

# 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 Merchandising & Production Management**

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 MERCHANDISING & PRODUCTION MANAGEMENT**

**ELIGIBILITY:** A Pass in a Higher Secondary Examination (HSC) conducted by the Government of Tamil nadu, or an examination accepted as equivalent thereto by the Syndicate for admission to Diploma In Fashion Merchandising & Production Management.

**PATTERN:** Semester

**DURATION:** The course for the Full Time students shall extend over a period of only one Academic Year. The duration of the Course will be about 170days. 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%andabove	-I Class
50%to59%	-II Class

**AWARD OF DIPLOMA:** Students who successfully complete the programme within the stipulated period will be awarded Diploma in Fashion Merchandising and Production Management..

**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 practicals 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.

**FEESTRUCTURE:** 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 <sup>th</sup> 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

***Diploma In Fashion Merchandising & Production  
Management***

**Course** –Diploma in Fashion Merchandising & Production Management

**Duration** – One Year

**Eligibility**–Any Degree from a Recognized

University **Medium**-English

**Semester I**

Code No	Name of the Subject	T/P	Credit Points	Hours	Max. Marks		
					Int	Ext	Total
81311	Textile Science	T	3	4	25	75	100
81312	Sewing Technology	T	3	4	25	75	100
81313	Business Communication	T	3	4	25	75	100
81314	Textile Testing Practical	P	2	5	25	75	100
81315	Garment Construction Practical	P	2	5	25	75	100
81316	Fashion Illustration Practical	P	2	5	25	75	100
81317	Computer Aided Designing	T	3	3	25	75	100
	<b>Total</b>	-	<b>18</b>	<b>30</b>	<b>175</b>	<b>525</b>	<b>700</b>

**SEMESTER II**

Code No	Name of the Subject	T/P	Credit Points	Hours	Max. Marks		
					Int	Ext	Total
81321	Apparel Production Planning	T	3	5	25	75	100
81322	Apparel Quality Assurance	T	3	5	25	75	100
81323	Fashion Merchandising	T	3	5	25	75	100
81324	IT Skills for Merchandiser- Practical	P	7	10	25	75	100
81325	Portfolio Presentation -Practical	P	7	10	25	75	100
81326	Internship Viva	I	5	10	25	75	100
	<b>Total</b>	-	<b>28</b>	<b>45</b>	<b>150</b>	<b>450</b>	<b>600</b>
	<b>Grand Total</b>		<b>24</b>	<b>75</b>	<b>325</b>	<b>975</b>	<b>1300</b>

SEMESTER - I					
Course Code	DFMPM	Textile science	T	Credits:3	Hours:4
81311					
UNIT -I					
<b>Objective I</b>	<ul style="list-style-type: none"> <li>To study the basic knowledge about textile fibers and its applications.</li> <li>To enable the students to know the yarn manufacturing process</li> <li>To teach the woven fabric manufacturing process and types of weave structures.</li> <li>To teach the knitted fabric production, structures and applications</li> <li>To enable the students to know the coloring process and finishing types</li> </ul>				
<b>UNIT I</b>	<b>Fiber:</b> Introduction to the field of textiles- Fiber Definition and classification– primary and Secondary characteristics of textile fibers. Manufacturing process, properties and uses of– cotton, Jute. Silk lifecycle. Manufacturing process of viscose rayon & polyester fiber.				
<b>UNIT II</b>	<b>Yarn manufacturing Process:</b> 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. Sewing thread and its				
<b>UNIT III</b>	<b>Woven fabric production process:</b> 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–Airjet–Waterjet. Basic Weaves and its properties– Plain weave, Twill, Satin and Sateen weave structures.				
<b>UNIT IV</b>	<b>Knitted fabric manufacturing process:</b> Knitting introduction-classification of weft & warp knitting - knitting Elements – Difference between knitting and weaving, knitted fabric and woven fabric. Working process of single and double jersey machines. Types of knitting needles and stitches (knit, tuck, and missstitch). Types of knitted structures -plain, rib purl and inter lock. Knitted fabric defects –causes and remedies.				
<b>UNIT V</b>	<b>Introduction of Preparatory process-</b> Singeing, Desizing, Scouring, Bleaching. Dyeing–Definition & Classification – Methods of dyeing –Types of dyeing machines. Printing – types, methods and styles of printing–. Finishing-Objects & Types of finishing – Aesthetic finish and Functional finish				
<b>Outcomes</b>				<b>Knowledge Level</b>	
Understanding about various fibers properties and its applications Question; Define, classify, Explain, Apply.				<b>K3</b>	
Able to choose the yarn suitability of selected end use Question; Define, objects, classify, Explain.				<b>K2</b>	
Understand and analyses the various types of woven fabrics Question; Define, classify, Analyse, Apply.				<b>K1</b>	

