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 Syndicatefor admission to Diploma in Fashion & Apparel Designing

PATTERN: Semester

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

The duration of the Course will be about 340days. The subjects of study shall bein 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 eligibleto 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 10th 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**	**-**	**-**	**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**			**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**			**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**			**500**

SEMESTER -I					
Course Code 81511	**DFAD**	**Introduction To Textiles**	**T**	**Credits:3**	**Hours:5**
Objective	- Impartknowledgeonthefiberclassification and Characteristics. - Tolearnthefiberproduction,propertiesanduses. - Toteachtheconversion methodof fiberintoyarn. - Toimprovetheknowledgein wovenfabricproductionandclothanalyses - To understand the knitted fabric production, Analyses the structure and non-wovenfabric applications				
UNIT -I	**Fiber:**Introductiontothefieldoftextiles-classificationoffibers–naturalandmanmade–primaryandSecondarycharacteristics of textile fibers.				
UNIT -II	**Fiber manufacturing process and its properties:** Manufacturing process, properties and uses ofnatural 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 mechanicalspinning. 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 countand twist.				
UNIT -IV	**Woven fabric production process:** Weaving Introduction, Elements and components of a simpleloom; Essential weaving operation. Classification of looms and its advantages - Types of shuttle lesslooms–Rapier–Projectile–Airjet–Waterjet. BasicWeavesanditsproperties–Plainweave,Twill,Satinand Sateen weavestructures.				
UNIT -V	**Knitted & Nonwoven fabric manufacturing process:** Knitting introduction-classification of weft& warp knitting-elements of knitting-comparison between knitting and weaving, knitted fabric andwoven fabric. Working process of single and double jersey machines. Type's knitting needles andstitches (knit, tuck, and miss stitch).Types of knitted structures-plain, rib purl and interlock. Knittedfabricdefects– causesand remedies. IntroductionandapplicationofNonwovenfabric.				
Outcomes:					
RecallabouttheTextile fibersanditscharacteristics. *Questions:Arrange,Choose,Define,Describe,Find,How,List,Match,Name,Relate, Recall,Show,What,Why*					**K3**
Understandingaboutvariousfiberspropertiesanditsapplications. *Questions:classify,compare,convert,Explain,Express,Outline,Relate,Show,Summaries*					**K2**
Abletochoosetheyarnsuitabilityof selectedenduse. *Questions:Arrange,Choose,Define,Describe,Find,How,List,Match,Name,Relate, Recall,Show,What,Why*					**K1**
Understand andanalysesthevarioustypesof woven fabrics. *Questions:classify,compare,convert,Explain,Express,Outline,Relate,Show,Summaries*					**K4**
Understandthefabricpropertiesandanalysesthevarioustypesofknittedfabrics. *Questions:Arrange,Choose,Define,Describe,Find,How,List,Match, Name,Relate,Recall,Show,What,Why*					**K4**

Reference&TextBooks

P.V.Vidyasagar,(2005)."Hand BookofTextiles",A.MittalPublications

BernardP.Corbman,(1983)."TextilesFibertoFabric"McGrawhillPublications.

GanapathyNagarajan,(2014).TextileMechanismsinSpinningandWeavingMachines, WoodheadPublishingIndiainTexiles.

Fannin,Allen.A, (1998). Handloomweavingtechnology,Greeneditorial,

W.S.Murphy, (2003)."TextileWeaving&Design",AbhishekPublication,

Anbumani,(2006).KnittingManufactureTechnology,NewAgeInternational,Chennai.

DavidJ.SpencerKnittingTechnologyWoodheadPublication Ltd.

