

**SNDT Women's University
(sndt.ac.in)**

**Syllabus for Degree
of
Bachelor of Design**

(FACULTY OF INTERDISCIPLINARY)



Revised 2020-2021

Approved in ADHOC Board of Studies Meeting held on 16th September 2019

Approved in Academic Council Meeting dated 18th and 19th June, 2020

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Course

B. Design- Specialization Textile Design (TD)

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1. COURSE INTRODUCTION

Textile Design specialization under B. Design, deals with the thorough understanding of the Foundation of Textile. The specialization covers a wide array of Textiles Knowledge right from the technical aspects such as Fibers to Finishes of the Textiles. The aesthetics of Textiles are also given a major concern to suit the needs and demands of the Textile market 'globally'; by specifically designed content in the subjects such as Design process, Design Development and Design Research.

In Textile Design specialization; Students are also equipped with computer skills at Design and Production level to cope up with newly emerging technology in the field of Textiles. The specially designed curriculum also delivers the necessary inputs in Computer Aided Textile Design, Print Development, Dobby Designs, and Exposure to Dyeing & Printing Techniques etc. to develop the skills and knowledge in learners that amalgamates the current and future industry requirements.

This curriculum of Textile Design is intended to provide students a comprehensive understanding of the textiles right from formation, function and innovation with various applications. The course also concentrates upon developing the skill sets for various Dyeing, Printing, Weaving and Creative Surface Exploration methods to foster the Creative ability.

The specially formulated course also deals in developing an understanding of Textile Testing and Quality Management which is a crucial aspect of the field. To develop the aptitude to suit the Textile Industry, specific Value Added subjects are also given in the curriculum in order to develop further advance skills required for the field. The electives helps learners to choose and perform their areas of interests which further can be cultivated as respective area for further education. The curriculum also includes an active involvement of the Industry in the form of various lectures, projects, workshops and seminars that inculcate the ability of the learners to grasp the content of the field.

The curriculum also deals in making learners understand the grass root level of the Textiles- in the form of Traditional Textiles of various regions of India in order to

conduct a research and design intervention in order to meet future sustainable global need.

FIRST YEAR B. DESIGN FOUNDATION

The first year will prepare the Foundation in "Textile Design".

- To introduce students with effective communication tools required in the Fashion business. To acquire skills for the effective communication.
- To understand and develop the use & application of Design elements like Lines, Shapes, Texture & Color to form a good design. To gain the understanding of Design elements like Lines, Shapes, Texture & Color that covers the psychological & visual association with the study of expressive & symbolic qualities
- To make students aware about physical environment and its components with various Natural resources with the concept of Ecology.
- To develop drawing skills required for designing through line, shading exercises, Nature study, object in space through Perspective & understanding of 2D & 3D forms through Orthographic & Isometric projections.
- To acquire knowledge and awareness of the types of different materials and explain the relevance and importance of material in design. Hands-on experience with exploring different Material to create different approaches and feeling in the product.
- To briefly introduce to the History of Art and design to express the influence of art and culture on the society as well as on fashion and also Art Appreciation to be able to discuss the application of art forms in design and distinguish various Indian arts and performing art forms in terms of its characteristics and features.
- To introduce the students to computer software's like Window – Word, Excel, Power-point and Internet application

- To understand and develop the use & application of terminologies, conventions, principles, and techniques concerning technical drawing and drafting. To be able to analyze technical and figurative drawing.

SECOND YEAR B. DESIGN TEXTILE DESIGN

The Second Year will prepare students to acquire in depth knowledge of the subjects.

- To combine chronological as well as conceptual understanding of Fiber Identification to yarn construction, design elements, practice and process for development of approach toward solving problems. To acquire the knowledge about the understanding and appreciation of the evolution of the Indian Traditional Textiles at the cradle of its origin and its variations through ancient time to most recent times.
- To learn the use and application of textile design repeats and acquires knowledge of tools and methods to create the textile composition. They will also learn the fashion terminology and various designers.
- The learner will be able to explain and appreciate the traditional textile crafts of India. And they will be able to distinguish between different motifs, color and weaving techniques used in traditional textiles along with their significance. The learner will also be able to explain and practice traditional Indian embroideries with types of motifs, stitches, colors and materials.
- To introduce two major categories of fiber-natural and manmade, yarn types its properties, spinning and two major types of fabric development through hands on practice.
- To develop the skills for drawing and understanding of Print developments with appropriate proportions, details & its relation with fabric for Fashion and Home furnishing purpose which is essential foundation to go for Textile design process.
- To introduce the students to various Raster or Vector computer design software's to create and convert their designs using ICT techniques. To acquire the knowledge of digitalized interpretation of designs with appropriate proportions, details & its relation with fashion and home furnishing which are essential.

- To learn the principals of Handloom and its various operational skills. To learn to develop various fabrics weaves using Design concept for an aesthetic as well as Technical understanding and interpretation for the respective client profile.
- To learn the fabric handling through basic fabric parameters such as weight, width etc.
- To acquire knowledge about the marketplace and the approach towards marketing. To introduce students with effective communication tools required in the fashion business.

THIRD YEAR B. DESIGN TEXTILE DESIGN

The Third Year will prepare students to acquire in depth knowledge of specialized subjects in related areas of Textiles.

- To get acquainted through Fabric illustration, about the effects of color and textures on the fabrics in terms of Weaves, Print and dyeing techniques.
- To gain the knowledge and skills to develop interpretation of the design through various dyeing and printing techniques.
- To learn about the various Dyeing and printing techniques this can be used for natural and synthetic fabrics.
- To obtain knowledge and understand of application of Technical Textiles, uses and its basic research projects
- To learn the knowledge about the colors and prints used in creating an aesthetically pleasing design that is the most important factor in the customer's decision to purchase end product. To learn the development and understanding for the relation of fabric and technology in the requirement of appropriate selection of the same for the desired end product.
- To develop the understanding about the purposes of the finishes and quality that prepares textile products for further processing and enhancing the aesthetics and/or performance of the final product.
- To impart the knowledge about the Traditional fabric made using different materials and techniques which acts as an expression of the tradition and culture of India.

- To identify and introduce the crafts which are to be revived and preserved, and suggesting solutions to the craft industry through craft research and design developments.

FOURTH YEAR B. DESIGN TEXTILE DESIGN

The Fourth Year will prepare students to apply in depth knowledge gained in various subjects in related areas of Textile as Electives.

- To gain work experience through Internship that can be incorporated in the Curriculum Vitae.
- To make students understand the complete process of Product Development through Design Project.
- To learn the different components of Fashion & Textile pipeline background and their purposes with the understanding of fashion retailing and Visual merchandising. The student will understand the Marketing focus, advertising approach and Fashion Promotional techniques of fashion industry.
- To make students understand how to make Portfolio which is in tune with industry requirement this is the compilation of their work.
- To develop a collection based on all the previous areas covered in fashion. This subject also aims at a thorough research on selected theme supported by a Design process to develop the whole range of clothing collection.
- To make students understand an in depth study of the electives such as “Woven, Print or Knitwear designs and Floor Coverings” in Fashion & Textile which is in tune with industry requirement.

CAREER OPPORTUNITIES FOR TEXTILE DESIGN

Textile Designers go through a lot of training to imbibe that thought process and to become experts in developing new ideas and deriving concepts. There are a number of careers in a variety of industries for Textile Design students which include:

CAREER OPPORTUNITIES IN TEXTILE DESIGN

- Textile Designer
- Textile Designer- Fashion Textiles
- Woven Designer
- Knitwear Designer
- Print Designer & Developer
- Computerized Embroidery Designer
- Quality Assurance Inspector for Textiles
- Freelance Textile Artist
- Home Furnishings Textile Design
- Visual Merchandiser
- Textile Consultants for Craft Based Design Developments
- Merchandiser for Textile Brads
- Product Developer for Interior Design
- Textiles Production Manager
- Quality Assurance Manager of Textiles
- Research and Development Analyst
- Textile Supply Chain Manager
- Textile Design Academician

2. Eligibility criteria for admitting students in first/second/third year in different Specializations of B. Design Program.

Eligibility criteria for admitting students in first/second/third year in different Specializations of B. Design Program.

B. Design- I Year

i. XII th Pass in any Stream – Arts/Commerce/Science/Home Science/ Minimum Competency Vocational Course (MCVC) including National Institute of Open Schooling (NIOS).

ii. Maharashtra State Board of Technical Education (MSBTE)/ State Govt. Technical Education full time diploma of minimum 3 years after Std. X (any stream)

iii. For NRI & Foreign students with equivalence from Association of Indian Universities (AIU), New Delhi

Criteria for selection of students for the 1st year (entry level) college shall conduct aptitude test on the basis of general knowledge, language and creative testing through studio test. On the basis of test performance students may be considered for the provisional admission. The provisional admitted students shall pass 12th standard exam or equivalent as prescribe by university with minimum 45%. Those colleges having less application for the seat may be filled up subjects to availability, however the aptitude test shall be conducted by the concerned college. For reservation criteria the benefits shall be parted as per the Government of Maharashtra and SNTD University Mumbai. In case the applicants are less for a particular college, the seats may be filled up subject to availability & interviews may be conducted.

THE CET IS NOT COMPULSORY. THE COLLEGE MAY CONDUCT THE SAME AT THEIR LEVEL. IN CASE OF THE COLLEGES NOT FOLLOWING CET CRITERIA THE SELECTION OF THE CANDIDATES SHALL BE GIVEN PREFERENCE FOR THE ACADEMIC RECORD. (Minimum Eligibility 45%)

B. Design- II Year

iv. Three year Diploma, Dress making and Garment Manufacturing or Equivalent recognized by All India Council for Technical Education (AICTE) with Bridge course of 8 credits

v. Five year Diploma in Fine Arts recognized by the State Technical Board with Bridge course of 8 credits

vi. Successful completion of 1st year Degree from National Institute of Fashion Technology (NIFT)

vii. Successful completion of 1st year Degree of any B Design Fashion Or Equivalent Course offered by Indian Universities / Foreign university with equivalence from AIU.

3. If the **BRIDGE COURSE** is suggested details of the same.
The following bridge courses are suggested

- History of Art and Design - 4 Credits Theory 2 Practical 2credits
- Material Studies – 2 Credits Practical.
- Fundamentals of design – 2 Credits Practical.

The prescribed bridge course needs to be completed by the candidate within the period of 60 days from the date of admission.

Admission to such candidate will be given up to 30 days from the commencement of the Semester.

B. Design- III &IV Year

Eligibility for admission to third and fourth year of B. Design will be according to the passing criteria and rules for ATKT as prescribed by University(Controller of Examinations)

For the Institutes who conduct Common Entrance Test

CET Procedure

The Entrance Examination will consist of General Ability Test + Studio Test / Group Discussions + Personal Interview. It is mandatory for all the candidates to give all three tests.

4. Exam Pattern:

Proposed evaluation pattern for new modular structure syllabus						
Theory Subject						
Credit	Credit	Internal	Internal	External	External	Total
TH	PR	TH	PR	TH	PR	
4	0	25	-	75	-	100
2	2	25	25	50		100
		25+25=50				
Practical Subjects						
0	4	100-Continuous assessment		-	-	100
0	4- University Exam	-	25	-	75	100

* B Design Examination Schedule for College level Sem I , II, III, IV
University Exam for V, VI, VII & VIII.

- All Practical subject exams except University level examination will have continuous assessment.
- University level Theory and Practical Examination will be as per the table given above.

5. Equipment required in the laboratory (wherever applicable)

The list of equipment is given below for laboratory facilities (Textile Design):

SR. No.	CATEGORY	ITEM	QUANTITY
1	Machine	Weaving Loom -12 shaft Table weaving loom	15
2		Warping Machine	3
3		Dobby & Jacquard Handloom Looms	1
4		Hand Flat Knitting lab with lower gauge	5
5		Computerized Knitting Machine	1
6		Beaker Dyeing Machine	2
7		Fabric Stiffness Tester	1
8		Yarn Count Tester	1
9		Yarn Twist tester	1
10		Yarn Microscope	3
11		GSM cutter and weighing scale	02
12		Colour Fastness tester- Croc-O-Meter	1
13		Single Needle lock stitch Machine – Juki or equivalent	10
14		Vacuum Pressing Machine	1
15		Emb. Machine (zig-zag) or equivalent	2
SR. No.	CATEGORY	ITEM	QUANTITY
1	Equipment	Tracing Table	2
2		Screen Printing table	2
3		Screen Exposing table	2

4		Block Printing table	2
5		Traditional Blocks	30
6	Furniture	Drafting Tables	25
7		Stools	25
8		Class room tables	40
9		Chairs	40
SR. No.	CATEGORY	ITEM	QUANTITY
1	Computer & Accessories	Computer - 17"	30
SR. No.	CATEGORY	ITEM	QUANTITY
1	Dress Forms	Full Dummy	5
2		Full Mannequins	2
SR. No.	CATEGORY	ITEM	QUANTITY
1	Software	Window 98 or Similar open source	
2		Coral Draw or Similar open source	
3		Adobe Suite or Similar open source	
5		Textile CAD CAM software for Woven fabric	
6		Textile CAD CAM software for Printed fabric	
7		Textile CAD CAM software for Knitted fabric	

6. Appointment Criteria

QUALIFICATION REQUIRED FOR B.DESIGN –TEXTILE DESIGN

Sr. No	Post Name	Qualification
1.	Textile Design	<p>* M.Sc. in Textiles and Clothing +NET/SET (The course that has only Textiles and Clothing related subjects shall be considered for the appointment. As there are few Universities offering other area electives such as Child Development, Nutrition etc. such courses are not giving required inputs to consider for teaching qualification)+ experience of Fashion Industry/Fashion Education in High Repute Institution or equivalent.</p> <p>* Industry Experience of minimum 5 years required.</p> <p>* Consideration of selection on the basis of industry experience certificate and practical exam to evaluate skill sets.</p>

7. Course Structure

Bachelor of Design										
Foundation										
SEMESTER I										
Sr. No.	Subject	TC	Th C	Pr C	Hours	Internal		External		Total
						Th	Pr	Th	Pr	
1011	Drawing And Sketching (C)	4	-	4	120	100 marks continuous evaluation				100
1012	Environmental Studies (C)	4	4	-	60	25	-	75	-	100
1013	Fundamental Of Design (B)	4	2	2	90	25	25	50	-	100
						25+25=50				
1014	Communication Skills (B)	4	2	2	90	25	25	50	-	100
						25+25=50				
1015	History Of Art & Design (B)	4	2	2	90	25	25	50	-	100
						25+25=50				
	TOTAL	20								500
SEMESTER II										
Sr. No.	Subject	TC	Th C	Pr C	Hours	Internal		External		Total
						Th	Pr	Th	Pr	
2011	Technical Drawing-Foundation (C)	4	-	4	120	100 marks continuous evaluation				100
2012	Advance Design (B)	4	2	2	90	25	25	50	-	100
						25+25=50				
2013	Material Studies (C)	4	-	4	120	100 marks continuous evaluation				100
2014	Computers Application In Data Management And Presentation (C)	4	-	4	120	100 marks continuous evaluation				100
2015	Art Appreciation (B)	4	2	2	90	25	25	50	-	100
						25+25=50				
	TOTAL	20								500

B. Design Specialization in Textile Design

SEMESTER III

Sr. No.	Subject	TC	Th C	Pr C	Hrs.	Internal		External		Total
						Th	Pr	Th	Pr	
3411	Introduction to Fibres, yarns and fabric (A)	4	4	-	60	25	-	75	-	100
3412	Traditional Indian Textiles (A)	4	2	2	90	25	25	50	-	100
						25+25=50				
3413	Design Process (B)	4	-	4	120	100 marks continuous evaluation				100
3414	Textile Design -Foundation (A)	4	-	4	120	100 marks continuous evaluation				100
3415	Fashion Studies and Women's Studies (C)	4	4	-	60	25	-	75		100
	TOTAL	20								500

SEMESTER IV

Sr. No.	Subject	TC	Th C	Pr C	Hrs.	Internal		External		Total
						Th	Pr	Th	Pr	
4411	Introduction to Weaving and Testing (A)	4	4	-	60	25	-	75	-	100
4412	Surface Exploration Techniques (B)	4	-	4	120	100 marks continuous evaluation				100
4413	Fabric Development (A)	4	-	4	120	100 marks continuous evaluation				100
4414	Computer Aided Rendering Technique In Textiles (A)	4	-	4	120	100 marks continuous evaluation				100
4415	Fashion Management and Marketing & Merchandising (C)	4	4	-	60	25		75		100
	Total	20								500

SEMESTER V

Sr. No.	Subject	TC	Th C	Pr C	Hrs.	Internal		External		Total
						Th	Pr	Th	Pr	
5411	Dyeing and Printing- Basic (A)	4	4	-	60	25	-	75	-	100
5412	Fabric Illustration (A)	4	-	4	120	-	25	-	75	100
5413	Quality Management (A)	4	4	-	60	25	-	75	-	100
5414	Fabric Development and Computerized Embroidery (B)	4	-	4	120	-	25	-	75	100