Understand the concepts of knitted fabric production, fabric characteristics, end uses & structure analyses. Question; Define, classify, Analyse, Comparison.	<b>K4</b>
Understand the dyeing & printing techniques and selection of dyes for suitable fabric Question; Define, classify, Explain, Apply.	<b>K4</b>
<b>Reference &amp; Text Books:</b>  S.P.Mishra(2005).“ATextBookofFibreScienceandTechnology”,NewAgeInternational(P) Ltd,NewDelhi, BernardP.Corbman,(1983).“TextilesFibertoFabric”McGrawhillPublications. Ganapathy Nagarajan,(2014).Textile Mechanisms in Spinning and Weaving Machines, Wood head Publishing India in Texiles. W.S.Murphy,(2003).“Textile Weaving & Design”, Abhishek Publication. Anbumani,(2006).KnittingManufactureTechnology,NewAgeInternational,Chennai. ShenaiV.A.,(1981)“TechnologyofTextileProcessing”,Sevakpublications,Bombay. R.S.Prayag,(1994)“Textile Finishing” ,ShreeJ Printers, India.	
<b>Related Online Contents [MOOC,SWAYAM, NPTEL, Websites etc.]</b>  <a href="https://textilelearner.net/category/fiber/">https://textilelearner.net/category/fiber/</a> <a href="https://textilestudycenter.com/category/yarn-engineering/">https://textilestudycenter.com/category/yarn-engineering/</a> <a href="https://fashion2apparel.blogspot.com/2017/07/classification-loom.html">https://fashion2apparel.blogspot.com/2017/07/classification-loom.html</a> <a href="http://textilefashionstudy.com">http://textilefashionstudy.com</a> <a href="https://www.textileschool.com/343/fabric-wet-processing-techniques/">https://www.textileschool.com/343/fabric-wet-processing-techniques/</a>	

<b>SEMESTER - I</b>				
<b>Course Code</b> 81312	<b>DFMPM</b>	<b>Sewing Technology</b>	<b>T</b>	<b>Credits:3</b> <b>Hours:4</b>
<b>UNIT - I</b>				
<b>Objectives</b>	<p><b>To teach these wing machine parts, types and its functions</b></p> <p><b>To enable the students to know the stitch formation and types</b></p> <p><b>To teach about the machine planning and layout.</b></p> <p><b>To teach about the seams types and its applications</b></p> <p><b>To enable the students to know the marker planning &amp; pressing equipment's</b></p>			
<b>UNIT I</b>	Introduction to sewing, history of sewing machines, types of sewing machines, parts & functions of single needle machine, double needle machine, over lock machine.			
<b>UNIT II</b>	Formation of stitch, stitch types & classification. Features & uses of chain stitch lock stitch, Multithread chain stitch, over edge chain stitch & covering chain stitch, attachments used in Sewing machine.			
<b>UNIT III</b>	Machine planning-definition, what are the factors affecting the machinery allocation. Machine layout-definition, Basic concept of machine layout, what are the factors affecting machine layout			
<b>UNIT IV</b>	Seams & seam finishes-definition, types of seams and seam finishes and their applications. Sewing machine- maintenance, common problems & remedies.			
<b>UNIT V</b>	Marking methods, positioning marking types of markers, efficiency of a marker plan, requirements of marker planning. Pressing Equipment's – purpose, pressing equipment's and methods – iron, steam press, steam air finisher, steam tunnel, special types–pleating, permanent press.			
<b>Outcomes</b>				<b>Knowledge Level</b>
Understanding about the sewing machine functions and types Question; Define, classify, Explain.				<b>K3</b>
Able to choose the stitches for selected end use Question; Define, objects, classify, Explain.				<b>K2</b>
Understand the concept of machine layout. Question; Define, classify, Analyse, Apply.				<b>K1</b>
Understand the techniques of seams preparation and machine maintenance details. Question; Define, classify, Analyse, Comparison.				<b>K4</b>
Understand the concepts of marker plan and requirements Question; Define, classify, Explain, Apply.				<b>K4</b>
<b>Reference &amp; Text Books:</b>				
<p>LaingR.M.WebsterJ.“Stitchesandseams”,Thetextileinstitute1998.</p> <p>JacobSolinger.,“ApparelManufacturingHandbook”,VanNostrandReinholdCompany(1980)</p> <p>HaroldCarr andBarbaraLatham(1994)“TheTechnologyof ClothingManufacture”Blackwell Science</p>				

Chris Jefferys(2004), 101 Essential Tip-Basic Sewing, D.K. Publishing

Besty Hose good(2006), The complete book of sewing, Dorling Kindersley Ltd., London