RelatedOnlineContents[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			
Coursecode (81512)	DFAD	Fundamentals of fashion	T	Credits:-3	Hours:-5
Objectives	- Togain basicknowledgeaboutdesignandelementstobeapplied - Impartknowledgeondesign applicationandprinciples - TolearnaboutstandardcolorHarmonies - Tolearnaboutfashionterminologiesandprofiles - Pre-planningandexecutionaboutwardrobe.				
UNIT -I	TraditionalTextilesofIndia.Design:Definition,Typesofdesign-StructuralandDecorativeDesign.Elements of Design- Line, Shape,Form,Colors, and Texture.				
UNIT -II	**Principles of design:** Balance its types - Formal and Informal, Rhythm its types - throughrepetition, radiation and gradation, Emphasis its types -, Harmony its types – line, shape andIdea,Proportion its types-goodand bad proportion.				
UNIT -III	Introductiontocolor:colortheories-Prangcolorchartsystem.Dimensionsofcolor-Hue,ValueandIntensity.Standard color harmonies-Relatedandcontrastingcolorharmony.				
UNIT -IV	Introduction to Fashion- Fashion terminologies- Style, fad, classic, and collection, chic,custom-made,mannequin,fashionshow,trend,forecasting,highfashion,fashioncycle,hauteCouture, couture and couturier. Fashion director, fashion editor, line, knock-off, Avant grade,Bridgejewellery,appareland pret-a-porter.				
UNIT -V	Introduction to Fashion accessories, trimmings and decoration. Wardrobe planning fordifferentagegroups,factorsinfluencingwardrobeselection,Fashionandseason,Designingdressesfordifferentoccasions–businessmeetings,parties/dinners,evenings/leisurehours,marriage functions, sports, uniforms for civil service, airhostess, schools – girls and boys(School,highschool).				

Outcomes:

Recalling design types and its elements implementsQuestions:-what, Explain,Describe, Define	K1
To understand about Principles of DesignQuestions:-what,Explain,Describe,Define	K3
Creatingprangcolorchartandvalue&intensitychart. Questions:-what,Explain,Describe,Define	K4
Creatingnewdesignwithcurrenttrendapplicationandknowledgeaboutdesigner&buyinghouse. Questions:-what,Explain,Describe,Define	K3,K6
Analyzed about wardrobe selectionQuestions:-what,Explain,Describe,Define	K2

TextBook(s)

FashionSketch Book –BinaAbling,FairChildPublications,NewYorkWardrobe,1988.
ArtandFashioninClothingSelection–McJimseyandHarriet,IowaStateUniversity Press,Jowa,1973.

ReferenceBooks

FashionFromConceptToConsumer–FringsGiniStephens,PearsonEducation,US,1998.

InsidetheFashionBusiness–KittyG.Dickerson,PearsonEducation,US,2007.

TheFundamentalsoffashion–Richardsorger.

TheFashionDesignersurvivalguide-Marygehlhar.

RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]

https://www.apparelsearch.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	- Tostudythedrawingobjective - TounderstandtheDesigningGarmentandPrangColorchart - ToIllustrateTheFacialFeatures - ToCreateOrnamentsandAccessories - IllustratetheHeadTheory				
UNIT -I	Perspectiveviewdrawingandobjectivedrawing.Enlargingand ReducingMotifs				
UNIT -II	Shading–ongarmentswithdifferenttypes(children's, men's,women's) Fortheaboveexperimentof PRANGCOLORCHARTthrough"Watercolor,Poster color."				
UNIT -III	Illustratefacialfeatures–eyes,lips,ears,Illustrate Human Figures hands and legs.Illustrate Hair style				
UNIT -IV	- Ornaments (anytwo) - Drawingof accessories. 1. Hat 2. Belt 3. Footwear 4. Bag				
UNIT -V	Illustratethehead theory(8")children's(Boy&Girl)				

Outcomes:

TounderstandtheDrawingspectaclesQuestions:To draw,Toillustrate	K1
ToUnderstandthedesigningofgarmentandcolorchartQuestions:To draw,Toillustrate,To color, To shade	K2
IllustrationsFacial FeaturesandHairStyle. Question::To draw,To illustrate	K3
IllustrationsaboutvariousAccessoriesQuestion::To draw, To illustrate	K4
Illustrationsaboutmulticoloringmethods. Question::To draw,To illustrate	K5

Reference&TextBooks

PatrikJohnIrelandBatsfordLtd; edition1982, Fashiondesign drawingand presentation.
Caroline Tatham,JulianSeamanBarron'sEducationalSeries;2011,Fashiondesign drawingcourse
Alexandra Suhner Pepin Press 2012, Technical Drawing for Fashion Design Vol. 2:
GarmentSourceBook(FashionTextiles)
ByKathrynHagen 2004byPrenticeHall,Fashionillustration for designers
ByBinaAbling2000 byPrenticeHall, FashionRenderingwith Color
M.KathleenCollussy,SteveGreenberg2008byPrenticeHall,Fabrics&Printsdesigns
2nd Edition

RelatedOnlineContents[MOOC,SWAYAM, NPTEL,Websitesetc.