5415	Forecasting (C)	4	2	2	90	25	25	50	-	100
	Total	20				25+25=50				500

SEMESTER VI										
Sr. No.	Subject	TC	Th C	Pr C	Hrs.	Internal		External		Total
						Th	Pr	Th	Pr	
6411	Knits For Apparel & Home Furnishing (B)	4	2	2	90	25	25	50	-	100
						25+25=50				
6412	Craft Documentation (A)	4	-	4	120	-	25	-	75	100
6413	Dobby Weaving (A)	4	-	4	120	-	25	-	75	100
6414	Dyeing and Printing- Advance (A)	4	-	4	120	-	25	-	75	100
6415	Innovation in Textile Studies (C)	4	2	2	90	25	25	50	-	100
	Total	20				25+25=50				500

SEMESTER VII										
Sr. No.	Subject	TC	Th C	Pr C	Hrs.	Internal		External		Total
						Th	Pr	Th	Pr	
7411	Jacquard Weaving (A)	4	-	4	120	-	25	-	75	100
7412	Computer Aided Textile Design (A)	4	-	4	120	-	25	-	75	100
7413	Design Project (A)	4	-	4	120	-	25	-	75	100
7414	Internship (B)	4	-	4	120	-	26	-	75	100
7415	Introduction to Entrepreneurship & IPR (C)	4	4	-	60	25	-	75	-	100
	Total	20								500

SEMESTER VIII										
Sr. No.	Subject	TC	Th C	Pr C	Hrs.	Internal		External		Total
						Th	Pr	Th	Pr	
	Elective (Any two) from 1-4					Th	Pr	Th	Pr	
8411	Floor Coverings (D)	4	-	4	120	-	25	-	75	100
8412	Knit Design(D)	4	-	4	120	-	25	-	75	100
8413	Woven Design (D)	4	-	4	120	-	25	-	75	100
8414	Print Design (D)	4	-	4	120	-	25	-	75	100
8415	Design Collection (A)	4	-	4	120	-	25	-	75	100

8416	Visual and Retail Management (C)	4	4	-	60	25	-	75	-	100
8417	Portfolio Development (B)	4	-	4	120	-	25	-	75	100
	Total	20								500

8. Course Details - All Subject Details

4-Year U.G. Degree Syllabus

B Design – Foundation Course

Semester – I

Subject	Credits	Total Hours	Marks		
Drawing and Sketching	4	120	100	-	100
Practical			Internal	External	Total

OBJECTIVES:

The learner will be able to-

- 1) Draw landscape, portrait using shading/ coloring technique with specified tools, techniques and mediums.
- 2) Sketch motifs as an interpretation of natural, geometrical objects and further convert them into abstract and stylized form.
- 3) Draw various technical steps involved in product development process.
- 4) Draw Object, perspective, still life and human figurative drawings.

CONTENT:

Block No	Objective	Topic/Content Analysis	Assignments	Marks
1	To be able to draw free hand drawing of landscape and portrait using shading /Coloring skill with various mediums	Exploration of mediums – 1. Pencil 2. Colour Pencil 3. Charcoal 4. Water medium Observation skills of natural and manmade objects 1. Formal features 2. Expressive features 3. Symbolic Composition	1) Practice of various types of lines. 2) Shading exercise with different grade pencils and colour pencils. 3) Detailed study of natural forms- (Leaves, Flowers) 5 nature elements to be selected	25

		nd layout		
2	To be able to draw objects by developing various motif in different styles and to copy, enlarge or reduce the motifs proportionately	Use of natural elements and convert the same to motifs. Copying and Enlargement and reduction of motifs or illustrations.	1) Motif development - 5 nature elements to be selected and converted into design variation like Geometric, abstract, stylized. 2) Copying, Enlargement and reduction of a motif 1: 3, 1:5, 1:8 scale	25
3	To be able to render three dimensional objects with one, two, three points perspective.	Object drawing Geometrical shapes Cube, Pyramid, Sphere Perspective drawings: cube and solid studies, Detailed discussion of one, two & three point Perspective.	1) Study of 3-D geometrical objects with different angles 2) Perspective drawings of Square, Cube, Circle, Sphere, Triangle, Pyramid (one, two & three point perspective.)	25
4	To be able to apply textures in drawing. To be able to draw technical and figurative drawings.	Development of texture Practice of line quality improvement and apply it to drawings. Different stages of products, still life, object drawing Introduction of human figurative drawings. Basic measurements and proportion.	1) Collect different texture and rendering 2) To imagine and interpret the various stages involved in making a product, through drawings(any one product)	25

Evaluation pattern –

Internal Assessment:100 marks continuous evaluation which includes Class Assignments (75 Marks) and Test (25 Marks)

REFERENCE BOOKS:

1. Deshpande R., (2004), "Colour Pencil", Jyotsna Prakashan Pune, 1stEdition.
2. Kamath V. (2006) "Sketching and Drawing", Jyotsna Prakashan Pune, 2ndEdition.
3. Mulik M. (2004), "Perspective", Jyotsna Prakashan Pune, 1stEdition.
4. Narvekar S., Narvekar A., "Grade Examination-Drawing Made Easy", Navneet Publication (India) Ltd.
5. Shelar S. (2007), "Still Life", Jyotsna Prakashan Pune, 1st Edition.
6. Vaze P., (2002), "Draw and Paint", Jyotsna Prakashan Pune, 1stEdition.

4-Year U.G. Degree Syllabus

B Design – Foundation Course**Semester – I**

Subject	Credits	Hours	Marks				
			Th	Pr	Th	Pr	
Environment Studies	4	60	25	-	75	-	100
Theory			Internal		External		Total

OBJECTIVES:

The learner will be able to -

- 1) Build awareness about physical environment and its components.
- 2) Gain Knowledge of natural resources and their types.
- 3) Develop the concept of ecology and its components.

CONTENT:

Block No	Objectives	Topic/Content Analysis	Assignments	% of weightage Marks
1	To be able to create awareness about physical environment and its components.	<p>The Multidisciplinary Nature of Environmental Studies</p> <p>Unit 1- Definition, Scope and Importance, Need for public awareness</p> <p>Natural Resources</p> <p>Unit 1- Renewable and Non- Renewable Resources</p> <p>Unit 2- Natural Resources and Associated Problems-</p> <p>a) Forest Resources: Use and Over- exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forests and tribal people.</p> <p>b) Water Resources: Use and Over-utilization of surface and ground water, floods, drought, conflicts</p>	Group Discussions And Test	25

	<p>over water, dams-benefits and problems</p> <p>c) Mineral Resources: Use and exploitation, environmental effects of extracting and using mineral resources, case studies.</p> <p>d) Food Resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilization- pesticide problems, water logging, salinity, case studies</p> <p>e) Energy Resources: Growing energy needs, renewable and non- renewable energy sources, use of alternate energy sources, case studies</p> <p>f) Land Resources: Land as a resource, land degradation, man induced landslides, soil erosion and desertification.</p> <p>Unit 3- Role of individual in conservation of natural resources Unit 4- Equitable use of resources for sustainable lifestyles</p>		
2To be able to create awareness of natural resources and their types.	<p>Ecosystems</p> <p>Unit 1- Concept of ecosystem Unit 2- Structure and function of ecosystem</p> <p>Unit 3- Producers, consumers and Decomposers</p> <p>Unit 4- Energy flow in the ecosystem</p> <p>Unit 5- Ecological succession</p> <p>Unit 6- Food chains, food webs and ecological pyramids.</p> <p>Unit 7- Introduction , types, characteristics features, structure and function of the following ecosystem- a) Forest ecosystem b) Grassland Ecosystem c) Desert ecosystem d) Aquatic ecosystem (pounds, streams, lakes, rivers, oceans, estuaries)</p> <p>Biodiversity and its conservation Unit 1- Introduction- Definition: genetic, species and ecosystem diversity.</p> <p>Unit 2- Bio-geographical classification of India</p> <p>Unit 3- Value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values</p> <p>Unit 4- India as a mega-diversity nation</p> <p>Unit 5- Hot-spots of biodiversity Unit 6- Threats to bio-diversity: habitat loss, poaching of wildlife, man-wildlife conflicts</p> <p>Unit 7- Endangered and endemic species of India</p> <p>Unit 8- Conservation of bio-diversity: In-Situ and Ex-situ conservation of biodiversity</p>	Group Discussions And Test	25

3	To be able to create awareness of ecology and its components.	<p>Environmental Pollution</p> <p>Unit 1- Definition, Causes, effects and control measures of – a) Air pollution b) Water pollution c) Soil pollution d) Marine pollution e) Noise pollution f) Thermal pollution g) Nuclear hazards</p> <p>Unit 2- Solid waste management: Causes, effects and control measures of urban and industrial waste</p> <p>Unit 3- Role of individual in prevention of pollution</p> <p>Unit 4- Pollution case studies Unit 5- Disaster Management: floods, earthquake, cyclone and landslides</p> <p>Social Issues and the Environment</p> <p>Unit 1- From Unsustainable to Sustainable development</p> <p>Unit 2- Urban problems related to energy</p> <p>Unit 3- Water conservation, rain water harvesting , watershed management</p> <p>Unit 4- Re-settlement and rehabilitation of people; its problems and concerns. Case studies</p> <p>Unit 5- Environmental ethics: Issues and possible solutions Unit 6- Climate changes, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust. Case studies</p> <p>Unit 7-Wasteland reclamation Unit 8- Consumerism and waste products</p> <p>Unit 9- Environment Protection Act Unit 10-Air (Prevention and Control of Pollution) Act</p> <p>Unit 11- Water(Prevention and Control of Pollution) Act</p> <p>Unit 12- Wildlife Protection Act Unit 13- Forest Conservation Act Unit 14- Issues involved in enforcement of environmental legislation</p> <p>Unit 15- Public awareness</p>	Group Discussions And Test	25
	4To be able to create awareness of human activities on ecology ant need to conserve the resources	<p>Human Population and the Environment</p> <p>Unit 1- Population growth, variation among nation</p> <p>Unit 2- Population explosion- Family Welfare Program</p> <p>Unit 3- Environment and Human Health</p> <p>Unit 4- Human Rights Unit 5- Value Education Unit 6- HIV/AIDS</p> <p>Unit 7- Women and Child Welfare Unit 8- Role of</p>	Group Discussions And Test	25

		Information Technology in Environment and Human health Unit 9- Case Studies Visit to local area to document environmental assets- a) rivers/forest/grassland/hill/mountain b) Local Pollution site- Urban/Rural/Industrial/ Agricultural c) Study of common plants/insects/birds d) Study of simple ecosystems- ponds, rivers, hill slope etc.		
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Evaluation pattern –

Internal Assessment: Test and Field Work- To Be Converted In To 25

External Assessment: Final Exam - 75 Marks.

REFERENCES:

1. Agarwal, K.C. (2001), "Environmental Biology", Nidi Publi.Ltd. Bikaner.
2. Brunner R.C. (1989), "Hazardous Waste Incineration", McGraw Hill Inc.480p.
3. Clark R.S, "Marine Pollution", Clarendon Press Oxford (TP).
4. Cunningham, W.P.Cooper (2001), "Environmental Encyclopedia", Jaico Publ. House, Mumbai, 1196p M.T
5. De A.K, "Environmental Chemistry", WileelyEastem Ltd.
6. "Down to Earth", Center for Science and Environment ®.
7. Erach. B., "The Biodiversity of India", Mapin Publishing Pvt.Ltd, Ahmedabad-380013, India.
8. Gleick, H.P (1993), "Water in crisis", Pacifics Institute for Studies in Dev., Environment & Security. Stockholm Env. Institute. Oxford Univ. Press.473p

4-Year U.G. Degree Syllabus
B Design – Foundation Course
Semester – I

Subject	Credits	Hours	Marks				
			Th	Pr	Th	Pr	
Fundamentals of Design	4	90	25	25	50	-	100
Theory and Practical			Internal	External		Total	

OBJECTIVES:

The learner will be able to -

- 1) Apply the elements of design in apparel design.
- 2) Apply a principles of design in apparel design.
- 3) Justify the psychological, formal and symbolic qualities of elements and principle of design

CONTENT:

Block No	Objective	Topic/Content Analysis	Assignments	% of weight age Marks
1	To be able to apply elements of design justifying psychological, formal and symbolic qualities.	Study & Exploration of Elements of Design – Point, Line, Form, Space Color, Tone, Texture.	Students will develop 3 collages incorporating all the elements of design. They will explain the mood and concepts of those collages. They will reason out the use of elements to create the mood.	25
2	To be able to apply line and shape in creating optical illusion in apparel.	Line – i) Directing ii) Dividing	Develop the given rendered figure showing directing and	25

			dividing lines with its psychological effects.	
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		Shape – i) Geometric ii) Natural iii) Non-objective iv) Silhouettes i.	Develop the given rendered figure using line creating optical illusion	
3	To be able to apply colour, texture in print form specifically required in apparel.	Texture – i. Visual ii. Tactile iii. Audible Colour – ii. Colour wheel iii. Value iv. Intensity v. Hue vi. Colour scale Colour schemes	Develop 3 Prints with the help of Natural shape, Geometric shape & Abstract shape. Use the colour schemes for rendering .	25
4	To be able to apply the principles of design in apparel design.	Study & Exploration of principles of design – Unity, harmony, balance, emphasis/ dominance, rhythm, proportion	Students will select one image related to fashion figure. They will re-render the figure incorporating all the principles of design. Total 3 figures are expected.	25

Evaluation pattern –

Internal Assessment: Class Assignments and Class Test – (Theory 25, Practical 25) To Be Converted In To 25 marks

External Assessment: Final Exam - 50Marks. (Theory)

REFERENCE BOOKS:

1. Everlett F. (1987), "*Fashion Design*", EDC publishing.
2. Jones. S.J.(2005), "*Fashion Design*", Laurence King.MarianL.Devis (1980), "*Visual Design in Dress*", Prentice Hall.
3. Mckelvey K.(2008), "*Fashion Forecasting*", Jennie Munslow.
4. Steckes P. (1996), "*Fashion Design Manual*", Palgrave Macmillon.

4-Year U.G. Degree Syllabus
B Design – Foundation Course
Semester - I

Subject	Credits	Hours	Marks				
			Th	Pr	Th	Pr	
Communication Skills	4	90	25	25	50	-	100
Theory and Practical			Internal		External		Total

OBJECTIVE: -

The learner will be able to

1. Apply communication skills in different linguistic functions
2. Apply the skills related to listening reading, writing, and speaking
3. Effectively use the business communication skills.

CONTENT

Block No.	Objectives	Topic/Content Analysis	Assignments	Marks
1	Extract relevant and useful information for a specific purpose after listening.	Listening skills 1. Understanding of main idea. 2. Specific factual information 3. Recognizing opinions/attitudes and purpose of a speaker 4. Abstract formation of verbal speech	To listen to a specific conversation and then write the summary of the same for main idea factual information, and abstract- Two speech analysis.	25
2	Apply perception for reading with sensitivity and drawing conclusions and differentiate between key ideas and supporting details in reading.	Reading Skills 1. Reading for main ideas, 2. Reading for details 3. Understanding inferences and implied meaning 4. Recognizing a writer's opinions, attitudes and purpose.	To read a short passage, take notes on a short lecture and then write a summary including main idea, inference, writer's opinion and attitude and abstract.	25
3	Examine a text and comment on different aspects of it.	Writing Skills 1. Construct an argument based on a critical analysis of the text. 2. Develop that argument in essay format by : - Limiting the topic - Formulating a clear thesis - Developing well-constructed paragraphs - Integrating textual support	To write on a particular topic, to explain a preference, to give a description, to explain what student might do in a given situation, or to compare and contrast one idea or option with another and give a preference. The essay should be four to five paragraphs long (app.300	25

		through quotation, paraphrase and summary - Editing for unity, coherence, organization, and thoroughness.	words)-2 assignments	
4	Express the ideas and opinions in an effective way.	Speaking Skills 1. Answering a range of questions. 2. To speak at length on a given topic 3. To express and justify opinions. 4. To analyze and discuss the issues.	To give a topic to students for debate and give 30 minutes to respond to a topic on which they may speak about their views.-3 assignments	25

EVALUATION PATTERN –

Internal Assessment: Class Assignments and Class Test –To Be Converted into 25 marks (Theory 25, Practical 25)
External Assessment: Final Exam - 50Marks. (Theory).

REFERENCE BOOKS:

1. Dr. Loughheed Lin,(2013),” *Barron’s IELTS*”, Barron’s education, Canada, 2nd Edition.
2. Educational Testing Service, (2012), “*Official Guide to the TOEFL Test*”, The McGraw- hill companies.inc, fourth edition.
3. Dahama O.P. & O.P. Bhatnagar, (2014) “*Education & Communication for Development*”, Oxford & Ibh Publications, 2nd Edition.
4. Dr. Rodrigue, “*Business communication*”.
5. Mohan K. & Banerjee M., 2009, “*Developing Communication Skills*”, MacMillan India Ltd., Delhi

B Design – Foundation Course
Semester – I

Subject	Credits	Hours	Marks			
			Th	Pr	Th	Pr
History of Arts and Design	4	90				
			25	25	50	-
Theory and Practical			Internal	External	Total	

OBJECTIVE:

The learner will be able to -

- 1) Express the influence of art & culture on the society as well as on fashion.
- 2) Express the contemporary art and its influence on fashion..