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

<https://garmentsmerchandising.com/parts-of-sewing-machine-and-their-functions/>

<https://fashion2apparel.com/sewing-machine-parts-and-functions/>

<https://theseamanmom.com/finishing-seams/>

<http://textilefashionstudy.com>

<https://blog.treasurie.com/seam-finishes-without-a-serger/>

SEMESTER -I					
Course Code 81313	DFMPM	Business Communication	T	Credits:-3	Hours:-4
UNIT -I					
<b>Objectives</b>	<ul style="list-style-type: none"> <li>To gain basic knowledge about communication</li> <li>To impart knowledge about Commercial letters &amp; Essay writing</li> <li>To gain knowledge in mass media, drafting reports and create business letters</li> <li>To teach the different types of Ecommerce and its advantages &amp; disadvantages</li> <li>To teach the human values, post thinking &amp; personality development</li> </ul>				
<b>UNIT I</b>	<b>Business Communication:</b> Introduction–Definition-Specific objectives of business communication. Methods of communication. Types/ Kinds of business communication –barriers to communication.				
<b>UNIT II</b>	Nature and scope of Business English-Introduction, meaning–Importance–Characteristics of good commercial letters. Essay writing – introductory remarks and hints on essay writing.				
<b>UNIT III</b>	<b>Mass Media In Communication:</b> Definition of mass media – Types of mass media. <b>Drafting Of Business Reports:</b> Definition–Kinds of Reports. Drafting of Speeches–Listening skill, introductory remarks <b>Letter writing:</b> Classification of Letters –Functions of business letters.				
<b>UNIT IV</b>	<b>E-Commerce:</b> Definition–Different types of E-Commerce –Advantages of E-Commerce– Disadvantages of E-commerce.				
<b>UNIT V</b>	Morale–Ethics–Human values–post thinking & goal setting–Problem solving and decision making –Time management –Personality development				
<b>Outcomes</b>				<b>Knowledge Level</b>	
Student can apply the knowledge by speaking confidently and communicating effectively in different business situations.				<b>K1</b>	
Student can understand the commercial letters and to make an essay writing.				<b>K3</b>	
The student creates and designs different letter formats effectively in a realistic way with reference to organizational goals				<b>K4</b>	
Students understand and applying the concept of E commerce				<b>K6</b>	
Student can understand about the human values, problem solving, decision making & time management.				<b>K2</b>	
<b>Reference &amp; Text Books:</b>					
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-HallofIndia,Delhi Sharma, SangeetaandBinodMishra.CommunicationSkillsfor Engineersand1.Scientists:PHI LearningPvt. Ltd.,New Delhi					
<b>Related Online Contents[MOOC,SWAYAM,NPTEL,Websitesetc.]</b>					
<a href="https://www.geektonight.com/business-communication-pdf-notes/">https://www.geektonight.com/business-communication-pdf-notes/</a> <a href="https://bbamantra.com/business-communication-introduction/">https://bbamantra.com/business-communication-introduction/</a> <a href="https://www.icsi.edu/media/webmodules/CSEET/BUSINESS_COMMUNICATION_printable.pdf">https://www.icsi.edu/media/webmodules/CSEET/BUSINESS_COMMUNICATION_printable.pdf</a>					

**SEMESTER -I**

<b>Course Code</b> 81314	<b>DFMPM</b>	<b>Textile Testing</b>	<b>P</b>	<b>Credits: 2</b>	<b>Hours:5</b>
<b>Objectives</b>	<ul style="list-style-type: none"> <li>To teach how to identify the fibers and determine the yarn count</li> <li>To learn the yarn strength, twist and crimp.</li> <li>To improve the knowledge in fabric strength test</li> <li>To understand the knitted fabric and woven fabric Analyses.</li> <li>To learn the procedure and methods of color fastness test.</li> </ul>				
<b>UNIT I</b>	Introduction about textile testing. Identification of Textile Fiber, Determination of yarn count using wrap Reel and Beesley balance.				
<b>UNIT II</b>	Determination of Lea strength using Lea strength tester. Determination of Single yarn twist and Crimp test.				
<b>UNIT III</b>	Determination of fabric thickness and Determination of fabric bursting strength.				
<b>UNIT IV</b>	Determination of fabric tearing strength. Determination of fabric GSM, Loop length, CPI, WPI. Determination of fabric cover factor, EPI,PPI				
<b>UNIT V</b>	Determination of Colorfastness of the given fabric by launder meter. Determination of Color fastness of the given fabric by Crock meter.				
<b>Outcomes</b>					<b>Knowledge Level</b>
Understand the concept of yarn count determination and calculation. Question; Define, Analyse, Apply.					K3
To enable the students, to understand the yarn strength, twist and crimp. Question; Define, Analyse, calculate.					K2
Understand and analyse the fabric strength Question; Analyse, Apply.					K1
To enable the students to understand the fabric weight calculations Question; Define, Analyse, Calculate.					K4
To determine the different types of color fastness. Question; Determine, Apply.					K5
<b>Reference &amp; Text Books</b>					
BoothJE,(1970),Principles of Textile Testing,, Hoy Books, London. Angappan P and Gopalakrishnan R,Textile Testing, ,S S M Institute of Textile Technology, Komara Palayam. Objective evaluation of fabrics, Styios G,John Wiley & Sons USA Fiber Science, Mishra S P and KesavanB K,S S M Institute of textile technology, Komarapalayam.					
<b>Related Online Contents[MOOC,SWAYAM, NPTEL, Websitesetc.]</b>					
<a href="https://textilelearner.net/what-is-textile-testing">https://textilelearner.net/what-is-textile-testing</a>					
<a href="https://textilestudycenter.com/category/yarn-engineering/">https://textilestudycenter.com/category/yarn-engineering/</a>					
<a href="https://www.onlinetextileacademy.com/category/wet-processing">https://www.onlinetextileacademy.com/category/wet-processing</a>					
<a href="https://textilevaluechain.in/in-depth-analysis/articles/textile-articles/textile-testing-and-quality-control/">https://textilevaluechain.in/in-depth-analysis/articles/textile-articles/textile-testing-and-quality-control/</a>					
<a href="https://archive.nptel.ac.in/courses/116/102/116102029/">https://archive.nptel.ac.in/courses/116/102/116102029/</a>					