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	- Toknowthemeasurementandtechniques - Tolearnhow todraftapattern - Toimplementpatterninfabriclayout - Todraftaboutbasicpatterns - Tocreateaallowancesforgiven measurements				
UNIT -I	Body measurement – importance, preparing for measuring, ladies measurements, boys and men'smeasurements. Standardizing body measurements – importance, techniques used. Relative length andgirthmeasures				
UNIT -II	Patternmaking–methodofpatternmaking– (Draftinganddraping),meritsanddemerits.Typesofpaperpatterns (Patterns for personal measurements andcommercial patterns)				
UNIT -III	Patternlayout- definition,purpose,rulesinlayout,typesoflayoutsforlengthwisestrippeddesigns,fabricw ith bold design, asymmetricdesigns,and onewaydesigns.				
UNIT -IV	Introductiontopatterndrafting-Basicinstructionforbelt,collar,sleeve				
UNIT -V	Introductionfordesignalterationsandincludingseamandeaseallowances				
Outcomes:					

Thevariousmeasurementsareused Questions:Touse, tocalculate	K1
Understandthepatterntypes Questions:To create,to use	K2
Learnedaboutpatternlayout Questions:Tomark,Tomeasure	K3
Learnedaboutpatternsoutlines Questions:Todraft,measure	K4
Tolearnedaboutbasicalteration Questions:To alter, To give	K5

Reference&TextBooks

GayatriVermaandKapilDev,"Cuttingandtailoringcourse",ComputechPublications,2009.

ShriK.R.Zarapkar,"Systemofcutting", Navneet Publications(INDIA)limited,2010.

MaryMathews, "Practicalclothingconstruction", PrintedbyBhattarams,Copyright1995

RelatedOnlineContents[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					
CourseCode: 81515	DFAD	Fundamental Of Apparel Construction	P	Credits:3	Hours:5
Objectives	Tostitchasamples for basicfinishes • Tocreatesamplesforbasicgarmentoutlines • Tocreateasamples • Tocreateasamples with variation • Tocreatea sampleswithvariation				
UNIT -I	Preparation of samples for seam (any 5)-plain, Top Stitched, Flat fell, piped seam.Preparationofsamplesfor seamfinishes(any3)- overcast,Hem, Edgestitched,bound...				
UNIT -II	Preparation of samples for fullness-darts, tucks - pin, group tucking, Pleats - knife, box, gathering bymachine,elastic. Ruffles-single,double. Preparationofsamplesforfacingandbinding-biasfacing,shapedfacing,binding.				
UNIT -III	Preparation of samples for plackets and fasteners-zipper plackets, Tailored Placket, button andbuttonhole,press button, hook and eye.				
UNIT -IV	Preparationofsamplesforsleeves-plainsleeve,puffsleeve, raglonorcapsleeve.Preparationofsampleswithyoke – simpleyoke,yokesupportingfullness.				
UNIT -V	Preparationofsamplesforcollar -PeterPancollar,shirtcollar. Preparationofsamplesforpocket-PatchPocket, BoundPocket.				

Outcomes:

Thevarious garment components likeseamandseamfinishes. Questions:Tocreate,Tostitch	K1
Thevariousgarmentcomponentslikefullness. Questions:Tocreate,Todesign	K2
Thevariousgarmentcomponentslikeplackets,fasteners. Questions:Tocreate,Todesign	K3
Thevariousgarmentcomponentslikesleeves,yoke. Questions:Tocreate,To design	K4
Thevariousgarmentcomponentslikecollarandpocket Questions:Tocreate,Tostitch	K5

Reference&TextBooks

GayatriVermaandKapilDev,"Cuttingandtailoringcourse",ComputechPublications,2009.

ShriK.R.Zarapkar,"Systemofcutting",Navneet Publications(INDIA)limited,2010.

 MaryMathews, "Practicalclothingconstruction", PrintedbyBhattarams,Copyright1995

RelatedOnlineContents[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

INTENSHIP VIVA-I

SEMESTER -II					
Course code 81521	**DFAD**	**Fashion Retailing**	**T**	**Credits:- 3**	**Hours:-3**
Objectives	• 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 surfacematerials. 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, OutletMalls. The small stores, The large stores, Store with in a store – In store designer boutiques. RetailBuying – 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, Foldingand 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- Needof 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,Importanceand customers target Questions: Define, Explain, Find, Describe	K4
Application and knowledge about advertising, media selection, relationship marketing strategiesQuestions: 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 ChildPublications, 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. QUTDigital 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 Objectives Objectives	• 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 goodcommercial 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, introductoryremarks **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 tomake 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 -