CONTENT:

Block No	Objective	Topic/Content Analysis	Assignments	% of weightage Marks
1	To be able to explain the developments of Art, culture and its influence in the Society	Art in India during Prehistoric period, Indus valley/Harappa civilization	To Prepare presentation on the arts those were present during prehistoric and Indus valley civilization.(can be a group activity, one person will study one art in-depth)	5
2	To be able to explain the tradition and perspective of Indian culture	Historic period: (Before Mughal era) Different dynasties and their sculpture, painting and traditions.	1. To Prepare presentation on the arts those were present during historic period before Mughal era 2. To Prepare presentation on sculptures, painting, traditions and renowned architecture monuments (can be a group activity, one person will study one art in-depth)	25
3	To be able analyze the traditional and cultural painting	Phase of miniature paintings: (Before British era) Mughal painting, Rajput painting, Rajasthan painting,	To develop one design related to any miniature painting and to Prepare presentation on miniature painting art of any given category.	25

		Mewar, Bundi, Jaipur and Pahari painting.		
4	To be able to express about the contemporary art of modern India	Modern Indian art.	1. To Prepare presentation on any one modern art. 2. To develop a product using one type of contemporary art.	25

Evaluation pattern –

Internal Assessment: Class Assignments and Class Test – (Theory 25, Practical 25) To Be Converted In To 25 marks

External Assessment: Final Exam - 50Marks. (Theory).

REFERENCE BOOKS:

1. Adams S. (1996), *“Art & Craft Movements”*, Quintent Publication Ltd.1st Edition.
2. Alkazi R., *“Ancient Indian Costumes Vol I and II”*, McGraw Hill.
3. Geczy A. &Karamines V. (2012), *“Fashion & Art”*, Bloomsbury Publications.
4. Miller F (2000), *“Art & Fashion”*, Thames & Hudson.
5. Pipes A. (2008), *“Foundation of art & design”*, Laurence King Pub. Ltd.
6. Ragan M., *“Understanding Art”*, McGraw Hill.
7. Ragan M., *“Exploring Art”*, McGraw Hill.
8. Tomory E., *“History Indian and western art”*, McGraw Hill.

B Design – Foundation Course**Semester - II**

Subject	Credits	Total Hours	Marks		
Technical Drawing	4	120	100	-	100
Practical			Internal	External	Total

OBJECTIVES:

The learner will be able to -

- 1) Draw technical drawing of design as specified.
- 2) Analyze technical and figurative drawing.

CONTENT:

Block No	Objective	Topic/Content Analysis	Assignment	% of weight age Marks
1	To be able to describe the terminologies, conventions, principles and techniques concerning technical drawing and drafting.	Introduction of Technical Drawing. Concept of drafting and geometrical nomenclature	Draw different types of line using Technical Drawing instruments.	25
2	To be able to divide the different geometrical shapes technically..	Construction Exercises	Assignment on construction exercise.	25
3	To be able to express shape division proportionately. To be able to convert 3 dimensional shapes into 2 dimensional shapes and vice versa.	- Proportion Systems. - Geometrical study of the environment Geometrical Construction – Division of lines and Angles, Arcs and Continuous Curve, Tangents, Conic Sections, Regular Polygon, Spirals, Proportion Systems.	1 Geometrical Construction. (Divide a circle in 12 parts Conversion of 3D into 2D (Front view, Top View and Side View of One object.) Conversion of 2D into 3D (Construct 3 D Image from 3	25

		2 Dimensional Figures and 3 Dimensional figures	views of one object)	
4	To be able to interpret analytical drawing.	Analytical Drawing <input type="checkbox"/> Continuous wire frame structure <input type="checkbox"/> Sectional view <input type="checkbox"/> Exploded view	To select an image and to develop the analytical drawing for the same.	25

Evaluation pattern –

Internal Assessment:100 marks continuous evaluation which includes Class Assignments (75 Marks) and Class test (25 Marks)

REFERENCE BOOKS:

1. Anne A. & Julian S. (1994), *“Fashion Drawing The Basic Principles”*, B.T. Basford ,London.
2. Basia S.(2010), *“Technical Drawing for Fashion”*, Laurence King Pub., U.K.
3. Gordon R. (2008), *“Perspective Drawing: A Designer's Method”*, Fairchild Books Pub.
4. Zeshu T. (2009), *“Fashion Design Techniques”*, Page One Pub. Pvt. Ltd., Singapore

4-Year Degree Under Graduate (UG) Syllabus

B. Design. Foundation Course

Semester – II

Subject	Credits	Hours	Marks				
			Th	Pr	Th	Pr	
Advance Design	4	90	25	25	50	-	100
Theory and Practical			Internal		External		Total

OBJECTIVES:

The learner will be able to -

- 1) Describe and apply various color theories in design.
- 2) Depict and identify colour characteristic in relation with color psychology.
- 3) Relate Elements and Principles of design in developing a product in respect with specific theme.

CONTENT:

Block No.	Objective	Topic/Content Analysis	Assignments	Marks
1	To be able to identify different texture and its visual effects through the application in design. And also to apply the gained knowledge to interpret certain moods in apparel design.	Expressive qualities of Design Elements Line – i. Psychological effects of line ii. Optical Illusion Shape – i. Psychological ii. visual effects	Two 6X6 inches composition of geometrical shape using textures. one with pencil and one with color.	25
2	Interpretation of mood created by the texture. And to know the formal qualities of the colors by making students aware of the psychological and visual effects of various colors through diff. color combinations.	Texture – iii. Psychological effects of line iv. Optical Illusion Colour – Colour psychology Visual effects	Two 8X8 inches composition using warm and cool color schemes One nature drawing showing value and color	25
3	To be able to describe color philosophy and use	Color compositions and philosophy of colors.	Application of color Compositions	25

	them according to various moods, color harmony, contrast and apply it in various design disciplines.		Composition with the concept of psychological significance of the color	
4	To be able to describe and draw with practical experience of creating a design with various elements & colours	Creating final products justifying the appropriate application of elements and Principles of design.	Term project based on elements & Principles of Design.	25

Evaluation pattern –

Internal Assessment: Class Assignments and Class Test – (Theory 25, Practical 25) To Be Converted In To 25 marks

External Assessment: Final Exam - 50Marks. (Theory)

REFERENCE BOOKS:

1. Devis. M.L. (1980), "*Visual Design in Dress*", Prentice Hall.
2. Everlett F.(1987), "*Fashion Design*", EDC publishing.
3. Jones. S.J. (2005)," *Fashion Design*", Laurence King.
4. McKelvey K. (2008), "*Fashion Forecasting*", Jennie Munslow.
5. Steckes P. (1980), "*Fashion Design Manual*", Palgrave Macmillon.

4-Year Degree Under Graduate (UG) Syllabus

B Design – Foundation Course

Semester - II

Subject	Credits	Total Hours	Marks		
Material Studies	4	120	100	-	100
Practical			Internal	External	Total

OBJECTIVES:

The learner will be able to -

- 1) Use and apply the different materials that create different approaches and feelings in the product.
- 2) Relate various materials and explore them to enhance and reward various products.

CONTENT:

Block No	Objective	Topic/Content Analysis	Assignments	% of weight age Marks
1	To be able to explain the relevance & importance of Materials in design	To develop an understanding of behavior, characteristic, properties, dimensionality, physical and visual potential of the basic materials (Solid, Plainer, Linear and Granular)	A report presentation on Research of different basic materials	25
2	To be able to use hands-on experience with exploring different ways of manipulating material.	To educate and create an interest for material and their potentials through manipulations		25
3	To be able to use the technical tools for material manipulation and creation of product	Orientation of basic hand tools, cutting tools & techniques to manipulate following materials 1. Wood 2. Plastic 3. Metal 4. Glass	Creation of one product using any one material.	25
4	To be able to manipulate specified materials.	Materials- 1. Paper 2. Clay 3. Textiles 4. Leather	Submission of creative paper bags [4 bags of different shapes Submission of clay relief work and	25

		5 Wax	coil pottery.	
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Evaluation pattern –

Internal Assessment:100 marks continuous evaluation which includes Class Assignments (75 Marks) and Class test (25 Marks)

REFERENCE BOOKS:

1. Newman (June 1969), "*Plastic as an art form*", Univ Book Service.
2. Thelmar V.R. (Mar 14, 2003), "*Material Science*", Motilal UK Books of India.
3. Verhelst, Wilbert (January, 1988), "*Sculpture : Tools, Materials and Techniques*", Prentice Hall; 2 Sub edition.

4-Year U.G. Degree Syllabus
B Design – Foundation Course
Semester – II

Subject	Credits	Total Hours	Marks		
Computers Application In Data Management And Presentation	4	120	100	-	100
Practical			Internal	External	Total

Fashion Industry requires a specific application in terms of preparation exclusively design slides, spread sheets, documents in specific formats. The backend software may be free sources or specific software.

OBJECTIVES:

The learner will be able to -

- 1) Use the basic principles of computer hardware, software & other devices of computers.
- 2) Use word processor, spreadsheets and presentation .

CONTENT:

Block No	Objective	Topic/Content Analysis	Assignments	% of weightage Marks
1	To be able to explain the Computer hardware components and windows.	About Computer, Software and other devices... Introduction to hardware components of computers Using internet windows Explorer Managing files and folders Network Neighborhood and shortcuts	Application based assignments ON About Windows ... Ex. Create folder, Meaning of RAM, Use of computer	25
2	To be able to use the knowledge of word processor related elements, tools and features.	Document Creation in relevant software: Introduction to Word Processor Overview of Word Processor Packages Importance & Usage of Various Tools. Use of word in different areas Document concept – (Creating, Saving, Opening, Closing Document) Formatting document (Bold, Italic, Underline, Justification, fonts, colors of fonts, format painter) Copy, cut and paste working with margins and page setup Tables	Tool & feature Based assignments on relevant software (Ex.- Insert header & footer, Picture, table, mail merge. Etc.)	25

		<p>Uses of drawing toolbar Columns, header & footers Printing procedure Spell Check & Thesaurus Adding a chart to the report Mail Merge Converting Documents Working With Graphic & Charts.</p>		
3	To be able to use the knowledge of Spreadsheet, related elements, tools and features.	<p>SPREAD SHEETS Introduction to spreadsheets. Overview of spreadsheet packages. About Excel. Role of spreadsheets in day to day life. Understanding spreadsheets. Inserting, deleting and hiding columns / rows. Usage of formulae and functions. Working with charts and Graphs. Printing a sheet. Sort & Filter.</p>	<p>Tool & feature Based assignments on Spread sheets. Ex.- Insert Picture, table, Etc.</p>	25
4	To be able to use the knowledge of a presentation software related elements, tools and features and making of professional presentations.	<p>Use of presentation software. Making & Delivering Presentation. Different types of slide layouts. Slide view, slide sorter view and slide show buttons. Working with shapes, Transitions, Slide show. Applying design templates and backgrounds. Transitions & custom animation effects. Recording voice in presentation. Electronic presentations.</p>	<p>Tool & feature Based assignments on Presentation Package (Microsoft Power Point) Ex.- Insert Picture, transition, animation. Etc.</p>	25

Evaluation pattern –

Internal Assessment: Class Assignments and Class Test - To Be Converted In To 100

REFERENCE BOOKS:

Usually the software manuals are available. There are open sources which may be used for teaching purpose. Certain specific software's guides are mentioned below as a reference.

1. Joe Habraken, (2010) *"Microsoft Office 2010 in depth"*, 1st Edition.
2. Steve Johnson, (2010) *"Microsoft Office 2010 on demand"*, 1st Edition.
3. Kate Shoup, (2010), *"Office 2010 Simplified"*, 1st Edition.
4. Corinne Hoisington, (2010), *"A guide tour of Microsoft Office 2010"*, 1st Edition.
5. Tom Bunzel, (2010), *"Easy Microsoft Office 2010"*, 1st Edition.
6. Anna E. Barron & Karen S. Ivers, *"The Internet and Instruction"*.

4-Year Degree Under Graduate (UG) Syllabus

B. Design. Foundation Course

Semester – II

Subject	Credits	Hours	Marks				100
			Th	Pr	Th	Pr	
Art Appreciation	4	90	25	25	50	-	
Theory and Practical			Internal		External		Total

OBJECTIVES:

The learner will be able to -

- 1) Distinguish various Indian art and performing art forms in terms of its characteristics and features.
- 2) To be able to discuss the application of art forms in design.

CONTENT:

Block No	Objective	Topic/Content Analysis	Assignments	% of weight age Marks
1	To be able to explain various specified Indian arts using presentation as a tool.	Definition of art and aesthetics Classification of arts Indian Karu (skill based) and Charu art (pleasure to soul through senses) (a brief acquaintance of Kamasutra) art based on eye (visual arts) art based on eye and ear (performing arts) art based on rhythm and movement (dance and drama) professional and liberal art	1.The students will prepare presentation on all the art and its classifications 2. group discussion based on presentation	25

2	To be able to analyze Indian art sculpture/ painting	Six limbs of Indian art (shadanga) Roop bheda (form and form impact) Pramana (proportion) Bhav (expression- brief introduction on rasa theory) Lavanya yojana(aesth etic scheme) Sadrishya (similitude) Varnika Bhanga (colour scheme)	1. The students will Prepare presentation on art work of six limbs of Indian art sculpture / painting 2. Group discussion based on presentation	25
3	To be able to develop the ability to discuss the aesthetics and beauty .	Introduction of aesthetics and Indian concept of beauty “Satyam shivam Sundaram”, Western concept of beauty	1. The students will prepare a photo montage / collage with concept of the pictures beautiful according to you A3 size 2. Group discussion of the same based on the concepts of beauty	25
4	To be able to describe the origin of Indian culture in terms of different art forms and their integration.	Introduction to various below mention arts through workshops Dance, State wise Music, State wise Paintings Handicrafts	1. The students will Prepare presentation on state wise cultural heritage like dance, music, painting and handicraft 2. Group discussion on aesthetic value and appreciation of art	25

Evaluation pattern –

Internal Assessment: Class Assignments and Class Test – (Theory 10, Practical 15) To Be Converted In To 25 marks
External Assessment: Final Exam - 50Marks. (Theory)

REFERENCE BOOKS:

1. *“Aesthetics”*, Ashok, Lalit Kala Publication, Aligarh
2. *“Cultural Leaders of India”*, Aestheticians by publication division ministry of information & broadcasting GOI.
3. *“Indian Aesthetics”*, Kumar Swami.

4-Year Degree Under Graduate (UG) Syllabus

B. Design Textile Design

Semester - III

Subject	Credits	Total Hours	Marks				
			Th	Pr	Th	Pr	
Introduction To Fiber, Yarn and Fabric	4	60	25	-	75	-	100
Theory			Internal		External		Total

OBJECTIVES:

The learner will be able to:

1. Describe the textile industry as the primary material source for the apparel, interior furnishings and industrial products industries.
2. Explain the properties of fibers to yarn and its manufacturing techniques.
3. Describe various methods of textile construction like weaving, knitting Lacing, Braiding, Netting and Non-Woven.
4. Describe textile finishing processes and their effects on fabrics.

CONTENT:

Block No	Objective	Topic/Content Analysis	Assignments	Marks
1	To be able to describe the segments and functioning of textile industry.	The Textile Industry ☐ Major Textile Production segments ☐ Primary sources ☐ Secondary sources ☐ Domestic import textile industries ☐ Fairs/ trade shows.	Presentation on primary and secondary sources. Textile Industry Visit (Report submission)	25
2	To be able to explain fibers their relationship and properties to fiber behavior.	Fibers: - Classification - Composition / Origin/ manufacture of natural and manmade fibers - Performance criteria of fibers - Properties and characteristics of natural and manmade fibers - Fiber blends	Collection of different fibers for the fiber content, microscopic appearance and burning test.	25
3	To be able to distinguish various types of yarn, spinning techniques and their effect on yarn	Spinning- - Spinning of natural and manmade fibers - Ring Spinning - Open end	Test	25

	properties.	-Jet -Rotary Types of yarn On the basis of parts, Fibers, Twist & Appearance - Yarns Count properties Of Simple Yarn Novelty yarns Textured yarns Properties & their & their uses		
4	To be able to distinguish the major classification of fabric construction techniques & explain types of finishes given to the textile products.	Fabric Construction - Lacing - Braiding - Netting - Weaving - Knitting - Non Woven Finishes - Classification of finishes - Preparatory - Stabilizing - Aesthetic - Functional	Collection of Sample of fabrics with different construction techniques. Presentation on types of finishes.	25

Evaluation pattern –

Internal Assessment: Class Assignments and Class test - To Be Converted In To 25
External Assessment: Final Exam - 75 Marks.