**SEMESTER -I**

<b>Course Code</b> 81315	<b>DFMPM</b>	<b>Garment Construction</b>	<b>P</b>	<b>Credits:2</b>	<b>Hours:5</b>
<b>Objectives</b>	<ul style="list-style-type: none"> <li>• To stitch a samples for basic finishes</li> <li>• To create samples for basic garment outlines</li> <li>• To create a samples for decorative</li> <li>• Draft a pattern for basic children’s and women’s garments</li> <li>• Draft a pattern for basic men’s garments</li> </ul>				
<b>UNIT I</b>	Preparation of Samples for Seams, Seam Finishes and hems. Preparation of Samples for Fullness (Darts, Tucks, Pleats, Gathers, Flares, Ruffles, Godets and Gathers)				
<b>UNIT II</b>	Preparation of Samples for Necklines and Pockets. Preparation of Samples for basic collars and basic sleeves.				
<b>UNIT III</b>	Preparation of Samples for Plackets (hooks, press button, button and button holes) and Openings with Fasteners (zippers and Velcro).				
<b>UNIT IV</b>	Draft a pattern and construct for children’s garment (Jabla, Rompers) and women’s garment (Designer Salwar and Kameez)				
<b>UNIT V</b>	Draft a pattern and construct for men’s garment (shirt with trousers)				
<b>Outcomes</b>					<b>Knowledge Level</b>
Stitched samples for garment finishing Questions: To stitch a sample, classify					K1
Stitched samples for fasteners Questions: To create, To stitch outlines					K2
Stitched samples for garments decoration Questions: To stitch the openings					K3
Discover new techniques in pattern making and garment construction Questions: To stitch the garments					K4
Discover new techniques in pattern making and garment construction Questions: To stitch the garments					K5
<b>Reference &amp;TextB ooks</b>					
“Cuttingandtailoringcourse”GayatriVermaandKapilDev,Computech Publications,2009.					
ShriK.R.Zarapkar, “System of cutting”, Navneet Publications(INDIA)limited,2010.					
Mary Mathews, “Practical clothing construction”, PrintedbyBhattarams, Copyright1995					
<b>Related Online Contents[MOOC,SWAYAM, NPTEL, Websites etc.]</b>					
<a href="http://www.go-woman.com/wpcontent/uploads/factsheets/FREE_Sewing_Book.pdf">http://www.go-woman.com/wpcontent/uploads/factsheets/FREE_Sewing_Book.pdf</a>					
<a href="http://brittlebooks.library.illinois.edu/brittlebooks_open/Books2009-">http://brittlebooks.library.illinois.edu/brittlebooks_open/Books2009-</a>					
<a href="http://cbseacademic.in/web_material/doc/fashion_studies/3_XII_Text_Book.p">http://cbseacademic.in/web_material/doc/fashion_studies/3_XII_Text_Book.p</a>					
<a href="http://buc.edu.in/sde_book/fashion_design.pdf">http://buc.edu.in/sde_book/fashion_design.pdf</a>					

