4
Create Added Structural Effects Using Smocking and Quilting Questions: To Make , To Design, Apply, Create	K5

Reference & Text Books

Shailaja D Naik, Traditional Embroideries of India, APH Publication, 1996
Megan Eckman, Everyday Embroidery for Modern Stitchers, C&T Publication, 2020
Libby Moore, Thread Folk : A Modern Makers Book of Embroidery Projects and Artist
Collaboration, Paige Tate & Co, 2019

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

<https://sewguide.csom/smoking/>
<https://www.youtube.com/watch?v=Ug2d1NUuE4A>
https://www.youtube.com/watch?v=uJ2SyeFA_B4
<https://www.youtube.com/watch?v=nJz9c8gEvFg>

Course Code 81537
INTERNSHIP VIVA - III

SEMESTER -IV					
Course code Course Code 81541	DFAD	Apparel Costing And Documentation	T	Credits:- 3	Hours:-3
Objectives	<ul style="list-style-type: none"> • To understand the basics of cost and costing • To learn about estimation of cost • To study about costing for domestic products • Describe the bills and documents • To learn about import license and shipment inspection 				
UNIT -I	Cost and Costing-elements of cost, classification of costing, standard costing, Principles of costing- requirement of good costing system. Cost estimation of yarn and woven fabric. Cost estimation for cutting, stitching, checking, packing, forwarding, shipping and Insurance.				
UNIT -II	Cost estimation of yarn for weaving and knitting- Single yarn, Double yarn, Fancy yarn, Hosiery yarn. Woven and Knitted Fabric- Cost estimation of weaving and knitting, Fabric Cost Estimation, calculation for grey, dyed fabric. Cost estimation for printing and embroidery.				
UNIT -III	Woven Garment Cost-Fabric consumption, Gross weight of other components of garment and Fabric cost per kg, Fabric cost per garment (Kids/adults). Knitted garment cost-estimation of factory cost for knitted garment, price of a garment (kids/adults), Various factors to be considered in costing for domestic products.				
UNIT -IV	Needs and types of documents relating to goods – Invoice – Packing note and list – Certificate of origin –Certificates related to shipment – Mate receipt – Shipping bill – Certificate of measurement – Bill of lading- Air way bill – Documents related to payment – Letter of Credit-Bill of exchange – Letter of hypothecation- Bank certificate for payment – Document related to inspection, Certificate of inspection – GSP and otherforms. Importance of Insurance of goods in foreign trade, ECGC and its role.				
UNIT -V	Import license – Procedure for import license – Import trade control regulation procedure – Special schemes- Replenishment license – Advance license – Split up license – Spares for after sales service license – Code number – Bill of entry, Pre shipment inspection and quality Control – Foreign exchange formalities – Pre shipment documents. Shipment of goods and port Procedures – Customs clearance.				
Outcomes:					
Understand the costing and system Question: What, classify, estimate, require					K1
Learned about cost estimation for weaving and knittingQuestion: How, calculate, estimate					K3
Studied about fabric and garment costingQuestion: How, estimate					K4
Analyzed the bills and letters, certificatesQuestion: How, types, relate, role					K6
Learned the shipment documents and certificates Question: How, import, shipment, inspection, quality					K2
Reference & Text Books					
“Apparel Costing”, A functional Approach, Krishna Kumar, M, Abhishek Publications, Chandigarh, 2012					
S.P. Jain and KL. Narang, “Cost Accounting”, Kalyani Publishers, New Delhi.Edn.2005					
R.S.N. Pillai and V. Bagavathi, “Cost Accounting”, S. Chand and Company Ltd., New Delhi.Edn.2004.					

Darlie Koshy, “Effective export marketing of Apparel”, Global business press, 1996.