REFERENCE BOOKS:

1. Cobman B., (1983), "Textiles from fiber to fabric", Mc Graw Hill International Edition, 6th Edition.
2. Collier B. and Toratora P., (2001), "Understanding Textiles", Prentice Hall Inc. 6th Edition.
3. Price A., Cohen A., Johnson. I, (1999), "J.J. pizzato's Fabric Science", Fairchild Publication, 7th Edition.
4. H. Eberle, M. Homberger, Menzer D., Hermling H., Kiglus R., Ring W., (2002), "Clothing Technology", Europa Lehrmittal.
5. Gioello D.A., (1996), "Understanding Fabrics: from fiber to finished cloth", Fairchild Publication, New York.
6. Humphries M., (2009), "Fabric reference", Pearson Prantice Hall, 4th Edition.
7. Hallett C. and Johnston A., (2010), "Fabric for fashion", Laurence King Publishing.
8. Gupta S., Garg N., Saini R., (2005), "Text book of clothing textiles and laundry", Kalyani Publishers, Ludhiana.
9. Kadolph J.S., (2005), "Textiles", Pearson Prantice Hall, 10th Edition.
10. Jefferson S., (2005), "Clothing Technology", Abhishek Publications, Chandigarh.

4-Year Degree Under Graduate (UG) Syllabus

B. Design Textile Design

Semester – III

Subject	Credits	Hours	Marks				
			Th	Pr	Th	Pr	
Traditional Indian Textiles	4	90	25	25	50	-	100
Theory and Practical			Internal	External	Total		

OBJECTIVES:

The learner will be able to:

1. Explain and appreciate the traditional textile crafts of India.
2. Distinguish between different motifs, color and weaving techniques used in traditional textiles along with their significance.
3. Explain and practice traditional Indian embroideries with types of motifs, stitches, colours and materials.

CONTET:

Block No	Objective	Topic/Content Analysis	Assignments	Marks
1	To be able to explain the Importance and significance of textile crafts of India.	Historical significance of traditional textile.	Visit to Museum And report to be submitted.	25
2	To be able to describe and evaluate fabrics by applying knowledge of the traditional textiles and their contribution to the end product in its original and contemporary form.	Study of the woven textiles in relation to Origin, Motifs, Looms, weaves, colors and end use of the following :- Jamdani, Baluchari, Tangial, Chanderi , Maheshwari, IkatPatola, Pochampally, Paithani, Banaras, Brocades , Kanjivaram, Kota, Himroo, Mashru.	Presentation on traditional textiles in relation to Origin, Motifs, Looms, weaves, colors and end use	25
3	To be able to explain the importance and uses of dyed and printed textiles in India.	Introduction to the Dyed & Printed Textile Origin, Significance, Method, Colours Madhubani, Kalamkari, Patchitra batik Print, Bagh Print, Bandhani, Ajrak Print, Sanganer Print, Bagru Print	Presentation on traditional dyed and printed textiles in relation to Origin, Significance, Method, Colours.	25

4	To be able to explain and evaluate fabrics by applying knowledge of the traditional embroideries and possibility of use in contemporary products.	<p>Introduction to the Embroidered Textiles Origin, threads, stitches, Motifs, colors layout and end use of the following state:-</p> <p>Kashida of Kashmir, Phulkari of Punjab, Embroidery of Sindh, Kutch and Kathiawar, Chikankari of Uttar Pradesh, Appliqué work of Bihar and Orissa, Embroidery of Manipur, Kasuti of Karnataka, Kantha of Bengal, Chamba Rumal of Himachal, Gold and Silver Embroidery</p>	<p>Identification of traditional motifs of respective state embroideries and develop composition with the same of size 6" X 6". Total 25 hand drawn samples in traditional colors.</p>	25
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Note: Traditional motifs file to be created for all the Traditional Textiles, Printed, Dyed and embroidered crafts by the students individually by Hand.

Evaluation pattern –

Internal Assessment: Class Assignments and Class Test – (Theory 15, Practical 10) To Be Converted In To 50 marks

External Assessment: Final Exam - 50Marks. (Theory)

REFERENCE BOOKS:

1. Ambasanyal and Chishti K, (1989) , *"Saris of India"* , AmrVastraKosh,Wiley Eastern Limited, New Delhi
2. Chattopadhyay K., (1995), *"Handicrafts of India"* , New age International Publishers Ltd.,New Delhi.
3. Crill R. & Murphy V., (1991), *"Tie-Dyed textiles of India"* , Victoria & Albert Museum,London..
4. Crill R., (1999), *"Indian Embroidery"* , Victoria & Albert Museum, London.
5. Helna D. C, (1988), *"Ikat textiles of India"* , Chronicle Books,Sanfrancisco.
6. Dhamija J and Jain J, (1989), *"Handwoven Fabrics of India"* , Mapin Publishing Pvt,Ltd.Ahmedabad.
7. Kapur C. and Ambasanyal, (1989). *"Saris of India"* , AmrVastraKosh,Wiley Eastern Limited, New Delhi.
8. Lynton Linda, (1995), *"The Sari"* , Thames &Hudson, London
9. Shrikant U., (1998), *"Ethnic embroidery of India Part I"* , Usha Shrikant,Pune.
10. Shrikant U., (2002), *"Designs for a life time"* , Samata Entreprise,Mumbai.
11. Shrikant U., (2009), *"Ethnic embroidery of India Part II"* , Usha Shrikant,Pune.
12. Singh K V, (2009), *"Indian Saris"* , Wisdom Tree, New Delhi.

4-Year Degree Under Graduate (UG) Syllabus

B. Design Textile Design

Semester - III

Subject	Credits	Hours	Marks			
			Th	Pr	Th	Pr
Design Process	4	120				100
				100		
Practical			Internal	External	Total	

OBJECTIVES:

The learner will be able to:

1. Explain the design concept to develop the creative vision in textile design.
2. Examine and evaluate aesthetics in textile design.
3. Explain the demographic profile of women in India and the present situation and changes in status of women.

CONTENT:

Block No	Objective	Topic/Content Analysis	Assignments	Marks
1	To be able to explain the definitions, concept, innovation and aesthetic in design in relation to market research	<ul style="list-style-type: none"> ☐ Definitions of design ☐ Design and innovation ☐ Design aesthetics 	Brand Study with respect to their designing and target clientele	25
2	To be able to explain the definitions, concept, innovation and aesthetic in design in relation to market research	<ul style="list-style-type: none"> ☐ Inspiration ☐ Identification of market 	Brand Study with respect to their designing and target clientele	25
3	To be able to use design process to create textile products.	<ul style="list-style-type: none"> ☐ Perception of design ☐ Design quality and built in attributes ☐ Design complexity 	Production and presentation of textile products according to brand study.	25
4	To be able to use design process to create textile products.	<ul style="list-style-type: none"> ☐ Translation of information for manufacturing design Production and Design presentation	Production and presentation of textile products according to brand study.	25

Evaluation pattern –

Internal Assessment:100 marks continuous evaluation which includes Class Assignments (75 Marks) and Class test (25 Marks)

REFERENCE BOOKS:

1. Alison B. And Terry B., (2004), "*Computer Aided Pattern Design And Product Development*", Blackwell Publication.
2. Aspelund K., (2006), "*Design Process*", Fairchild Publications.
- 3.

4-Year Degree Under Graduate (UG) Syllabus

B. Design Textile Design

Semester - III

Subject	Credits	Hours	Marks			
			Th	Pr	Th	Pr
Textiles Design Foundation	4	120				100
				100		
Practical			Internal	External	Total	

OBJECTIVES:

The learner will be able to:

1. Use the principles of design to create textile designs for apparel & fabrics.
2. Create textile designs through the use of various techniques such as traditional or contemporary styles.
3. Enhance and interpret elements of design in the form of creative textile design.

CONTENT:-

Block No	Objective	Topic/Content Analysis	Assignments	% weightage of Marks
1	To be able to create design for textiles, as related to apparel & fabric.	<ul style="list-style-type: none"> ☐ Definition & scope of design in textiles ☐ Design Interpretation --application of elements of design in view of Principles of Design 	Developing 4 Motifs (home decor/apparel) Using Different Elements Applied By Principle Of Designs	25
2	To be able to create different types of motif & their stylizations.	Traditional & Contemporary motifs <ul style="list-style-type: none"> ☐ Geometric ☐ Floral ☐ Conversational ☐ Ethnic Types of Textures <ul style="list-style-type: none"> ☐ Rough Matt ☐ Rough Glossy ☐ Smooth Matt ☐ Smooth Glossy 	<ul style="list-style-type: none"> ☐ Developing 5 Sample with given motifs. ☐ Collecting & Developing 5 Sample Of different textures 	25

3	To be able to make various layouts with motif to create design.	Layout of motifs <input type="checkbox"/> Corner <input type="checkbox"/> Border <input type="checkbox"/> Allover <input type="checkbox"/> Central <input type="checkbox"/> Half Drop <input type="checkbox"/> Full Drop <input type="checkbox"/> Brick <input type="checkbox"/> Repeat- Regular & Irregular	Developing Sample with different types of motif layouts using all above types of motifs. (Samples 8 each)	25
4	To be able to use and appreciate the art & aesthetics through design.	Components of Design 1. Structural Components- variation in fiber/ yarn & fabric development & finishes 2. Applied components- Finishes, Dyeing, Printing & Embroidery 3. Colour & fabric- How Colour Works Understanding the feel of fabric- Weight, warmth, Appearance & Behavior	Prepare a document that specifies visual and psychological appearance of different colors and different methods of ornamentation on textured fabric with example.	25

Evaluation pattern –

Internal Assessment: 100 marks continuous evaluation which includes Class Assignments (75 Marks) and Class test (25 Marks)

REFERENCE BOOKS:

- 1 Bowles M., Isaac C., (2012), *"Digital Textile Design"*, Laurance king publishing
- 2 Bowles M., Isaac C., (2009), *"Digital Textile Design"*, Laurance king publishing
- 3 Elffers J. & Meller S., (2002), *"Textile Designs"*, Thames & Hudson
- 4 Jones S J, (2011), *"Fashion Design"*, Laurance king publishing
- 5 Wilson J, (2000), *"Textiles-A handbook for designers"*, Woodhead publications

4 –Year Degree Under Graduate (UG) Syllabus

B. Design - Textile Design

Semester – III

Subject	Credits	Total Hours	Marks				
			Th	Pr	Th	Pr	
Fashion Studies & Women's Study	4	60	25		75	-	100
Theory			Internal		External		Total

OBJECTIVES:

The learner will be able to:

- 1) Compare the profiles of fashion & textile industry by its functional areas of business.
- 2) Explain the basic fashion terminology used for describing the fashion business.
- 3) Compare the global fashion centers by fashion categories, mass production, pret and couture.

CONTENT:

Block No	Objective	Topic/Content Analysis	Assignments	%weightage of Marks
1	To be able to identify the designers, fashion background and the changes which has made significant influences on scenario.	Nature of fashion ☑ Definition ☑ Revolution ☑ Social, cultural conditions ☑ Designers and their influence.	Group discussion and presentation on 5 national and 5 international designers.	25
2	To be able to relate with various factors influencing fashion.	Influential factors in fashion ☑ Demographic ☑ Psychographic ☑ Geographic ☑ Behavioral	Case study of one national and international brand with reference to influences on fashion	25
3	To be able to recognize fashion theories and movement of fashion.	Movement of fashion ☑ Fashion theories ☑ Movement of fashion ☑ Factors influencing fashion movements	TEST	25
4	To be able to explain various fashion terminology used widely and perceive the basic	Fashion terminology ☑ Evolution of fashion ☑ Fashion capitals	Study of three brands from all the categories and segregate	25

	knowledge of industry working in terms of various categories	<ul style="list-style-type: none"> ☐ Couture , Prêt and mass fashion ☐ Fashion categories of fashion ☐ Factors affecting fashion demand. 	according to couture, Prêt and mass fashion.	
3	To be able to explain the importance of media portraying women & demographic profile of women in India.	<ul style="list-style-type: none"> ☐ Demographic profile of women in India and towards change 1.Sex Ratio 2.Health 3.Education 4.Employment 5.National Policy of Empowerment of women 2001 6.The role and importance of media portraying women 	<p>Debate 5 marks</p> <p>Discussion 10 marks</p> <p>Presentation 10 marks</p>	25
4	To be able to describe changes in the status of women with the study about Governmental policies and strategies for women's development and NGO's in women's development.	<ul style="list-style-type: none"> ☐ Women, work and development ☐ Women in the unorganized sector. ☐ Women in the organized sector. ☐ Legal provision for the protection of working women 	Discussion 10 marks	25

Evaluation pattern –

Internal Assessment: Class Assignments and Class Test – (Theory 25, Practical 25) To Be Converted In To 25 marks

External Assessment: Final Exam - 75Marks. (Theory)

REFERENCE BOOKS:

1. Hannelore E, (2008), *“Clothing Technology”*, Verlag Europa-Lehrmittel Nourney
2. Laver J, (2002), *“Costume and Fashion A concise history”*, Thames & Hudson Publishing
3. Steckes P, (1996), *“Fashion Design Manual”*, Palgrave Macmillon
4. Stephens G, (2005), *“Fashion Concept to consumer”*, Pearson
5. Stone E, (2004), *“Dynamics of fashion”*, Fairchild Publication
6. Bansal S., (2007), *“Women In Developing Countries”*, Sumit Enterprises, New Delhi..
7. Bhadauria M., (1997), *“Women In India (Some Issues)”*, Aph Publication, New Delhi.
8. Chaudhuri M (Ed.), (2004), *“Feminism In India”*, Women Unlimited, New Delhi.

9. Gopalan S, (2002), *"Towards Equality- The Unfinished Agenda, Status Of Women In India"*. National Commission for Women, New Delhi.
10. Harold C. And John P., (1993), *"Fashion Design And Product Development"*, Blackwell Science Ltd.
11. Injoo K. And Mykyung U., (2002). *"Apparel Making In Fashion Design"*, Fairchild Publications.
12. Iyer P., (2007), *"Women And Social Revolution: Strategies And Policy, Insights From India"*, Women's Press. New Delhi.
13. Kumar S.A, (2007), *"Women In The Face Of Globalization"*, Serial Publication, New Delhi..
14. Madunuri Laxmipatti R (Ed.), (2007), *"Women Empowerment: Challenges And Strategies"*, Mayur Enterprises, New Delhi.
15. Mishra R.B., (1992), *"Indian Women Challenges And Change."*, Commonwealth Publishers, New Delhi.
16. Panday R., (2008), *"Women Welfare And Empowerment In India"*, New Delhi, India.
17. Panday R., (2008), *"Women Welfare And Empowerment In India Vision For 21 Century"*, New Century Publications, New Delhi.
18. Patel V., (2002), *"Women's Challenges In The New Millennium"*, Gyan Publishing House, New Delhi.
19. Rehana G., (1998), *"Women In Indian Society: A Reader"*, Sage Publications, New Delhi.
20. Sapru R.K., (1989), *"Women And Development."* Ashish Publication House, New Delhi.
21. Singh K.V., (2007), *"Women Issues- Empowerment And Gender Discrimination"*, Vista International Publishing House, Delhi.
22. Tandon R.K., (1994), *"Women In Modern India"*, Indian Publication Distributors. Delhi.

4-Year Degree Under Graduate (UG) Syllabus

B. Design - Textile Design

Semester - IV

Subject	Credits	Total Hours	Marks				
			Th	Pr	Th	Pr	
Introduction to Weaving And Testing	4	60	25	-	75	-	100
Theory			Internal		External		Total

OBJECTIVES:

The learner will be able to:

1. Describe the basic construction of woven fabrics using graphical method.
2. Explain various weaves and identify their characteristics into fabric.
3. Examine the quality tests for suitability of fibers and fabrics end use such as cover factor, drapability, fabric thickness, weight of the fabric, color fastness test.

CONTENT:

Block No	Objective	Topic/Content Analysis	Assignments	% weightage of Marks
1	To be able to explain the woven fabrics and their manufacturing process.	Features of woven fabric - Warp - Weft - Selvedge - Grain line - Yarn Count - GSM Operation of woven cloth production - Types of loom - Method of weave Representation - Weave Repeat - Draft and lifting plan	Collect & prepare a Swatch book with fabric samples of Different Weaves with basic features.	25
2	To be able to distinguish different types of basic and decorative weaves.	Classification of woven Design ☐ Elementary weaves ☐ Decorative weaves Diamonds & Diapers, Honeycomb, Brighton Honeycomb Huckaback ☐ Extra Warp ☐ Extra Weft ☐ Color & weave effect 1. Hounds Tooth 2. Bird's Eye 3. Ladder	Prepare a graph book with drafts & peg plan for the woven designs.	25

		4. Stripes – Horizontal , vertical 5. Checks		
3	To be able to explain the advantages and disadvantages of weaves and defects and remedies of weave	Advantages and Disadvantages of weaves Defects of weave and remedies	Presentation on the defects of fabrics in the weaves process.	25
4	To be able to explain the different procedures of evaluating textile quality.	Fabric Test and their relation with weave - Yarn count - Yarn twist - Fabric count - Cover Factor - Drapability - Fabric thickness - Weight of the fabric - Color Fastness Test Introduction to fabric performance testing.	Preparing a journal with various yarn parameters and tests documentations.	25

Evaluation pattern –

Internal Assessment: Class Assignments and Class test - To Be Converted In To 25

External Assessment: Final Exam - 75 Marks.