Course Code 81316	DFMPM	Fashion Illustration	P	Credits:2	Hours: 5
<b>Objectives</b>	<ul style="list-style-type: none"> <li>To study the drawing objective and silhouettes types</li> <li>To study the color theories and its application in garment design.</li> <li>To understand the croqui is head theory</li> <li>To understand Human Parts Proportion and hairstyling.</li> <li>To illustrate fashion croqui is with styling for different categories Men, Women and Kids</li> </ul>				
<b>UNIT I</b>	1. Perspective view drawing and objective drawing. Drawing of various textures and textile design art.				
<b>UNIT II</b>	<ol style="list-style-type: none"> <li>Oil pastel</li> <li>Colour pencil</li> <li>Water colour</li> <li>Acrylic colour</li> </ol>				
<b>UNIT III</b>	<ol style="list-style-type: none"> <li>Drawing of different types of silhouettes.</li> <li>Illustrating head theories</li> <li>stick figures– 81/2,9and 10</li> <li>converting block figure in to fleshy figure</li> <li>Head theory81/2, 9,10 and 12</li> </ol>				
<b>UNIT IV</b>	10 Illustrate facial features –eyes, nose, lips, chin, ears, hand sandlegs.11Illustrate hair styles for kids, men and women.				
<b>UNIT V</b>	<ol style="list-style-type: none"> <li>Illustrate children’s garment for various seasons.</li> <li>Illustrate men’s and women’s garment for various occasions</li> </ol>				
<b>Outcomes</b>					<b>Knowledge Level</b>
<b>To understand the Drawing spectacles , texture varieties</b> <i>Questions: Arrange, Choose, Define, Describe, Find, How, List, Match, Name, Relate, Recall, Show, What, Why.</i>					<b>K1</b>
<b>To understand the color composition, color schemes and applying color to bring the textile form of the garment.</b> <i>Questions :Arrange, Choose,Define,Describe,List,Match, Name,Relate,Recall,Show, What,Why.</i>					<b>K2</b>
<b>To understand different head proportions and different postures. Understanding the human body for designing the garment.</b> <i>Questions:classify,compare,convert,Explain,Express,Illustrate,Outline,</i>					<b>K3</b>
<b>Illustrations about Human parts with hairstyling</b> <i>Question:Categories,Classify,Compare,Distinguish,Generate,Examine,Interpret,Operate,Simplify.</i>					<b>K4</b>
<b>Illustrations with garment styling that would make an understanding to illustrate for different seasons in fashion.</b> <i>Question:Construct,Develop,Discover,Identify,Interview,modify, Predict,Practice,Solve.,</i>					<b>K5</b>
<b>Reference &amp; Text Books</b>					
Patrik JohnIrel and BatsfordLtd;edition1982, Fashion design drawing and presentation.					
Caroline Tatham,JulianSeamanBarron'sEducationalSeries;2011,Fashiondesign drawing course					
Alexandra Suhner Pepin Press 2012,TechnicalDrawingforFashionDesignVol.2: Garment Source Book(Fashion Textiles)					
ByBina Ablng 2000 by Prentice Hall, Fashion Rendering with Color					

M.Kathleen Collussy, Steve Greenberg 2008 by Prentice Hall, Fabrics & Prints designs  
2nd Edition

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

[www.rituberi.com](http://www.rituberi.com)

[www.manishmalhotra.in](http://www.manishmalhotra.in)

[www.benetton.com](http://www.benetton.com)

SEMESTER -I					
Course Code	DFMPM	Computer Aided Designing	T	Credits:3	Hours:3
81317					
<b>Objectives</b>	<ul style="list-style-type: none"> <li>To create basic design</li> <li>To design garment with motif and color</li> <li>To create design and draft a pattern to children's</li> <li>To create design and draft a pattern to Women's</li> <li>To create design and draft a pattern to Men's</li> </ul>				
<b>UNIT I</b>	Create a brand name and logo design. Create a size label and care label.				
<b>UNIT II</b>	Creating a motif and apply it in a garment-Design development Creating a color separation in T-shirt garment				
<b>UNIT III</b>	Design, develop patterns and calculate the Marker Efficiency Children's apparel- Yoke frock, Babasuit, T-shirt.				
<b>UNIT IV</b>	Design, develop patterns and calculate the Marker Efficiency Women's apparel with Flared skirts, Full Gown, Blouse (Front & back)				
<b>UNIT V</b>	Design, develop patterns and calculate the Marker Efficiency				
<b>Outcomes</b>				<b>Knowledge Level</b>	
Understand the basic outline design Questions: To create, To design				K1	
Analyzed the garment design and color Questions: To create, To design				K2	
Learned about garment designs Questions: To create, To design				K3	
Learned about garment designs Questions: To create, To design				K4	
Learned about garment designs Questions: To create, To design				K5	
<b>Reference &amp; Text Books</b>					
Chris Spear, "System Verilog for Verification", Springer(2012)					
PN Rao, "CAD/CAM: Principles and Applications Paper back", Mc Graw Hill Education,(2017)					
Cheryl R.Shrock, "Beginning Auto cad Exercise Book",(2010)					
<b>Related Online Contents[MOOC,SWAYAM, NPTEL, Websites etc.]</b>					
<a href="https://www.glamsen.se/CadTools.htm">https://www.glamsen.se/CadTools.htm</a>					
<a href="https://textilelearner.net/list-of-cad-cam-software/">https://textilelearner.net/list-of-cad-cam-software/</a>					
<a href="http://www.coreldraw.com/en/product/corel-cad">www.coreldraw.com/en/product/corel-cad</a>					