Mike Easey, “Fashion marketing” – 3 rd. edition, Blackwell Science 2009

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

<https://techpacker.com/blog/design/everything-you-need-to-know-about-garment-costing-and-pricing/>

<https://www.scribd.com/document/514450810/Apparel-Costing-and-Documentation>

https://intracen.org/sites/default/files/media/file/media_file/2022/08/18/the_garment_costing_guide.pdf

<https://textilelearner.net/elements-and-steps-involved-in-apparel-costing/>

SEMESTER -IV					
Course Code 81542	DFAD	Apparel Quality Control	T	Credits:3	Hours:3
Objectives	<ul style="list-style-type: none"> To understand the basics of apparel quality. To learn and understand about defects of textile materials To enable the students to know the quality standards. To learn about testing methods for Quality inspection To facilitates the understanding of Apparel quality assurance principles and process. 				
UNIT -I	Quality control: Define - Quality, QC, QA, Importance of quality and quality control. Raw material inspection-fabric inspection - 4 point system - 10 point system - in process inspection - final inspection - no inspection- 100% inspection - statistical sampling- AQL standards and preparing specifications.				
UNIT -II	Defects and Quality control: Fabric defects - pre sewing defects - sewing defects - post sewing defects-causes & remedies. Minor and Major defects. Seven Tools of Quality [Q-7] – Check sheet – Histogram –Pareto diagram – Scatter diagram – Fishbone diagram – Flow chart – Control chart.				
UNIT -III	ISO Standards: Need for ISO 9000 - ISO 9001-2008 Quality System - Elements, Documentation, Quality Auditing - QS 9000 - ISO 14000 - Concepts, Requirements and Benefits - TQM Implementation in manufacturing and service sectors. Eco tex concepts.				
UNIT -IV	Testing: Accessories testing - sewing threads, button, lining, interlining, hook, laces, elastics & packing materials, Testing of dimensional stability - bow-skewness - shrinkage.				
UNIT -V	Apparel Quality Assurance: Apparel Quality Assurance in Packing – importance –types.Warehousing –scope & importance – Shipping procedure.				
Outcomes:					
Student will be able to Outline quality and its parameters. Questions: Define, Objects, Analyze, Explain.					K1
Students will be able to Analyse various defects of textile materials Question; Define, objects, classify, Explain.					K2
To learn Generalize the concept of ISO implementation Question; Define, classify, Analyse, Apply.					K3
Understand and Predict the quality of raw materials through testing Question; Define, classify, Analyse, Explain.					K4
Summarize the functions of apparel quality assurance Question; Define, classify, Analyse, Explain					K5
Reference & Text Books					
Wiley Eastern, (1990)“Total quality management - a practical approach”, Jacob So linger., “Apparel Manufacturing Handbook”, VanNostrand Reinhold Company (1980) Ruth EC, “Apparel manufacturing and sewing product analysis”, Pradip metha, Satish k. Bhardwaj, “Managing quality in the apparel industries”, NIFT, New age international (p) ltd publishers, ND Pradip V Metha,(1992) “Introduction to quality control”, ASCQ quality press.					
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]					
https://www.fibre2fashion.com/industry-article/6333/quality-assurance-in-garments https://techpacker.com/blog/manufacturing/all-about-quality-assurance-control/ https://www.onlineclothingstudy.com/2021/07/quality-control-systems-for-quality .					

<http://textilefashionstudy.com>

<https://mytextilenotes.blogspot.com/2007/12/simple-quality-assurance-in-apparel>.

SEMESTER -IV

Course Code 81543	DFAD	Textile Testing	P	Credits:4	Hours:8
Objectives		<ul style="list-style-type: none"> • To teach how to identify the fibers and determine the yarn count. • To learn the yarn strength, twist and crimp. • To improve the knowledge in fabric strength test • To understand the knitted fabric and woven fabric Analyses. • To learn the procedure and methods of color fastness test. 			
UNIT -I		Introduction about textile testing. Identification of Textile Fiber, Determination of yarn count using wrap Reel and beesley balance.			
UNIT -II		Determination of Lea strength using Lea strength tester. Determination of Single yarn twist and Crimp test.			
UNIT -III		Determination of fabric thickness and Determination of fabric bursting strength.			
UNIT -IV		Determination of fabric shrinkage, tearing strength and crease recovery of the given fabric. Determination of fabric GSM, Loop length, CPI, WPI. Determination of fabric cover factor, EPI, PPI.			
UNIT -V		Determination of Color fastness of the given fabric by launderometer. Determination of Color fastness of the given fabric by Crock meter. Determination of Color fastness of the given fabric by Persipimeter..			
Outcomes:					
Understand the concept of yarn count determination and calculation. Question; Define, Analyze, Apply.					K3
To enable the students, to understand the yarn strength, twist and crimp. Question; Define, Analyze, calculate.					K2
Understand and analyses the fabric strength Question; Analyze, Apply.					K1
To enable the students to understand the fabric weight calculations Question; Define, Analyze, Calculate.					K4
To determine the different types of color fastness. Question; Determine, Apply.					K5
Reference & Text Books					
Booth J E, (1970), Principles of Textile Testing, Hoy Books, London. Angappan P and Gopalakrishnan R, Textile Testing, SSM Institute of Textile Technology, Komara Palayam. Objective evaluation of fabrics, Styios G, John Wiley & Sons USA Fiber Science, Mishra S P and Kesavan B K, SSM Institute of textile technology, Komarapalayam.					
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]					
https://textilelearner.net/what-is-textile-testing					
https://textilestudycenter.com/category/yarn-engineering/					
https://www.onlinetextileacademy.com/category/wet-processing					
https://textilevaluechain.in/in-depth-analysis/articles/textile-articles/textile-testing-and-quality-control/					
https://archive.nptel.ac.in/courses/116/102/116102029/					