REFERENCE BOOKS:

1. Cohen A, Johnson I & Prince A,(1999), "*J.J. Pizzuto's Fabric Science-Seventh Edition*", Fairchild Publications
2. Cobman B, (1983), "*Textile from fiber to fabric-Sixth edition*", Mc grew-hill international edition
3. Collier B.J.& Toratora P, (2001), "*Understanding Textiles-Sixth Edition*", Prentice-Hall,Inc.
4. Eberle H., Hornberger M., Hermling H., Kilgus R., Menzer D., Ring W., (2002), "*Clothing Technology*", Europa Lehrmittal
5. Garg N, Gupta S, Saini R, (2005), "*Text book of clothing textiles and laundry*", Kalyani Publishers, Ludhiana
6. Gioello D A, (1996), "*Understanding Fabrics: from fiber to finished cloth*", Fairchild Publication, New York
7. Hallett C and Johnston A, (2010), "*Fabric for fashion*", Laurence King Publishing
8. Humphries M, (2009), "*Fabric reference-Fourth Edition*", Pearson Prantice Hall
9. Jefferson S, (2005), "*Clothing Technology*", Abhishek Publications, Chandigarh
10. Kadolph S.J., (2007), "*Textiles-Tenth Edition*", Pearson Prantice Hall

4-Year Degree Under Graduate (UG) Syllabus

B. Design - Textile Design

Semester – IV

Subject	Credits	Total Hours	Marks		
Surface Exploration Techniques	4	120	100	--	100
Practical			Internal	External	Total

OBJECTIVE:

The learner will be able to:

- 1) Differentiate the types of surface ornamentation techniques using sewing machine and implement them to create a commercially viable textile product.
- 2) Use the various techniques of surface ornamentation using yarn craft & create the appropriate method of ornamentation for a product of specific use.
- 3) Create a product based on the theme using previously learned surface ornamentation techniques

Block No	Objective	Topic/Content Analysis	Assignments	% weightage of Marks
1	To be able to use and apply various sewing techniques for textile surface ornamentation.	Sewing techniques and exploration of each technique <ul style="list-style-type: none"> • Tucks • Pleats • Gathers • Applique • Patch work • Quilting 	One swatch each in 6" X 6" which will be later on converted into any <ul style="list-style-type: none"> • Wall Hanging • Curtain 	25
2	To be able to use and explore embroidery techniques on textiles.	Embroidery technique and its creative exploration on different fabrics.	Prepare a collection of samples of embroideries on various fabrics. (samples of hand	25

3	To be able to make use of different yarn craft techniques and develop different products	Yarn craft and its exploration <ul style="list-style-type: none"> • Crochet • Macramé • Hand knitting • Cut craft on surfaces 	One swatch each in 3" X 3" of size Develop any one product using any 1 technique.	25
4	To be able to create a product based on concept using surface ornamentation techniques.	Product development based on combination of all above techniques to create a sound textile product <ul style="list-style-type: none"> • Theme • Concept • Swatch development • Design development 	Collection development.	25

Evaluation pattern –

Internal Assessment:100 marks continuous evaluation which includes Class Assignments (75 Marks) and Class test (25 Marks)

Value addition:

Workshop will be conducted on different types of curtain draping that will enhance student's exploration skills towards Home Furnishing.

REFERENCE BOOKS:

1. Ganderton L, (2000), *"Needlecraft"*, Hermes House
2. King K D., (2006), *"Design for bead embroidery"*, Searchpress
3. Lampe D, (1997), *"Embroidery from garden"*, Sally Milner
4. Srikant U, (2009), *"Ethnic embroidery of India (part 1 and part 2)"*, Usha Srikant
5. Srivastav M,(2001), *"Embroidery Techniques from East & west"*, B.T.Batsford

4-Year Degree Under Graduate (UG) Syllabus

B. Design - Textile Design

Semester – IV

Subject	Credits	Total Hours		Marks	
Fabric Development	4	120	100	--	100
Practical			Internal	External	Total

OBJECTIVE:

The learner will be able to:

- 1) Classify the types of loom and its principles of operation.
- 2) Create different types of elementary and decorative weaves on loom and on computer aided textile design software.
- 3) Decorate the fabric on loom with various weaving techniques.

CONTENT:

Block No	Objective	Topic/Content Analysis	Assignments	% weightage of Marks
1	To be able to explain the fabric manufacturing process on different loom.	Elements of woven design - Classification - Operations - Looms	Presentation on different type of Looms with its processes, advantages, disadvantages and application.	25
2	To be able to construct elementary weaves on loom and computer aided textile design software	Construction of elementary weaves - Plain weave and its derivatives - Twill weave and its derivatives - Satin weave With design graph, draft and Peg plan	Development of elementary weaves on loom and computer aided textile design software.	25
3	To be able to construct derivatives of the elementary and decorative weaves on looms and with computer aided textile design software.	Development of weaves Plain weave: Stripes, Checks & Plaids Rib weaves Twill weaves Satin weave. Diamond and diapers.	Development of Weaves on loom and computer aided textile design software.	25

4	To be able to distinguish types of advance weaves used in manufacturing the fabrics.	<ul style="list-style-type: none"> - Lappet weave - Swivel weave - Dot/spot weave - Double cloth 	Develop samples of different weaves using computer aided textile design software.	25
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Evaluation pattern –

Internal Assessment:100 marks continuous evaluation which includes Class Assignments (75 Marks) and Class test (25 Marks)

REFERENCE BOOKS:

1. Berard C,(1983), *“Textile from fibre to fabric-Sixth edition”*, Mc grew-hill international edition
2. Cohen A, Johnson I & Prince A,(1999), *“J.J. Pizzuto’s Fabric Science-Seventh Edition”*, Fairchild Publications
3. Collier B.J. Toratora P, (2001), *“Understanding Textiles-Sixth Edition”*, Prentice-Hall,Inc.
4. Gioello D A, (1996), *“Understanding Fabrics: from fiber to finished cloth”*, Fairchild Publication, New York
5. Gupta S., Garg N., Saini R., (2005), *“Text book of clothing textiles and laundry”*, Kalyani Publishers, Ludhiana.
6. Eberle H., Homberger M., Menzer D., Hermling H., Kiglus R., Ring W., (2002), *“Clothing Technology”*, Europa Lehrmittal.
7. Hallett C. and Johnston A., (2010), *“Fabric for fashion”*, Laurence King Publishing.
8. Humphries M, (2009), *“Fabric reference-Fourth Edition”*, Pearson Prantice Hall
9. Jefferson S., (2005), *“Clothing Technology”*, Abhishek Publications, Chandigarh
10. Kadolph S.J., (2007), *“Textiles-Tenth Edition”*, Pearson Prantice Hall

4-Year U.G. Degree Syllabus

B Design - Textile Design

Semester –IV

SUBJECT	CREDITS	TOTAL HOURS	MARKS		
Computer Aided Rendering Technique In Textiles	4	120	100	-	100
PRACTICAL			INTERNAL	EXTERNAL	TOTAL

OBJECTIVES:

The learner will be able to:

1. Study and employ Raster Graphics software as a tool to represent and create visuals, using image editing and object creation.
2. Use and manipulate the tools of Raster Graphics software.

CONTENT:

Block No	Objective	Topic/Content Analysis	Assignments	Marks
1	To be able to use the Raster based software effectively for making layouts, designs.	<ul style="list-style-type: none"> ☐ Introduction about Raster Based Software. ☐ Introduction color and color gradations. ☐ Development of various color Schemes. 	To create color gradations <ul style="list-style-type: none"> ☐ Gray Scale ☐ Color Wheel ☐ Complimentary color Scheme ☐ Contrast Color Scheme ☐ Cool Color Scheme ☐ Warm Color Scheme 	10
2	To be able to use Raster based software for images editing for Textile designing.	<ul style="list-style-type: none"> ☐ Image Editing with help of all features, Tools and technics. 	Image editing (One Each) <ul style="list-style-type: none"> - Background Changing - Create look for Home Furnishing. - Design development for home furnishing and life style. 	15

3	To be able to operate Vector based software for making layouts and developing drawings and designs for fashion.	<p>Vector based Software</p> <ul style="list-style-type: none"> - Introduction of Vector based software - Introduction about Elements Of Fashion (Digital) - Understanding and implementation of various Features, Tools and technics. - Motif Development and implementation on garments. 	<p>1. To create Elements of Home furnishing and life style. (5 each)</p> <ol style="list-style-type: none"> 1. Bed Cover 2. Bed Sheet 3. Wall Unit 4. Designing for table cloth 5. Designing for Scarf and stole. 6. Designing for curtain <p>2. Motif Development for Home furnishing and life style.</p>	10
4	To be able to create a design layout with advance tools and features related to design.	Development and rendering of fashion garments.	<p>Design Development and rendering of total home and life style product</p> <ul style="list-style-type: none"> • Bed Room • Living Room • Kitchen Room • Study Room • Guest Room <p>(At least 1 complete attires)</p>	15

EVALUATION PATTERN –

Internal Assessment: Continuous Evaluation 100 marks

REFERENCE BOOK:

1. Basia Szkutnicka, 2010, " Technical Drawing for Fashion", Lawrence King Publication Ltd., 1st Edition.
2. Deke McClelland, 2002, " A Guide to Adobe", Wiley Dreamtech Publication, 1st Edition.
3. Pateo Jones, 2010, " Graphic Design for Fashion", Lawrence King Publication Ltd., 1st Edition.
4. Paula J. Myers and Mac Devitt, 2010, " Complete Guide to size specification Technical Design", Fairchild Book Publication, 2nd Edition.
5. Steve Bain & Nick Wilkison, (2002), " Corel Draw (12)- The Official Guide", Coret Press, 1st Edition.
6. Steven Heller & Talario Lita, 2010, " Graphic", Thames and Hudson Publication, 1st Edition.

4-Year Degree Under Graduate (UG) Syllabus
B. Design - Textile Design

Semester – IV

Subject	Credits	Total Hours	Marks				
			Th	Pr	Th	Pr	
Fashion Management and Marketing & Merchandising	4	60	25	-	75	-	100
Theory			Internal		External		Total

OBJECTIVE:

The learner will be able to:

1. Explain the management concepts, its application and processes.
2. Describe the organizational structure of fashion industry.
3. Establish self-development skills such as decision making, motivation, leadership and communication for effective fashion business.

CONTENT:

Block No	Objective	Topic/Content Analysis	Assignments	% weig
1	To be able to explain the need and importance of management. To be able to explain the importance of planning and logical decision making.	Definition, Purpose and Social responsibility of Management. Evolution of Management, Types and Levels of Organization, Managerial Functions, Process of Management- Planning, Organizing, Leading and Controlling.	Research on evolution of management. One national and International Brands Organizational Structure.	25
2	To be able to explain the business organization and to familiarize with basic management concepts, applications & processes. To be able to explain the area of decision making, motivation, leadership and communication.	☑ Planning, Controlling, Organizational – Types, Steps and Process. ☑ SWOT Analysis, Organizational Structure, Staff- line of authority, Delegation of work and decentralization. ☑ Evaluation and selection of alternatives. Motivation, Leadership, Communication ☑ Ethics and Social responsibilities	Presentation of one Case study: Explain the result a national brand due to changes in their Organizational Parameters One Designer, One Multi-Brand Outlet and 1 Exclusive Brand Outlet Presentation of one Case study: Explain the result an international brand due to changes in their Organizational Parameters	25

3	<p>To be able to identify the concepts of the marketing.</p> <p>To be able to explain the marketing & Planning processes.</p>	<p>☑ Structure of fashion market:</p> <ul style="list-style-type: none"> - Fashion Market sector - Fashion Market Level - Fashion cities and trade fairs. -What is marketing? - Marketing toolkit - Marketing Mix. - Marketing strategy. <p>Research planning</p> <ul style="list-style-type: none"> - Market research - Planning a strategy - Understanding the Customers. - Customer segmentation. - Creating a customer profile 	Class test	25
4	<p>To be able to analyze and employ the fundamentals of merchandising</p> <p>To be able to employ the knowledge of merchandising procedures.</p>	<p>Definition of Merchandising</p> <p>☑ Characteristics</p> <p>☑ Role of merchandiser</p> <p>☑ Fundamentals of merchandise planning.</p> <ul style="list-style-type: none"> - Traditional line planning and its phases. - Contemporary line planning - Dimensions of planning product line. 	Research of Supplier Merchandiser, Buyer Merchandiser and Retail Merchandiser	25

Evaluation pattern –

Internal Assessment: Class Assignments and Class test - To Be Converted In To 25

External Assessment: Final Exam - 75 Marks.

REFERENCE BOOKS:

1. Bhattacharya S.C., (1999), *“Strategic management concept and cases”*, A H Wheeler Publishing Co Ltd
2. Daft R L & Marcic D, (1998), *“Understanding Management”*, George Provol Pulishing
3. Koontz & Wehrich – Part1, (2009), *“Essentials of Management – 5th edn”*, Tata McGraw Hill Education Private Limited
4. Mamoria C.B & Gankar S,V, (2003), *“Personnel Management”*, Himalaya Publishing
5. Reddy P.N.& Tripathi P.C, (1991), *“Principles of Management”*, Tata Mcgraw hill Pub.Co.Ltd.,N.Delhi.

6. Axelrod, Packard. S. &Winters. A., (1980), *"Fashion Buying & Merchandising"*, Fairchild publication, new York, 4th printing,
7. Burns, David L, (2011), *"The Business of Fashion"*, Fair child Publication Inc.
8. Donnellan J., (1999), *"Merchandise Buying and Management"*, Fairchild publication
9. Donnellan J., (2007), *"Merchandise Buying and Management"*, Fairchild publication
10. Frings, Gini S, (2008), *"Fashion : From Concept To Consumer"*, Pearson Prentice hall
11. Kotler Philip, (1999), *"Principles of Marketing"*, Prentice hall of indo , New Delhi,
12. Kunz Grace I., (2005), *"Merchandising"*, Fairchild publication
13. Posner H,(2011), *"Marketing Fashion"*, Laurence King
14. Relevant business & trade journals, magazines, and Govt. Publications

4 –Year Degree Under Graduate (UG) Syllabus

B. Design Textile Design

Semester –V

Subject	Credits	Total Hours			Marks		
Dyeing And Printing- Basic	4	60	Th 25	Pr --	Th 75	Pr -	100
Theory			Internal		External		Total

OBJECTIVES:

The learner will be able to:

1. Differentiate types of dyes and pigments used for fabrics and its properties of textile coloration.
2. Recognize the phenomenon of dye penetration and its effects on textile performance.
3. Prepare the various types of prints samples by the different printing methods.

CONTENT:

Block No.	Objectives	Topic/Content Analysis	Assignments	% weightage of Marks
1	To be able to explain types of dyes and determine the various preparatory processes for changing the appearance, hand and its serviceability as per requirement.	<ul style="list-style-type: none"> ☐ Classification of Dyes and chemicals. ☐ Types, process, effect, advantage, and use of different preparatory processes done on textiles for the dyeing and printing: <ul style="list-style-type: none"> ☐ Singeing, Desizing, ☐ Boiling, scouring, ☐ S o u r i n g , bleaching and mercerization. 	Class Test	25
2	To be able to Identify types of dye depending upon the fiber content through the various stages of dyeing.	<ul style="list-style-type: none"> ☐ Methods of Dyeing and effects achieved on various textile materials: fiber, yarn, fabric and Garment. 	Class Test	25

3	To be able to recognize commonly used prints, textile patterns for garment decoration and get acquainted with the importance of various finishes, defects.	<input type="checkbox"/> Printing: Introduction, Equipment, process, advantages, Disadvantages and end uses. <input type="checkbox"/> Methods of printing: <input type="checkbox"/> Direct, resist, discharge	Class Test	25
4	To be able to employ the knowledge of commonly used dyeing process and printing techniques.	Styles of Printing: <input type="checkbox"/> Block, stencil, screen, roller, transfer, flock, warp, yarn, resist (tie and dye and batik), duplex printing, digital printing. <input type="checkbox"/> Preparation of screen <input type="checkbox"/> Finishes-Introduction, classification and types of finishes <input type="checkbox"/> Dyed and printed defects.	Presentation	25

Evaluation pattern –

Internal Assessment: Class Assignments and Class Test –To be converted in to 25 marks

External Assessment: Final Exam - 75Marks. (Theory)

REFERENCE BOOKS:

1. Arney S, (1987), *"Malaysian Batik"* The Malaysian Handicraft Development Corporation, Malaysia
2. Beigeleisen, (1958), *"Silk Screen Techniques"*, Dover Publications, New York
3. Brotighton K, (1995), *"Textile dyeing"*, Rockport Publishers, Massachusetts
4. Caldwell L, (2006), *"Shibori"*, Lark Books, New York
5. Crill R and Murphy V, (1988), *"The technique of Batik"*, B.T.Batsford Ltd, London
6. Gunner J, (2006), *"Shibori"*, Batsford London
7. Kendall T, (2001), *"The fabric and yarn dyer's handbook"*, Collins & Brown Ltd, London
8. Marsh J.T., (1979), *"Textile Science"*, B.I. Publications
9. Pellew C.E., (1998), *"Dyes and Dyeing"*, Abhishek Publication, Chandigarh
10. Prayag R.S., *"Technology of textile printing"*, MRS. L.R. Prayag, Dharwad
11. Prideaux V, (2003), *"A hand book of Indigo Dyeing"*, Search Press Ltd.
12. Projen P V, (1997), *"Batik Design"*, Shambhala, Boston
13. Shah K.M., (1998), *"Handbook of Synthetic dyes and pigments Vol I and III"* Multi-Tech Publishing Co., Mumbai
14. Shenai V.A., (1987), *"Chemistry of dyes and principles of dyeing"*, Sevak Publications, Bombay
15. Stallabrass Pam, (1992), *"The creative guide to fabric screen printing"*, New Holland Ltd., London
16. Tholia A, (2009), *"Live Textiles-Vol.II"*, Sarv International, Star business world, New Delhi
17. Wells Kate, (1997), *"Fabric dyeing and Printing"*, Conran Octopus Ltd, London

4 –Year Degree under Graduate (UG) Syllabus

B. Design Textile Design

Semester –V

Subject	Credits	Total Hours	Marks				
			Th	Pr	Th	Pr	
Fabric Illustration	4	120	-	25	-	75	100
Practical			Internal	External	Total		

OBJECTIVES:

The learner will be able to:

- 1) Identify various types of fabrics and illustrate them.
- 2) Practice replica of the available fabric swatch with different rendering techniques.
- 3) Create collection of rendered fabrics swatches with specific end use.