SEMESTER -II					
Course Code 81321	DFMPM	Apparel production planning	T	Credits:3	Hours:5
<b>Objectives</b>		<ul style="list-style-type: none"> <li>To enable the students to know about the cost control, cost reduction techniques &amp; cost analyses systems of production</li> <li>To study the basic knowledge about apparel production.</li> <li>To enable the students to know the planning and scheduling</li> <li>To teach the students about the production planning steps and layouts.</li> <li>To enable the students to know the concept of time study, documents record and time management system</li> </ul>			
<b>UNIT I</b>	<b>Fiber:</b> Introduction about production planning- Importance of production- Manpower and machine planning. Functions of production planning department. Basic production systems. Productivity-Standards-Factors affecting productivity- Productivity measures.				
<b>UNIT II</b>	Raw material source and purchase planning-operation of planning and scheduling. Inventory system Scheduling techniques –Routing procedure. Dispatching procedure-Monitoring-Follow up				
<b>UNIT III</b>	Production planning –steps in production planning. Qualitative & quantitative analysis of production. production layout-process layout-sequence of operation– production process				
<b>UNIT IV</b>	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.				
<b>UNIT V</b>	Estimation quantity and cost-Cost control–Element of cost control–cost analysis system–how to control on production system–cost reduction techniques-Analyze improvement on planning method.				
<b>Outcomes</b>				<b>Knowledge Level</b>	
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 to wards the work plan, inspection and quality management systems. Question; Define, classify, Analyze, Comparison.				K4	
Able to develop managerial skills to increase the production in apparel industry Question; Define, classify, Explain, Apply.				K4	
<b>Reference &amp; Text Books</b> 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.RameshBabu(2012)“IndustrialEngineeringinApparelProduction,Woodheadpublishing  
India in textiles  
JacobSolinger,(1998)“ApparelProductionHandbook”,ReinholdPublications,  
ChuterA.J.,(2001)“IntroductiontoClothingProductionManagement”,BlackwellScientific  
Publications, Oxford

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

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

<https://textilestudycenter.com/category/yarn-engineering/>

<https://www.learnpick.in/prime/documents/ppt/1167/production-planning-and-control>

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

<https://www.techtarget.com/searcherp/definition/production-planning>

SEMESTER -II					
Course Code 81322	DFMPM	Apparel Quality Assurance	T	Credits:3	Hours:5
<b>Objectives</b>	<ul style="list-style-type: none"> <li>To understand the basics of apparel quality.</li> <li>To learn and understand about defects of textile materials</li> <li>To enable the students to know the quality standards.</li> <li>To learn about testing methods for Quality inspection</li> <li>To facilitates the understanding of Apparel quality assurance principles and process.</li> </ul>				
<b>UNIT I</b>	<b>Quality control:</b> Define - Quality, QC, QA, Importance of quality and quality control. Raw material inspection-fabric inspection-4 points system-10 points system-in process inspection-final inspection -no inspection-100% inspection –statistical sampling-AQL standards and preparing specifications.				
<b>UNIT II</b>	<b>Defects and Quality control:</b> 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 – Fish bone diagram –Flowchart–Control chart.				
<b>UNIT III</b>	<b>ISO Standards:</b> Need for ISO 9000 - ISO 9001-2008 Quality System - Elements, Documentation, Quality Auditing-QS9000-ISO14000-Concepts, Requirements and Benefits-TQM Implementation in manufacturing and service sectors. Ecotex concepts.				
<b>UNIT IV</b>	<b>Testing:</b> Accessories testing-sewing threads, button, lining, interlining, hook, laces, elastics & packing materials, Testing of dimensional stability -bow-skewness -shrinkage.				
<b>UNIT V</b>	<b>Apparel Quality Assurance:</b> Apparel Quality Assurance in Packing–importance–types. Ware housing–scope & importance – Shipping procedure.				
<b>Outcomes</b>				<b>Knowledge Level</b>	
Student will be able to Outline quality and its parameters. Questions: Define, Objects, Analyze, Explain.				K1	
Students will be able to Analyze various defects of textile materials Question; Define, objects, classify, Explain.				K2	
To learn Generalize the concept of ISO implementation Question; Define, classify, Analyze, Apply.				K3	
Understand and Predict the quality of raw materials through testing Question; Define, classify, Analyze, Explain.				K4	
Summarize the functions of apparel quality assurance Question; Define, classify, Analyze, Explain				K5	
<b>Reference &amp; Text Books</b>					
<p>Wiley Eastern,(1990)“Total quality management- a practical approach”, JacobSolinger., “Apparel Manufacturing Hand book”, VanNostr and Reinhold Company(1980) RuthEC, “Apparel manufacturing and sewing product analysis”, Pradipmetha, Satishk. Bhardwaj, “Managing quality in the apparel industries”, NIFT, Newage international(p)ltdpublishers,ND PradipVMetha,(1992) “Introduction to quality control” ,ASCQ quality press.</p>					