Pearsons 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	• 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, "SystemVerilog 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	- 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 & WomenIllustrate 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	- 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 apattern**) **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. 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 -II						
Course Code 81526	**DFAD**		**Textile wet processing**	**P**	**Credits: 2**	**Hours:5**

Objectives	- 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 dying 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 thefabric. Question; Define, Analyze, calculate.	K2
Understand the importance of bleaching process and apply the concepton the fabric by using suitable agents Question; Analyze, Apply.	K1
To enable the students to understand the dyeing techniques and preparethe 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 PrayagR.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.dspattextile.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	• 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 – elementsand 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 Equipmentand 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 cuttingtechnology and equipment usage Questions: Arrange, Choose, Define, Describe, Find,How.	K2
Student can gain information about sewing machinetypes and its function with problem rectification. Questions: Arrange, Choose, Define, Describe, andFind, How, List, Recall.	K3
Students can understand about the parts of sewingmechanism and its parts Questions: Arrange, Choose, Define, Describe, Find,How, List, Recall, Show, What, Why	K4
Student can learn about the garment pressing , foldingand 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 Objectives Objectives	- 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 productionsystems. 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 ofproduction. 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 inapparel industry Question; Define, classify, Explain, Apply.	K3
Able to understand the concept of material purchase planning anddispatching procedures in apparel industry Question; Define, objects, classify, Explain.	K2
Students can understand the production planning steps and productionlayouts 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 apparelindustry 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 sciencePublishing.
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	- 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, Marketingenvironment. Marketing Function – Assembling, standardization and Grading and packaging, product planning And development. The fashion industry and new product development, Pricing policies and strategiesfor 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. AdvertisingBudget.					
UNIT -III	**Merchandising**: Introduction, Meaning- Apparel Merchandising. Export merchandising And retail merchandising. Types of merchandiser - Functions of a merchandiser – Essentialrequisites 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 runand 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 showsQuestion: Prepare, advertise, function	K3
Studied about merchandising, merchandiser andvendor 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 assortmentQuestions: 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	- 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 variationQuestion: Measure, Draft, cut, stitch	K1
Pattern drafted and stitched a garment with variationQuestion: Measure, Draft, cut, stitch	K3
Pattern drafted and stitched a garment with variationQuestion: Measure, Draft, cut, stitch	K4
Pattern drafted and stitched a garment with variationQuestion: Measure, Draft, cut, stitch	K6
Pattern drafted and stitched a garment with variationQuestion: 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	- 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	- Create Hand Embroidery Samples (15 stitches and 5 Samples) - Create the following samples - Create Embroidery Samples with Applique, Patch word - Create a samples for Tassels, Fringes and Bows (Any Two Samples) - Enhance Creativity by the Application of Smocking and Quilting (2 Samples)				
UNIT -I	- Outline Stitches - Filling Stitches - Loop Stitches - Cross Stitches				
UNIT -II	- Bead work - Sequins work - Zardosi work - Mirror work – Shapes (Round, Square, Diamond) Any 2 Samples				
UNIT -III	- Applique - Simple Patch work - Motif Patch work				
UNIT -IV	- Tassels - Fringes - Bows				
UNIT -V	- Smocking - Quilting				

Outcomes:

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

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	- 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 forcutting, 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, calculationfor 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 knittedgarment, 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		• 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 materialinspection-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-skew ness - 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	- 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 usingwrap 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 Persipirometer..				

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 andcrimp. 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 USAFiber 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** **Objectives**	- 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 acombined form)				
UNIT -II	To create an story board, Mood board, color board (To be presented separately or in a combinedform)				
UNIT -III	To create an Swatch board, Accessories board, Pattern Board (To be presented separately or in acombined 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

   "Fashion Portfolio: Design and Presentation", Anna Kiper , Batsford Publication 2016

   "Portfolio Presentation for Fashion Designers", Linda Tain, Fairchild Publication 2018

   "Design Your Fashion Portfolio", Faerm, Steven, A & C Black Publication 2011

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

https://www.apparelsearch.com/fashion/designer/name/a/anna_sui/spring_fashions_anna_sui_f as hion_designer_guide.htm

http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827

https://fashionandillustration.com/en/how-to-make-a-fashion-collection/

Course Code: 81545

INTERNSHIP PROJECT