CONTENT:

Block No.	Objectives	Topic/Content Analysis	Assignments	% weightage of Marks
1	To be able to illustrate fabrics with different textures.	Types of fabrics: ☑ Woven ☑ Knits ☑ Laces ☑ Embroidered fabrics	Rendering of 10 swatches that are used in Apparel. (use of draping techniques as still life rendering)	25
2	To be able to render apparel and home furnishing fabrics.	Collection of fabric swatches from various markets for various apparel and home furnishing categories.	Rendering of 10 swatches that are used in home furnishing.	25
3	To be able to explain render types of fabrics with different surface ornamentations.	Collection of fabric swatches with surface treatments. ☑ Printed ☑ Dyed ☑ Painted ☑ Embroidered	Rendering of 15 samples with different surface ornamentations considering the light source.	25

4	To be able to render types of fabrics with woven fabric structures with CAD Software	Computer Rendering of the collected swatches.	Preparing the collection on Home furnishing /apparel	25
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Evaluation pattern –

Internal Assessment: Class Assignments and Class Test To Be Converted In To 25 marks

External Assessment: Final Exam - 75Marks.

REFERENCE BOOKS:

1. Darstellung, Farbe and Stil, (2010), "Mode Fashion", Verlag Europa-Lehrmittel
2. Drudi E K, Paci T, (2011), "Figure Drawing for men's Fashion", Pepin Press BV
3. Drudi, (2008), "Fashion Prints", Pepin Press BV
4. Fogg M, (2006), "Print in Fashion", Page one publishing Pvt.Ltd.
5. Eberle H., Homberger M., Menzer D., Hermling H., Kiglus R., Ring W., (2002), " *Clothing Technology*", Europa Lehrmittal.
6. Hallett C. and Johnston A., (2010), " *Fabric for fashion*", Laurence King Publishing.
7. Kadolph S.J., (2007), "Textiles-Tenth Edition", Pearson Prantice Hall
8. Marsh J.T., (1979), "Textile Science", B.I.Publications

4 –Year Degree Under Graduate (UG) Syllabus

B. Design Textile Design

Semester –V

Subject	Credits	Total Hours	Marks				
			Th	Pr	Th	Pr	
Quality Management	4	60	Th 25	Pr -	Th 75	Pr -	100
Theory			Internal	External	Total		

OBJECTIVES:

The learner will be able to:

- 1) Identify the complexity of apparel manufacturing from fiber to fabric.
- 2) Examine product quality parameters used for textile and apply industry
- 3) Discuss the importance of quality at production, designing, merchandising, delivery and retailing stages.

CONTENT:

Bloc k No.	Objectives	Topic/Content Analysis	Assignments	% weighta ge of Marks
1	To be able to express the requirement of quality and industrial processes of inspection at various stages.	Introduction to quality. What is quality and its importance? Inspections: a.)Raw material inspection - Fabric , Zippers & Sewing thread b.)In process Inspection c.)Final Inspection d.)How much to inspect e.)Definitions of fabric defects	Presentation on overview of quality assurance of garment industry.	25
2	To be able to examine testing procedures for evaluating textile and apparel quality.	Textile testing and product evaluation a.)Introduction b.)Precision & Accuracy of test methods c.)Atmospheric conditions for testing d.)Strength properties of apparel e.)Fabric stretch properties f.)Dimensional changes in Apparel due to laundering, Dry-cleaning , Steaming & Pressing	Presentation on Interpretation of testing report	25

		g.) Sewability of fabrics h.) Bow & Skewness i.) Pilling j.) Snagging k.) Colorfastness- (Introduction , Colorfastness to washing, Dry cleaning, Light, Crocking , Perspiration & Abrasion) l.) Yarn strength & Elongation m) Yarn Number n.) yarn Twist o.) Button		
3	To be able to recognize government regulations and care instruction.	Govt. Regulations & labeling: Textile Fiber product Identification Act. Wool Product labeling Act. (WPLA) Fur Product Act Silk Labeling Regulations Care labeling of Apparel and textiles: a.)General Information b.)American care labeling regulation c.)ISO Care Symbols Apparel Standards: British Standards BSI ISO standards ASPM AATCC	Examine labels of 10 different categories according to end use.	25
4	To be able to analyze types of Home Fashions.	Home Fashion: Overview of the Home Fashion Industry. Government Regulations & labeling. Quality Evaluation of Home Furnishing Textiles.	Examine two products of Home Fashion brands. Compare cost & quality of the products.	25

Evaluation pattern –

Internal Assessment: Class Assignments and Class test - To Be Converted In To 25

External Assessment: Final Exam - 75 Marks

REFERENCE BOOKS:

1. Bheda R., (2002), *"Managing productivity in apparel industry"*, CBS Publishers and Distributors, New Delhi
2. Bona M., (1992), *"Textile Quality"*, Paravia Texilia
3. Cherunilam F., (1998), *"International Trade and Export Management"*, Himalaya Publishing House
4. Jones R., (2007), *"The apparel industry"*, Blackwell Publishing
5. Kadolph S, (1998), *"Quality Assurance for Textiles and Apparel"*, Fairchild Publications
6. Khurana P., (2003), *"Export management"*, Galgotia
7. Koshy D, (1995), *"Effective export marketing of apparel"*, Global Press
8. Mehta P., (2004), *"An Introduction to quality Assurance"*, iUniverse, Inc. shanghai
9. Sharp H & Stamper A, (1996), *"Evaluating Apparel Quality"*, Fairchild Publication

4 –Year Degree under Graduate (UG) Syllabus

B. Design Textile Design

Semester –V

Subject	Credits	Total Hours	Marks				
			Th	Pr	Th	Pr	
Fabric Development And Computerized Embroidery	4	120	-	25	-	75	100
Practical			Internal	External	Total		

OBJECTIVES:

The learner will be able to:

1. Identify the various techniques of embroideries and create design on computer aided software.
2. Create and design embroidery with the help of computer aided software.
3. Get proficiency in designing various styles of embroidery on specific fabric for a specific product.
4. Design an embroidered fabric based on theme and clients requirement.

CONTENT:

Block No.	Objectives	Topic/Content Analysis	Assignments	% weightage of Marks
1	To be able to identify the tools and techniques for creating embroidery designs.	Mix media techniques of embroidery and fabric manipulation.	Development of embroidery samples according to different themes and fashion categories.	25
2	To be able to create embroidery with designs for the garments.	Understanding of computer embroidery machine application.		25
3	To be able to create designs with various edge finishing techniques.	Application of embroidery stitches on machine. Enlargement and reduction of motifs. Different types of edge finishing. Technical of using colour scheme. Technical of monograming.		25
4	To be able to create a collection for fashion category.	Development of collection for women's wear.		25

Evaluation pattern –

Internal Assessment: Class Assignments and Class Test

To Be Converted In To 25 marks

External Assessment: Final Exam - 75Marks.

REFERENCE BOOKS:

1. Belkin A. & Benhamou- Huet J., (2009), "*21st Century Embroidery of India*", Presetel Publishing
2. Paine S., (2008), "*Embroidered Textiles*", Thames & Hudson Publishing
3. Skinner T., (2008), "*Nomadic Embroidery*", Schiffer Publishing
4. Embroidery Magazine, 2014-2015, Instyle Co.
5. Computerized Embroidery software manual or equivalent, (2008)

4 –Year Degree Under Graduate (UG) Syllabus

B. Design Textile Design

Semester –V

Subject	Credits	Total Hours	Marks				
			Th	Pr	Th	Pr	
Forecasting	4	90	25	25	50	-	100
Theory And Practical			Internal	External	Total		

OBJECTIVES:

The learner will be able to:

1. Impart knowledge of how Forecasting process is important in the fashion as well as Textile industry.
2. Identify and study the changes in the forecast that can be utilized in making a product.
3. Utilize forecast for developing a design collection for Home Textiles.

CONTENT:

Block No.	Objectives	Topic/Content Analysis	Assignments	% weightage of Marks
1	To be able to read and explain trend and forecast to be applied	Research on the contents of current forecast	☑ Presentation on the current forecast.	25
2	To be able to interpret the forecast for fashion and textile industry	Research on international forecasts of various designers to relate the contents to the recent forecast.		25
3	To be able to explain and apply a forecast to develop range for home Textiles and apparels	To develop individual forecasts based on above two for the following: Colours Fabrics Surface Details Trims Accessories.	☑ Presentation on the developed range of home Textiles based on the developed forecast.	25
4	To be able to use a forecast to create a range.	To develop a range of Home Textiles based on the developed forecast.		25

Evaluation pattern –

Internal Assessment: Class Assignments and Class Test – (Theory 25, Practical 25) To Be Converted
In To 25 marks

External Assessment: Final Exam - 50Marks. (Theory)

REFERENCE BOOKS:

1. Brannon E., (2010), *“Fashion Forecasting”*, Fairchild Books, New York
2. Janine M. & McKelvey K, (2008), *“Fashion Forecasting”* Wiley-Blackwell
3. McKelvey K.,(2005), *“Fashion Zeitgeist”*, Berg Publishing
4. Perna R.,(1992), *“Fashion Forecasting”*, Fairchild Books, New York
5. Raymond M., (2010), *“The Trend Forecaster's Handbook”*, Laurence King, U.K.

4 –Year Degree under Graduate (UG) Syllabus

B. Design Textile Design

Semester –VI

Subject	Credits	Total Hours	Marks				
			Th	Pr	Th	Pr	
Knits For Apparel & Home Furnishing	4	90	25	25	50	-	100
Theory and Practical			Internal	External	Total		

OBJECTIVES:

The learner will be able to:

- 1) Identify the knitted fabric and its formation techniques.
- 2) Recognize the various knit structures and identifying their characteristics.
- 3) Examine the quality parameters of knitted fabric for a specific end use.
- 4) Design fabric for home furnishing and apparel on the flat knitting machine.

CONTENT:

Block No.	Objectives	Topic/Content Analysis	Assignments	% weightage of Marks
1	To be able to recognize the various garment manufacturing techniques in knitting for flat as well as circular knitting.	Knitted Garments - Fully cut - Stitch shaped cut - Fully fashioned - Integral	Fabric analysis of 5 swatches	25
2	To be able to create knitted fabric using different techniques.	Stitch geometry seams and seaming for knitwear Weft knitted fabric and its types Warp knitted fabrics and its types	Development of 10 flat knitted fabrics.	25
3	To be able to examine quality parameters for knitted fabric as well as garments.	Fabric defects – types, source and remedies Quality control of knitted garments	Collection of 5 defected fabric samples.	25

4	To be able to describe knit fabric with innovative techniques	Appreciation of knits for its uses in different product categories Developing innovative knits from fashion industry	Development of a product on flat bed knitting machine.	25
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Evaluation pattern –

Internal Assessment: Class Assignments and Class Test – (Theory 25, Practical 25) To Be Converted In To 50 marks

External Assessment: Final Exam - 50Marks. (Theory)

REFERENCE BOOKS:

1. Ajgaonkar D.B., (1998), *"Knitting Technology"*, Universal Publishing Corporation Bombay.
2. Black S., (2012), *"Knitting Fashion, Industry, Craft"*, V & A Publishing
3. Brackenbury T., (1992), *"Knitting Clothing Technology"*, Blackwell Publishing
4. Lystrup L, (2008), *"Vintage Knitwear"* Thames and Hudson
5. Shaeffer C., (1994), *"Fabric Sewing Guide"*, Krause Publications
6. Spencer D., (2001), *"Knitting Technology"*, Wood head Publishing Limited

4 –Year Degree Under Graduate (UG) Syllabus

B. Design Textile Design

Semester –VI

SUBJECT	CREDITS	TOTAL HOURS	MARKS				
			Th	Pr	Th	Pr	
Craft Documentation	4	120	-	25	-	75	100
PRACTICAL			INTERNAL	EXTERNAL	TOTAL		

OBJECTIVES:

The learner will be able to-

- 1) Document the craft , its process and promotional activities.
- 2) Assist the crafts community to promote their craft for diversified consumers using visual communication techniques.

CONTENT:

Block No.	Objectives	Topic/Content Analysis	Assignments	% weight age of marks
1	<p>To be able to identify the craft and the related problem areas related craft.</p> <p>To be able to study the process and various organizations involved in promoting the craft.</p>	<ol style="list-style-type: none"> 1) Selection of the Craft 2) Research on the Craft <ul style="list-style-type: none"> - History - Origin - Manufacturing process - Product range 3) Search for the “Artisans” working for the craft. 4) Initial approach to the “Artisans” for explaining the Project and its importance. 5) Telephonic interaction with the Artisan regarding the current problems associated with the promotion and development of the craft. 6) Search information for the various Organizations working to preserve the craft. <ul style="list-style-type: none"> - NGO - Government Organization 	<p>Students will prepare the document in terms of following aspects.</p> <ul style="list-style-type: none"> - Origin - History - Process and production - Products & designs - Pros and cons of the craft - Promotion and marketing - Information on NGO’S and other organization s. 	25

		<ul style="list-style-type: none"> - Local Outlets <p>7) Application of the Craft in recent Fashion Scenario.</p> <ul style="list-style-type: none"> - Designer collection - Retail collection <p>8) Comparative study regarding the availability of the craft (with various categories) and marketing strategies in metro cities.</p> <p>-</p>		
2	To be able to find out and identify the problem areas of the craft and suggest solutions over it.	<p>List down the challenges related to the “Promotion, Marketing, Sales & Visual merchandising” of the craft.</p> <p>1) Analysis of Product Category based on the particular craft.</p> <ul style="list-style-type: none"> - Apparel - Corporate Gifts or Stationary - Accessories - Home/ corporate Décor <p>2) Comparative study regarding the availability of the craft (with various categories) and marketing strategies in metro cities.</p> <p>3) Approval from the concerned Faculty.</p> <p>4) Approval from the Artisans regarding the changes. (through Internet)</p> <p>Production of various promotional materials with the help and guidance of the Artisan.</p>	<p>Students will prepare the document in terms of following aspects.</p> <p>Category of products</p> <p>Comparative study of other crafts of the region.</p>	25

3	To be able to promote the craft in the form of a Brand in the market.	Branding of the Craft- Promotion, marketing and E- Marketing of the craft through brochure, catalogues, leaflets, PPT's, DVD's, Posters, Banners, Social media broadcast (in terms of blogs, web pages, SOFT website) etc.	Students will prepare the document on the branding of the craft.	25
4	To be able to advertise and promote the brand in the form of the display.	Visual Display of the craft. Promotion of the Exhibition to the potential client and create awareness & promotional strategies to increase the footfall.	Students will design a display for the craft as an promotional activity.	25

Evaluation pattern –

Internal Assessment: Class Assignments and Class Test To Be Converted In To 25 marks
External Assessment: Final Exam - 75Marks.

REFERENCE BOOKS:

8. Bhatnagar P. (2004), *"Traditional Indian costumes and Textiles"*, Abhishek Publication, Chandigarh.
9. Chattopadhyay K. (1995), *"Handicrafts of India "*, WisdomTree, New Delhi.
10. Crill R. (1998), *"Indian Ikat Textiles"*, Weatherhill Inc..
11. Dhamija J. and Jain J. (1989), *"Hand-woven Fabrics of India"*, Mapin Publishing Pvt, Ltd. Ahmedabad.
12. Dr. Dedhia E. and Hundekar M. (2008), *"Ajrakh Impressions and Expressions"*, Colour Publication Private Limited, Mumbai.
13. Gillow J. and Barnard N. (1991), *"Traditional Indian textile"*, Thames and Hudson, London.
14. Kapur C. and Ambasanyal (1989), *"Saris of India"*, AmrVastraKosh, Wiley Eastern Limited, New Delhi.