**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 -II**

<b>Course Code</b> 81323	<b>DFMPM</b>	<b>Fashion Merchandising</b>	<b>T</b>	<b>Credits:-</b> 3	<b>Hours:-</b> 5
<b>Objectives</b>	<ul style="list-style-type: none"> <li>• To learn about basics in merchandising</li> <li>• To study about basic concepts in fashion merchandising</li> <li>• To describe the vendor sourcing and development</li> <li>• To explain the fashion and apparel product lines</li> <li>• To learn Flow process of sample merchandising in fashion</li> </ul>				
<b>UNIT I</b>	Fashion Merchandising: Introduction, Meaning-Apparel Merchandising, Process of merchandising, needs of merchandiser, Importance of merchandising				
<b>UNIT II</b>	Merchandising business and business, Concepts of „Six Rights“–Organization structure of an fashion industry– Classification of Exporters –Rating or Grading of export houses–Classification of fashion buyers–Export merchandising and retail merchandising in fashion.				
<b>UNIT III</b>	Types of fashion 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.				
<b>UNIT IV</b>	Work of fashion merchandiser-role of merchandiser in garment Industry, apparel industry, super market and retail sales, ,Concepts of fashion merchandising-apparel product lines, dimensions of product change, determination and development of product line and product range				
<b>UNIT V</b>	Flow process of sample merchandising, Procedure of sample preparation, Flow process of product merchandising, Procedure of product preparation, study on product development. Preparation of shipment sample in fashion merchandising				
<b>Outcomes</b>				<b>Knowledge Level</b>	
Understand the importance in merchandiser role in fashion industry Question: meaning, needs, importance				K1	
Studied about merchandising business and exports in fashion industry Question: concepts, classify				K3	
Learned the types and vendor sourcing in fashion merchandising Question: types, functions, reasons				K4	
Understand the fashion product change and dimension Question: Roles, concepts, dimensions				K6	
Learned about product development and shipment preparation Question: Process, procedure, preparation				K2	
<b>Reference &amp; Text Books</b>					
<p>JamesClark,“FASHIONMERCHANDISING:PRINCIPLESANDPRACTICE”,RedGlobe Press(2020)Young designers(2013),“Apparel Design and Merchandising” Doris H Kincade, “MERCHANDISING OF FASHION PRODUCTS”, Pearson Education (2011)Rosy Boardman,“Fashion Buying and Merchandising the Fashion Buyer in A Digital Society”, <b>Taylor &amp; Francis (2020)</b> Nidhi Sachdeva, “Fashion: Marketing, Merchandising and Buying”, Heritage Publishers(2018)</p>					

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

<https://www.artinstitutes.edu/about/blog/what-is-fashion-merchandising>

<https://fashive.org/learning-fashion-via-online-fashion-merchandising-courses-an-introduction/>

[https://en.wikipedia.org/wiki/Fashion\\_merchandising](https://en.wikipedia.org/wiki/Fashion_merchandising)

SEMESTER -II					
Course Code 81324	DFMPM	IT Skills For Merchandiser	P	Credits:-7	Hours:-10
<b>Objectives</b>	<ul style="list-style-type: none"> <li>To create a format for material purchasing</li> <li>Format creating for Excel sheet used</li> <li>To create a slides for textile based company</li> <li>To create a data base format in MS-Access</li> <li>To create and composed mail for recipient</li> </ul>				
<b>UNIT I</b>	<b>MS-Word:</b> Creating and Formatting Content Collaborating Merge, Insert, View, Edit, Track Mode Etc. Managing Documents Prepare a specification sheet material purchasing using MS-Word.				
<b>UNIT II</b>	MS – Excel: Creating, Analyzing & Formatting Data & Content Collaborating -Insert, View, Editetc. Managing Workbooks Prepare an employee pays lip for your company Prepare an annual report with graphs and charts for the products inventory for a company Prepare an inventory statement by applying filter and sorting functions.				
<b>UNIT III</b>	MS-Power point: Creating & Formatting Content Collaborating-Edit, Add, Delete Comments, Merge Managing & Delivering Presentations Prepare an advertisement and visiting card for your company using MS-Power point. Prepare a presentation about your textile based company using MS-Power point.				
<b>UNIT IV</b>	MS-Access: Prepare a data base for storing employee details in a table using MS-Access.				
<b>UNIT V</b>	E-Mail: Compose and send an E-Mail and using attachments to arecipient.				
<b>Outcomes</b>				<b>Knowledge Level</b>	
Prepared a spec sheets Question: How, tools, type, used, save				K1	
Understand the formats used in preparing annual reports Question: How, create, align, charts				K3	
Prepared a slides for ads and cards Question: How, create, color, font, design				K4	
Understand the table using method Question: How, insert, delete, select, row and column				K6	
Learned about E-Mail creating and editing Question: How, files, compose, send, attachments				K2	
<b>Reference &amp;Text Books</b> <u>JohnM.McCann,JohnP.Gallagher, “Databases &amp; Knowledge Systems in Merchandising”, VanNostrandReinhold(1991)</u> <u>HansWeber,“ComputerSystemsandNetworkingGuide”,NarratedbyCliffWeldon(2009)</u> <u>ExpertsArihant,“OBJECTIVEComputerAwareness”,ArihantPublicationIndiaLimited (2019)</u> <u>JohnMaluth,“BasicComputerKnowledge”,AmazonDigitalServicesLLC -Kdp(2016)</u> <u>P.K.SINGH,“COMPUTERFUNDAMENTALS(SEMESTER-1)”,VKGLOBAL PUBLICATIONS(2015)</u>					