SEMESTER -IV				
Course Code 81544	DFAD	Fashion Portfolio	P	Credits: 4 Hours:8
Objectives Objectives	<ul style="list-style-type: none"> To build up a theme based designing skill To develop portfolio boards with computer application To develop portfolio boards with computer application To have an understanding of design presentation To have an understanding of Final presentation combined with photography and makeover skills 			
UNIT -I	To be planned for a Theme garment. To create an Introduction board, Theme board, Customer Profile (To be presented separately or in a combined form)			
UNIT -II	To create an story board, Mood board, color board (To be presented separately or in a combined form)			
UNIT -III	To create an Swatch board, Accessories board, Pattern Board (To be presented separately or in a combined form)			
UNIT -IV	To create an design development chart (To be presented separately or in a combined form)			
UNIT -V	To create a Final Presentation (Photograph of the Garment).			
Outcomes:				
Learn about fashion forecasting and make trend research				K3
Learn about mood, story and color boards				K2
Create Swatch , Accessories and Pattern boards				K1
Develop designs for selected theme with appropriate colors by flat sketches				K4
Construct the designed garments with suitable fabric, proper fit and good aesthetic appeal				K5
Reference & Text Books				
<p>“Fashion Portfolio: Design and Presentation”, Anna Kiper , Batsford Publication 2016</p> <p>“Portfolio Presentation for Fashion Designers”, Linda Tain, Fairchild Publication 2018</p> <p>“Design Your Fashion Portfolio”, Faerm, Steven, A & C Black Publication 2011</p>				
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]				
<p>https://www.apparesearch.com/fashion/designer/name/a/anna_sui/spring_fashions_anna_sui_fashion_designer_guide.htm</p> <p>http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827</p> <p>https://fashionandillustration.com/en/how-to-make-a-fashion-collection/</p>				

Course Code: 81545
INTERNSHIP PROJECT

Diploma Programme

Passing minimum

- A candidate shall be declared to have passed in each course if he/she secures not less than 40% marks in the End Semester Examinations and 40% marks in the Internal Assessment and not less than 40% in the aggregate, taking Continuous assessment and End Semester Examinations marks together.
- The passing minimum for CIA shall be 40% out of 25 marks (i.e.10 marks) in Theory/ Practical Examinations.
- The passing minimum for University Examinations shall be 40% out of 75 marks (i.e. 30 marks) for Theory /Practical papers.
- The candidates not obtain 40% in the Internal Assessment are permitted to improve their Internal Assessment marks in the subsequent semesters (2 chances will be given) by writing the CIA tests or by submitting assignments.
- Candidates, who have secured the pass marks in the End-Semester Examination and in the CIA but failed to secure the aggregate minimum pass mark (E.S.E + C I.A), are permitted to improve their Internal Assessment mark in the following semester and/or in University examinations.
- A candidate shall be declared to have passed in the Dissertation/Project report/Internship report if he/she gets not less than 40% marks in the Internal Assessment and End Semester Examinations and not less than 40% in the aggregate, taking Continuous assessment and End Semester Examinations marks together.
- A candidate who gets less than 40% in the Dissertation / Internship/ Project Report must resubmit the thesis. Such candidates need to take again the Viva-Voce on the resubmitted report/thesis.