4 –Year Degree under Graduate (UG) Syllabus

B. Design Textile Design

Semester –VI

Subject	Credits	Total Hours	Marks				
			Th	Pr	Th	Pr	
Dobby Weaving	4	120	-	25	-	75	100
Practical			Internal	External	Total		

OBJECTIVES:

The learner will be able to:

- 1) Identify the doobby mechanism and designing techniques used for fabric manufacturing.
- 2) Analyze and identify various types of complex doobby woven fabrics.
- 3) Design doobby fabrics on computer aided textile design software.

CONTENT:

Block No.	Objectives	Topic/Content Analysis	Assignments	% weightage of Marks
1	To be able to recognize the significance of doobby Weave.	Introduction of Dobby Weave, different types of sheds.	Collection of 10 doobby design fabric samples	25
2	To be able to identify the principle of doobby Loom	Introduction to Principle of doobby.	Presentation on principle of Dobby mechanism.	25
3	To be able to analyze the doobby fabric and their technical details.	Dobby Fabric – basic analysis of doobby weave samples and preparing their specifications.	Analyze and replicate 10 fabric samples on computer aided software.	25
4	To be able to create the doobby fabric designs on looms and computer aided textile design software.	Development of doobby samples-looms and computerized. Development of various doobby designs for Men’s Wear, Woman’s wear & Sari Borders, dress material.	Develop 15 swatches on computer aided textile design software for doobby mechanism	25

Evaluation pattern –

Internal Assessment: Class Assignments and Class Test 25 marks

External Assessment: Final Exam - 75Marks.

REFERENCE BOOKS:

1. Berndt E., (2006), *"Textile Technology"*, Hanser Publishing, Munich
2. Fox T W., (1957), *"The mechanism of weaving"*, Macmillan Co Limited
3. Grosicki Z.J., (1989), *"Watson's Advanced Textile Design"*, London-U.K. Newnes-
Butterworths Bombay-India
4. Grosicki Z.J., (2004). *"Watson's Textile Design and Colour"*, Woodhead Publishing Limited
5. Kadolph S.J., (2007), *"Textiles-Tenth Edition"*, Pearson Prantice Hall

4 –Year Degree Under Graduate (UG) Syllabus

**B. Design Textile Design
Semester –VI**

Subject	Credits	Total Hours			Marks		
Dyeing And Printing- Advance	4	120	Th	Pr	Th	Pr	100
			--	25	--	75	
Practical			Internal		External		Total

OBJECTIVES:

The learner will be able to:

1. Differentiate types of dyes and pigments used for fabrics and its properties of textile coloration.
2. Recognize the phenomenon of dye penetration and its effects on textile performance.
3. Prepare the various types of prints samples by the different printing methods.

CONTENT:

Block No.	Objectives	Topic/Content Analysis	Assignments	% weightage of Marks
1	To be able to explain types of dyes and determine the various preparatory processes for changing the appearance, hand and its serviceability as per requirement.	<ul style="list-style-type: none"> ☐ Classification of Dyes and chemicals. ☐ Types and use of different preparatory processes done on textiles for the dyeing and printing: <ul style="list-style-type: none"> ☐ Singeing, Desizing, ☐ Boiling, scouring, ☐ S o u r i n g , bleaching and mercerization. 	Preparation of journal which includes fabric samples with preparatory processes.	25
2	To be able to identify types of dye depending upon the fiber content through the various stages of dyeing.	<ul style="list-style-type: none"> ☐ Selecting dyes according to the fiber content. ☐ Achieving different shade effects on fabrics through cross dyeing, union dyeing. ☐ Methods of Dyeing and effects achieved on various textile materials: fiber, yarn, fabric and Garment. 	Preparation of samples with variety of dyes and textiles.	25

3	To be able to recognize commonly used prints, textile patterns for garment decoration and get acquainted with the importance of various finishes, defects.	<ul style="list-style-type: none"> ☑ Printing: Introduction, Equipment, process, advantages, disadvantages and end uses. ☑ Methods of printing: <ul style="list-style-type: none"> ☑ Direct, resist, discharge ☑ Styles of Printing: <ul style="list-style-type: none"> ☑ Block, stencil, screen, roller, transfer, flock, warp, yarn, resist (tie and dye and batik), duplex printing, digital printing. ☑ Preparation of screen ☑ Finishes-Introduction, classification and types of finishes ☑ Dyed and printed defects. 	Designs created for block, stencil and screen printing and samples prepared accordingly. Preparation of Samples with various finishes.	25
4	To be able to employ the knowledge of commonly used dyeing process and printing techniques.	<ul style="list-style-type: none"> ☑ Dyeing of frequently used fabrics: Cotton dyeing with direct, reactive and vat dyes. Silk and wool dyeing with acid dyes. Polyester dyeing with carrier dyeing. ☑ Common Printing techniques used on fabrics: Process and layout. <ul style="list-style-type: none"> ☑ Stencil printing ☑ Block printing ☑ Screen Printing ☑ Techniques of tie and dye ☑ Technique of batik ☑ Digital printing 	Preparation of one end product using block, screen or tie and dye. Presentation of the reports of industrial visits	25

Evaluation pattern –

Internal Assessment: Class Assignments and Class Test – (Practical 25)

External Assessment: Final Exam - 75Marks. (Practical)

REFERENCE BOOKS:

1. Arney S, (1987), *“Malaysian Batik”* The Malaysian Handicraft Development Corporation, Malaysia
2. Beigeleisen, (1958), *“Silk Screen Techniques”*, Dover Publications, New York
3. Brotighton K, (1995), *“Textile dyeing”*, Rockport Publishers, Massachusetts
4. Caldwell L, (2006), *“Shibori”*, Lark Books, New York
5. Crill R and Murphy V, (1988), *“The technique of Batik”*, B.T.Batsford Ltd, London
6. Gunner J, (2006), *“Shibori”*, Batsford London
7. Kendall T, (2001), *“The fabric and yarn dyer’s handbook”*, Collins & Brown Ltd, London

8. Marsh J.T., (1979), *"Textile Science"*, B.I. Publications
9. Pellew C.E., (1998), *"Dyes and Dyeing"*, Abhishek Publication, Chandigarh
10. Prayag R.S., *"Technology of textile printing"*, MRS. L.R. Prayag,Dharwad
11. Prideaux V, (2003), *"A hand book of Indigo Dyeing"*, Search Press Ltd.
12. Projen P V, (1997), *"Batik Design"*, Shambhala, Boston
13. Shah K.M., (1998), *"Handbook of Synthetic dyes and pigments Vol I and III"* Multi-Tech Publishing Co.,Mumbai
14. Shenai V.A., (1987), *"Chemistry of dyes and principles of dyeing"*, Sevak Publications,Bombay
15. Stallabross Pam, (1992), *"The creative guide to fabric screen printing"*, New Holland Ltd., London
16. Tholia A, (2009), *"Live Textiles-Vol.II"*, Sarv International, Star business world, New Delhi
17. Wells Kate, (1997), *"Fabric dyeing and Printing"*, Conran Octopus Ltd, London

4 –Year Degree under Graduate (UG) Syllabus

B. Design Textile Design

Semester –VI

Subject	Credits	Total Hours	Marks				
			Th	Pr	Th	Pr	
Innovation In Textile Studies	4	90	25	25	50	-	100
Theory and Practical			Internal	External	Total		

OBJECTIVES:

The learner will be able to:

- 1) Relate various uses of industrial textiles.
- 2) Identify innovations in the textiles and their uses in diverse fields.
- 3) Review the eco-friendly textiles for fashion industry that can be used for product development.

CONTENT:

Block No.	Objectives	Topic/Content Analysis	Assignments	% weightage of Marks
1	To be able to analyze the significance of technical textiles.	Technical Textiles	Presentation by student on any one with detail information on innovation in the field of textiles.	25
2	To be able to explain performance textiles.	Performance Textiles		25
3	To be able to analyze the use of modern materials, smart fabrics available today.	Modern materials and smart textiles		25
4	To be able to describe types and application of sustainable textiles.	Eco friendly and sustainable textiles		25

Evaluation pattern –

Internal Assessment: Class Assignments and Class Test – (Theory 25, Practical 25) To Be Converted In To 25 marks

External Assessment: Final Exam - 50Marks. (Theory)

REFERENCE BOOKS:

1. Berndt E., (2006), *“Textile Technology”*, Hanser publishing , Munich
2. Brown S., (2010), *“Eco fashion”*, Laurence King Publishing Ltd
3. Cohen A, Johnson I & Price A,(1999), *“J.J. Pizzuto’s Fabric Science-Seventh Edition”*, Fairchild Publications
4. Cresswell L, *“Textiles at the cutting edge”*
5. Humphries M, (2009), *“Fabric reference-Fourth Edition”*, Pearson Prantice Hall
6. Textile view magazine, (2010)

4 –Year Degree Under Graduate (UG) Syllabus

**B. Design Textile Design
Semester –VII**

Subject	Credits	Total Hours	Marks				
			Th	Pr	Th	Pr	
Jacquard Weaving	4	120	-	25	-	75	100
Practical			Internal	External	Total		

OBJECTIVE:

The learner will be able to:

- 1) Identify various types of woven jacquard fabrics that are used in the industry.
- 2) Describe the jacquard mechanism and designing techniques.
- 3) Design jacquard fabrics using computer aided textile design software.

CONTENT:

Block No.	Objectives	Topic/Content Analysis	Assignments	% weightage of Marks
1	To be able to recognize basics of jacquard weaving.	Basic understanding of the terminology used in jacquard weaving	Collection of 20 jacquard fabrics. Analyze them and replicate the design on computer aided textile design software.	10
2	To be able to recognize the operating principals of jacquard.	Principle of jacquard weaving		30
3	To be able to construct the jacquard fabrics on specified software.	Construction and development of jacquard designs on computer aided software.	Develop 10 swatches on computer aided textile design software for jacquard design	40
4	To be able to interpret the use of jacquards for fashion categories.	Use of jacquard fabrics in textile and fashion industry Development of jacquard designs for Woman's wear, Kid's wear and Home furnishing.		20

Evaluation pattern –

Internal Assessment: Class Assignments and Class Test –25 marks

External Assessment: Final Exam - 75Marks.

REFERENCE BOOKS:

1. Berndt E., (2006), *“Textile Technology”*, Hanser Publishing, Munich
2. Fox T., (1957), *“The mechanism of weaving”*, Macmillan Co Limited
3. Grosicki Z.J., (1989), *“Watson’s Advanced Textile Design”*, London-U.K. Newnes-Butterworths Bombay-India
4. Grosicki Z.J., (2004), *“Watson’s Textile Design and Colour”*, Woodhead Publishing Limited
5. Kadolph S.J., (2007), *“Textiles-Tenth Edition”*, Pearson Prantice Hall

4 –Year Degree Under Graduate (UG) Syllabus

B. Design Textile Design

Semester –VII

Subject	Credits	Total Hours	Marks				
			Th	Pr	Th	Pr	
Computer Aided Textile Design	4	120	-	25	-	75	100
Practical			Internal	External	Total		

OBJECTIVES:

The learner will be able to:

1. Identify and create types of plaids and strips using computer aided textile design software.
2. Create fabric designs that can be used for apparel and home furnishings.
3. Create print designs and its placements for various fabrics for the apparel.
4. Formulate textile mapping and illustration that can be displayed through presentation.

CONTENT:

Block No.	Objectives	Topic/Content Analysis	Assignments	% weightage of Marks
1	To be able to make types of plaids and strips on a CAD software.	Plaids and Stripes Development ☐ Colour ways ☐ Simulations ☐ Production	Projects on all blocks considering the Fashion Categories and home furnishing	25
2	To be able to make designs with dobby/ Jacquard design on a CAD software	Dobby Designs And Jacquard Designs ☐ Different types of weaving		25
3	To be able to make the use of knowledge of printing in developing prints for the garments on CAD software.	Print Designing ☐ Colour ways ☐ Spot Colour separation for screen printing		25
4	To be able to analyze textile mapping and illustration and their presentation.	Textile mapping and illustration for catalogue and presentations.		25

Evaluation pattern –

Internal Assessment: Class Assignments and Class Test To Be Converted In To 25 marks

External Assessment: Final Exam - 75Marks.

REFERENCE BOOKS

1. Barrons, (2012), *"Textile Printing"*, Barrons educational series
2. Bowles M, Isaac Ceri, (2012), *"Digital Textile Design"*, Laurance king publishing
3. Quinn B., (2009), *"Textile Designer , at the cutting edge"*, Laurence King Publishing
4. Reach Fashion Studio Mannual for CAD Software or equivalent
5. Russell A., (2011), *"The fundamentals of Printed textile design"*, AVA Publishing
6. Wonder Weaves Design Studio Mannual for Textile CAD-CAM

4 –Year Degree Under Graduate (UG) Syllabus

B. Design Textile Design

Semester –VII

Subject	Credits	Total Hours	Marks				
			Th	Pr	Th	Pr	
Design Project	4	120	-	25	-	75	100
Practical			Internal	External	Total		

OBJECTIVES:

The learner will be able to:

1. Explore the requirements and demands of domestic brands through research for apparel and home textiles
2. Create a product range suitable to the selected domestic brand with the help of design process.

CONTENT:

Block No.	Objectives	Topic/Content Analysis	Assignments	% weightage of Marks
1	To be able to choose an appropriate theme and implementation of the same to create a collection.	Selection of themes for the collection <input type="checkbox"/> Market Research <input type="checkbox"/> Development of mood boards <input type="checkbox"/> Roughs <input type="checkbox"/> Work on Textures <input type="checkbox"/> Collect swatches	Projects on all blocks considering the Fashion Categories and home furnishing	25
2	To be able to create sketches, fabric swatches, trimmings, ornamentation, textures by experimenting.	Experimenting and creating a storyboard <input type="checkbox"/> The final sketches <input type="checkbox"/> Fabric swatches <input type="checkbox"/> Ornamentation <input type="checkbox"/> Textures		25
3	To be able to create the designs according to the selected theme	-Presentation & Feedbacks		25
4	To be able to present the final presentation in front of external jury	-Final collection -Client Presentation using CAD.		25

Evaluation pattern –

Internal Assessment: Class Assignments and Class Test To Be Converted In To 25 marks

External Assessment: Final Exam - 75Marks.

REFERENCE BOOKS:

1. Best K., (2006), *“Design Management”*, AVA Publishing
2. Clarke S., (2011), *“Textile Design”*, Laurence King Publishing Ltd.
3. Mckelvey K, (2003), *“Fashion Design Process, Innovation and Practice”*, Blackwell Publishing
4. Quinn B., (2009), *“Textile Design, At the cutting edge”*, Laurence King Publishing
5. Steivewright S.,(2007), *“Research Design”* AVA publishing

4 –Year Degree Under Graduate (UG) Syllabus

B. Design Textile Design

Semester –VII

Subject	Credits	Total Hours	Marks				
			Th	Pr	Th	Pr	
Internship	4	120	-	25	-	75	100
Practical			Internal	External	Total		

OBJECTIVES:

The learner will be able to:

1. Apply the textile knowledge to acquire expertise and proficiency in respective field under the guidance of various Fashion & Textile industries.

CONTENT:

Block No.	Topic/Content Analysis	Assignments	% weightage of Marks
1	<p>Internship refers to a stage/phase during which an individual will get opportunity to experience her industry of interest before entering into it full time and opting for it as her future career.</p> <p>Internships exposed to candidate about the understanding the way particular industry functions and what it would be like to work in that scenario.</p> <p>The candidates gain valuable insights into their own personalities and skills.</p> <p>Such an experience put them in a better situation to decide whether they are suited for particular role.</p> <p>The process begins with:</p> <ol style="list-style-type: none"> 1) Preparation of C.V. 2) Preference sheet (Preparation for location and type of industry) 3) Completion of campus to corporate module. 4) Minimum 50% marks requirement in all subjects (College may give some relaxation on the basis of valid reasons) 5) The internship will enrich the student for Understanding of the career field 	<p>Internship Evaluation:</p> <p>☑ On the basis of Internal evaluation for curriculum vitae and viva to evaluate whether student having capabilities to undergo industry training</p> <p>☑ Final evaluation of Internship</p>	50

Evaluation pattern –

Internal Assessment: Class Assignments and Class Test To Be Converted In To 25 marks

External Assessment: Final Exam - 75Marks.