**RelatedOnlineContents[MOOC,SWAYAM,NPTEL,Websitesetc.]**

<https://in.indeed.com/career-advice/resumes-cover-letters/computer-skills>

<https://in.indeed.com/career-advice/resumes-cover-letters/basic-computer-skills>

<https://www.simplilearn.com/computer-skills-and-their-importance-article>

SEMESTER -II					
Course Code 81325	DFMPM	Portfolio Presentation	P	Credits: 7	Hours:10
<b>Objectives</b>		<ul style="list-style-type: none"> <li>To build up a them based designing skill</li> <li>To develop port folio boards with computer application</li> <li>To develop port folio boards with computer application</li> <li>To have an understanding of design presentation</li> <li>To have an understanding of Final presentation combined with photography and make over skills</li> </ul>			
<b>UNIT I</b>	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)				
<b>UNIT II</b>	To create an story board, Mood board, color board (To be presented separately or in a combined form)				
<b>UNIT III</b>	To create an Swatch board, Accessories board, Pattern Board (To be presented separately or in a combined form)				
<b>UNIT IV</b>	To create an design development chart(To be presented separately or in a combined form)				
<b>UNIT V</b>	To create a Final Presentation (Photograph of the Garment).				
<b>Outcomes</b>				<b>Knowledge Level</b>	
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 goodes the tic appeal				K5	
<b>Reference &amp; Text Books</b>					
<p>“Fashion Portfolio: Design andPresentation”,<u>AnnaKiper</u>,BatsfordPublication2016</p> <p>“Portfolio Presentation for Fashion Designers” ,Linda Tain, Fairchild Publication2018</p> <p>“Design Your Fashion Portfolio”, Faerm, Steven, A &amp; C Black Publication 2011</p>					
<b>Related Online Contents[MOOC,SWAYAM, NPTEL, Websites etc.]</b>					
<p><a href="https://www.apparelsearch.com/fashion/designer/name/a/anna_sui/spring_fashions_anna_sui_fashion_designer_guide.htm">https://www.apparelsearch.com/fashion/designer/name/a/anna_sui/spring_fashions_anna_sui_fashion_designer_guide.htm</a></p> <p><a href="http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827">http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827</a></p> <p><a href="https://fashionandillustration.com/en/how-to-make-a-fashion-collection/">https://fashionandillustration.com/en/how-to-make-a-fashion-collection/</a></p>					

SEMESTER -II					
<b>Course Code</b> 81326	<b>DFMPM</b>	<b>Internship Viva</b>	<b>I</b>	<b>Credits: 5</b>	<b>Hours:10</b>
<b>Objectives</b>	<ul style="list-style-type: none"> <li>• Expose the students to the work environment</li> <li>• Familiarise and adapt to the workplace</li> <li>• Understand the methods, techniques and practices followed in the place of training</li> <li>• Knowledge about the industry, machinery and their process</li> <li>• Training on various departments in apparel, textile and designing areas</li> </ul>				
<b>UNIT I</b>	Training in Spinning, Weaving, Knitting, Non-Woven.				
<b>UNIT II</b>	Training in Textile Processing unit /Chemical Processing unit				
<b>UNIT III</b>	Training in Garment unit, Home Textile unit.				
<b>UNIT IV</b>	Training in dyeing unit, Designing unit.				
<b>UNIT V</b>	Training in Apparel unit, Film Industry.				
<b>Outcomes</b>					<b>Knowledge Level</b>
Analyze the methods adopted in the training place					K3
Recognize the challenges in the training place					K2
Correlate to the theoretical knowledge gained in the college					K1
Discover the nuances of the work place and appreciate it					K4
Understand the working structure of the industry /company					K5
<b>Reference &amp; Text Books</b>					
Knitting Technology, D BAjgaonker, Universal Publishing Corporation, 1998					
An Introduction to Textile Finishing, Marsh. J. T, Chapman and Hall Ltd, London, 1948					
Textile Finishing, R.S. Prayag, Shree J Printers, India, 1994.					
<b>Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]</b>					
<a href="https://www.wikihow.com/Write-a-Report-After-an-Internship">https://www.wikihow.com/Write-a-Report-After-an-Internship</a>					
<a href="http://mfe-iseah-kef.blogspot.com/2013/11/internship-daily-journal.html">http://mfe-iseah-kef.blogspot.com/2013/11/internship-daily-journal.html</a>					
<a href="https://www.academia.edu/25257761/Student_Internship_Logbook">https://www.academia.edu/25257761/Student_Internship_Logbook</a>					
<a href="https://www.template.net/business/log/internship-time-log/">https://www.template.net/business/log/internship-time-log/</a>					

## 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.