REFERENCE BOOKS:

1. Bubonia- Clarke J., (2007), *“Developing & branding the fashion merchandising Portfolio”*, Fairchild Publishing
2. Ciresi Ciresi J., (2013), *“Designing your Fashion Portfolio”*, Fairchild Publishing
3. Faerm S., (2011), *“Fashion Portfolio”*, A&C Black Bloomsbury Publishing

4 –Year Degree Under Graduate (UG) Syllabus

B. Design Textile Design

Semester –VII

Subject	Credits	Hours	Marks				
			Th	Pr	Th	Pr	
Introduction to Entrepreneurship & IPR	4	60					100
			25	-	75	-	
Theory			Internal	External	Total		

OBJECTIVES:

The learner will be able to:

1. Employ the basic knowledge and skills in the areas of Entrepreneurship and Small Business Management
2. Achieve skills to Set up own enterprise and manage it successfully in the post quota regime

CONTENT:

Block No.	Objectives	Topic/Content Analysis	Assignments	% weight age of Marks
1	To be able to recognize the significance and importance of entrepreneurship	Introduction To Entrepreneurship- Concept And Need Types Of Entrepreneurs- Proprietary, Partnership and Group Entrepreneurship	Case study- Success story of any	2 5
2	To be able to explain the different options to start a business	Qualities of a good entrepreneur Entrepreneurial Assets: Values and attitudes Role demands, Barriers Motivation Achievement Motivation, Need for Achievement Factors: Internal and External Entrepreneurial Ideas: Creativity and Idea Generation, Searching and selecting Entrepreneurial Ideas, Dynamics of project Identification, Matching Project and enterprise, Gather Information on what works, How to succeed and mistakes to avoid	To study the forms of ownerships of different businesses	2 5

3	To be able to discuss the meaning and concept of Intellectual Property Rights and recognize the importance of protecting Intellectual property	Intellectual property- Definition & characteristics Types of Intellectual property- Relevance of IP at various stages of business cycle, Brief National IP laws Trade secrets: What are trade secrets, Protection of trade secret, Adv. & disadvantage Of trade secret, Developing trade secret strategy for business Patents: Patent & its importance, Patenting Process Advantages of patent rights & documents IPR and Application issues: IP for crafts & visual arts protection		25
4		Copyrights: Definition, Copyright Procedure Advantages, Concept of collective management of copyright, "Using Work" protected by copyright Trademarks: Definition and its importance, Selection & Protection of trademark, Registration & Trademark classification system, Cost to protect a trademark, What makes a good trademark, "USING" Trademark, Types of marks, Enforcing Trademarks Geographical Indications: Definition & its relevance to India, geographical indications procedure Geographical indications v/s rules of origin v/s trademark, Protection of geographical indications at international level		25

Evaluation pattern –

Internal Assessment: Class Assignments and Class test - To Be Converted In To 25

External Assessment: Final Exam - 75 Marks.

REFERENCE BOOKS:

1. Anderson J. & Regni R., (2009), *"Entrepreneurship in Action"*, Fairchild Books, Inc.
2. Granger M and Tina, (2011), *"Fashion Entrepreneurship : Retail Business Planning"*, Fairchild, New York
3. Hisrich R & Peters M.,(2007), *"Entrepreneurship"*, Tata McGraw-Hill
4. Nicholas C.& Siropolis,(1993), *"Small Business Management : A guide to entrepreneurship"*, Houghton Mifflin College Div;
5. Shankar R., (2012), *"Entrepreneurship-Theory and Practice"*, Vijay Nicole Imprints Pvt. Ltd.

4 –Year Degree Under Graduate (UG) Syllabus

B. Design Textile Design

Semester –VIII

Subject	Credits	Total Hours	Marks				
Floor Coverings (Elective)	4	120	Th -	Pr 25	Th -	Pr 75	100
Practical			Internal	External	Total		

OBJECTIVES:

The learner will be able to:

1. Identify various types of floor coverings and techniques used for home furnishings.
2. Enhance the skills for developing floor coverings with contemporary designs.

CONTENT:

Block No.	Objectives	Topic/Content Analysis	Assignments	% weightage of Marks
1	To be able to identify materials use for flooring	Introduction to different types of floor coverings used in India	Collection of minimum 5 swatches	25
2	To be able to analyze the tools and features of flooring	Types of Raw material and tools required		25
3	To be able to recognize the various types of floor coverings	Understanding of the techniques <input type="checkbox"/> Tufted carpet <input type="checkbox"/> Woven carpet <input type="checkbox"/> Needle punched <input type="checkbox"/> Knitted carpet	Documentation on any one type of floor covering	25
4	To be able to create the floor coverings.	Application of the floor covering in home textiles		25

Evaluation pattern –

Internal Assessment: Class Assignments and Class Test –To Be Converted In To 25 marks

External Assessment: Final Exam - 75Marks.

REFERENCE BOOKS:

1. Chattopadhyay K, (1995), *“Handicrafts of India”*, New age International Publishers Ltd.,New Delhi.
2. Grosicki Z.,(2004), *“Textile design & color”*, Woodhead Publishing
3. Grosicki Z.J., (1989), *“Watson’s Advanced Textile Design”*, London-U.K. Newnes- Butterworths Bombay-India
4. Price A., Cohen A., Johnson. I, (1999), *“J.J. pizzuto’s Fabric Science”*, Fairchild Publication, 7th Edition
5. Vail J.,(1997), *“Rag Rugs”*, Apple press, london

4 –Year Degree Under Graduate (UG) Syllabus

B. Design Textile Design

Semester –VIII

Subject	Credits	Total Hours	Marks				
			Th	Pr	Th	Pr	
Knit Design (Elective)	4	120	-	25	-	75	100
Practical			Internal	External	Total		

OBJECTIVES:

The learner will be able to:

1. Create designs with computerized knitting design software.
2. Analyze and compare the types and behavior of knitted active and performance wear.
3. Develop the product range based on the knitted fabric for global market.

CONTENT:

Block No.	Objectives	Topic/Content Analysis	Assignments	% weightage of Marks
1	To be able to create fabric on computerized knitting machine.	Computer aided Knitwear garment design Fully fashion Garmenting	To develop 15 samples with computer aided knitwear design software	25
2	To be able to recognize the categories of garments and its manufacturing techniques used in active sportswear industry.	Active Sportswear 1. Study of different sports wear in reference to its structure, construction of garments according to its end use. 2. Sports accessories	To develop a collection for Active sportswear category.	25
3	To be able to recognize the categories of garments and its manufacturing techniques used in performance apparel industry.	Performance Apparel ☐ Study of High fashion garments for men's wear, women's wear	To develop a collection for High fashion garments category.	25

4	To be able to create range for women wear for global market.	Range development for High Fashion apparel	To develop a collection for women's wear category.	25
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Evaluation pattern –

Internal Assessment: Class Assignments and Class Test –To Be Converted In To 25 marks

External Assessment: Final Exam - 75Marks.

REFERENCE BOOKS:

1. Ajgaonkar D.B., (1998), *"Knitting Technology"* Universal Publishing Corporation Bombay.
2. Black S., (2012), *"Knitting Fashion, Industry, Craft"*, V & A Publishing
3. Brackenbury T., (1992), *"Knitting Clothing Technology"*, Blackwell Publishing
4. Lystrup L, (2008), *"Vintage Knitwear"* Thames and Hudson
5. Shaeffer C., (1994), *"Fabric Sewing Guide"*, Krause Publications
6. Spencer D., (2001), *"Knitting Technology"*, Wood head Publishing Limited

4 –Year Degree Under Graduate (UG) Syllabus

B. Design Textile Design

Semester –VIII

Subject	Credits	Total Hours	Marks				
			Th	Pr	Th	Pr	
Woven Design (Elective)	4	120	-	25	-	75	100
Practical			Internal	External	Total		

OBJECTIVES:

The learner will be able to:

1. Recognize the present trends and develop the woven fabrics for home textiles and apparels.
2. Impart the knowledge to develop range for home textile & apparel categories.

CONTENT:

Block No.	Objectives	Topic/Content Analysis	Assignments	% weightage of Marks
1	To be able to explain the present trends and create the woven patterns for home textiles and apparels on specified software	Market survey for the woven designs for home textiles and apparels	Range development for home textiles Range development for apparels – women’s or kids	25
2	To be able to create the woven patterns for home textiles and apparels on specified software	Development fabric swatches on loom or on Design software.		25
3	To be able to design range for home textiles on specified software	Range development for home textiles		25
4	To be able to create range for apparels – women’s or kids	Range development for apparels – women’s or kids		25

Evaluation pattern –

Internal Assessment: Class Assignments and Class Test –To Be Converted In To 25 marks
External Assessment: Final Exam - 75Marks.

REFERENCE BOOKS:

1. Berard C,(1983), *"Textile from fiber to fabric-Sixth edition"*, Mc Graw-Hill international edition
2. Cohen A, Johnson I & Price A,(1999), *"J.J. Pizzuto's Fabric Science-Seventh Edition"*, Fairchild Publications
3. Collier B & Toratora P, (2001), *"Understanding Textiles-Sixth Edition"*, Prentice-Hall,Inc.
4. Eberle H., Hornberger M., Hermling H., Kilgus R., Menzer D., Ring W., (2002), *"Clothing Technology"*, Europa Lehrmittel
5. Gioello D A, (1996), *"Understanding Fabrics: from fiber to finished cloth"*, Fairchild Publication, New York
6. Hallett C. and Johnston A., (2010), *"Fabric for fashion"*, Laurence King Publishing.
7. Humphries M, (2009), *"Fabric reference-Fourth Edition"*, Pearson Prantice Hall
8. Jefferson S, (2005), *"Clothing Technology"*, Abhishek Publications, Chandigarh
9. Kadolph S.J., (2007), *"Textiles-Tenth Edition"*, Pearson Prantice Hall

4 –Year Degree Under Graduate (UG) Syllabus

B. Design Textile Design

Semester –VIII

Subject	Credits	Total Hours	Marks				
			Th	Pr	Th	Pr	
Print Design (Elective)	4	120	-	25	-	75	100
Practical			Internal	External	Total		

OBJECTIVES:

The learner will be able to:

1. Achieve and develop creative skills required in print development.
2. Create a collection for women's apparel and home furnishing by innovating appropriate print based on a theme.

CONTENT:

Block No.	Objectives	Topic/Content Analysis	Assignments	% weightage of Marks
1	To be able to create digital designs for natural fabrics	Digital Printing: Styles Natural Fabrics and synthetic fabrics	Documentation on minimum 10 prints per decade. Preparation of a collection.	25
2	To be able to create digital designs for synthetic fabrics	Digital Printing: Styles synthetic fabrics		25
3	To be able to create designs for women wear with transfer prints.	Transfer Printing: Range Development		25
4	To be able to create designs for a home furnishing market.	Print med ups		25

Evaluation pattern –

Internal Assessment: Class Assignments and Class Test –To Be Converted In To 25 marks

External Assessment: Final Exam - 75Marks.

REFERENCE BOOKS:

1. Barrons, (2012), *“Textile Printing”*, Barrons educational series
2. Bowles M, Isaac C, (2012), *“Digital Textile Design”*, Laurance king publishing
3. Clarke W, (2004), *“An introduction to textile printing”*, Woodhead Publishing Limited
4. Drudi, (2008), *“Fashion Prints”*, Pepin Press BV
5. Fogg M, (2006), *“Print in Fashion”*, Page one publishing Pvt.Ltd.
6. Russel A., (2011), *“The fundamentals of Printed Textile Design”*, AVA publishing

4 –Year Degree Under Graduate (UG) Syllabus

B. Design Textile Design

Semester –VIII

Subject	Credits	Total Hours	Marks				
			Th	Pr	Th	Pr	
Design Collection	4	120	-	25	-	75	100
Practical			Internal	External	Total		

OBJECTIVES:

The learner will be able to:

- 3) Apply the design process to develop a design collection that syncs with Fashion & Textile industry.
- 4) Showcase the collection which is aesthetically appealing and commercially viable as per the industry requirement.
- 5) Create a range suitable to the selected Textile Apparel and Home furnishing brand.

CONTENT:

Block No.	Objectives	Topic/Content Analysis	Assignments	%weightage of Marks
1	To be able to use the appropriate theme and implementation of the same for creating a collection.	Selection of themes for the collection <input type="checkbox"/> Market Research <input type="checkbox"/> Development of mood boards <input type="checkbox"/> Roughs <input type="checkbox"/> Work on Textures <input type="checkbox"/> Collect swatches	Final entire collection of Home Textiles	25
2	To be able to create the final sketches, fabric swatches, trimmings, ornamentation, textures by experimenting.	Experimenting and creating a storyboard <input type="checkbox"/> Decision on colour, dyeing and printing etc. <input type="checkbox"/> Fabric swatches <input type="checkbox"/> Ornamentation <input type="checkbox"/> Textures		25
3	To be able to improve presentation skills.	-Presentation & Feedbacks		25

4	To be able to present the final presentation in front of external jury	-Final collection -Client Presentation using CAD. -Develop the entire collection of Home Textiles		25
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Evaluation pattern –

Internal Assessment: Class Assignments and Class Test To Be Converted In To 25 marks

External Assessment: Final Exam - 75Marks.

REFERENCE BOOKS:

1. Best K., (2006), *“Design Management”*, AVA Publishing
2. Clarke S., (2011), *“Textile Design”*, Laurence King Publishing Ltd.
3. Etchetto M., (2010), *“1000 Ideas for Home Design & Decoration”*, Loft Publishing
4. Steed J., (2012), *“Sourcing Ideas”*, AVA publishing
5. Whitmore M., (1999), *“Home furnishing Workbook”*, Collins & Brown Ltd

4-Year U.G. Degree Syllabus
B Design – Textile Design
Semester - VII

Subject	Credits	Total hours	Marks			
			Th	Pr	Th	Pr
Retail and Visual Merchandising	4	60	25	-	75	-
Theory			Internal	External	Total	

OBJECTIVES:

The learner will be able to-

- 1) Appraise the Importance of visual merchandising in fashion industry through elements and theories for store display.
- 2) Perceive the meaning and concept of retail and the changing trends and developments in Retail industry
- 3) Recognize and study the significance of brands and customer centricity in fashion business.

CONTENT:

Block No.	Objective	Topic/Content Analysis	Assignment	% Of Weight Age Marks
1	To be able to explain the role of concept, elements and theories in visual merchandising	Introduction to Visual Merchandising: The role of Visual Merchandising in a store, the growing significance of Visual Merchandising Theories of Visual Merchandising: Color and Texture, Line and composition, Lights and lighting	Case study- Future group (diversification)	25
2	To be able to describe the implementation of visual merchandising & its tools in stores	Areas of display: The store exteriors, Window display, Store interiors Means of visual communication: Furniture's and fixtures, props, Graphics and signage, Mannequins	Documentation and presentation)- Study and compare 2 retailers with similar positioning w.r.t. any 2 parameters	25

3	To be able to explain the meaning and concept of retail.	Introduction to retail: Introduction to the world of retailing; roles performed by a retailer, Types of retailers: retail formats, Multi-channel retailing, Customer buying behavior	To study and compare 2 retailers w.r.t. store fixtures and signage used To Collect pictures of Retail store signage	25
4	To be able to describe the growing significance of branding and customer centricity in business.	Retail branding & customer relationship: The value delivery process: customer value, perceived value, customer expectations, customer satisfaction & delight, customer loyalty, customer lifetime value, Retail branding: brand equity, brand identity prism	(Documentation and presentation) - SWOT Analysis of Indian Retail Industry	25

EVALUATION PATTERN –

Internal Assessment: Class Assignments and class test - To Be Converted In To 25
External Assessment: Final Exam - 75 Marks.

REFERENCE BOOKS:

1. Dennis C., Fenech T., and Merrilees B. (2004), "E- retailing", Routledge, London.
2. Kapferer J.N., (1994) "Strategic Brand Management", Free Press Publication.
3. Khera P., "Franchising", Tata McGraw Hill, 1st Edition.
4. Levy M., Pandit A. and Weitz B., "Retailing management", Tata McGraw Hill, 6th Edition.
5. Pegler M.M., (2006) "Visual merchandising & display", Fairchild Publication, 6th Edition.
6. Serrats M., (2006), "Point of purchase", Harper Design Publications.
7. Weishar J. (2005) , "The aesthetics of merchandise presentation", ST Media Group International Inc., 1st Edition.

4 –Year Degree Under Graduate (UG) Syllabus

B. Design Textile Design

Semester –VIII

Subject	Credits	Total Hours	Marks				
			Th	Pr	Th	Pr	
Portfolio Development	4	120	-	25	-	75	100
Practical			Internal	External	Total		

OBJECTIVES:

The learner will be able to:

1. Apply the textile knowledge to acquire expertise and proficiency in respective field under the guidance of various Fashion & Textile industries.

CONTENT:

Block No.	Topic/Content Analysis	Assignments	% weightage of Marks
1	To develop individual forecasts consisting of details on colours, fabrics, trims and accessories To develop a range of Home Textiles based on the developed forecast Portfolio (importance and contents)	Portfolio making.	100

Evaluation pattern –

Internal Assessment: Class Assignments and Class Test To Be Converted In To 25 marks

External Assessment: Final Exam - 75Marks.

REFERENCE BOOKS:

1. Bubonia- Clarke J., (2007), *“Developing & branding the fashion merchandising Portfolio”*, Fairchild Publishing
2. Ciresi Ciresi J., (2013), *“Designing your Fashion Portfolio”*, Fairchild Publishing
3. Faerm S., (2011), *“Fashion Portfolio”*, A&C Black Bloomsbury Publishing