

## Syllabus

### Bachelor in Design (Specialization in Textiles) Department of Silpa-Sadana, PSV

#### Semester V

Subject Code	Subject	Broad area (s) to be covered	Credit	Mode of teaching	Marks	Course Objective/ Outcome
TC-V/01	History of Design	Common for all three specialization	2	Practical	50 (25+25)	Ability enhancement
TC-V/02	Quality Assurance, Accountancy and Costing	Quality control, accountancy, knowledge about different tax systems, costing etc.	2	Theory	25 (5+20)	Employability and entrepreneurship
TC-V/03	Materials & Processes - I	Natural fibres, yarn and preparatory to weaving	4	Theory	50 (10+40)	Enrichment of domain knowledge and employability & entrepreneurship
TC-V/04	Textile Technology - I	Weaving mechanism, Fabric Structure and Calculation – I (Group A)	2	Theory	25 (5+20)	Enrichment of domain knowledge and employability & entrepreneurship
		Preparatory and allied chemical processing (Group B)	2		25 (5+20)	
			4		50 (10+40)	
TC-V/05	Workshop Practice - I	Weaving Practice -I	4	Practical	100 (50+50)	Skill development
		Workshop practice on preparatory and allied chemical processing	2		50 (25+25)	
			6		150 (75+75)	

TC-V/06	Product Design - I	Weaving	6	Practical	150 (75+75)	Employability and entrepreneurship
<b>Total Credit 24</b>						

Subject Code	Subject	Broad area (s) to be covered	Credit	Mode of teaching	Marks (Internal + External)
TC-V/02	Quality Assurance, Accountancy and Costing	Quality control, accountancy, knowledge about different tax systems, costing etc	2	Theory	25 (5+20)
<ul style="list-style-type: none"> <li>• Concept of quality, need for quality assurance. Prevention, appraisal and failure aspects of quality.</li> <li>• Quality control: Statistical quality control. Management of quality: data collection, analysis and reporting. □ National and International Standardization.</li> <li>• Introduction to accountancy, its need in industry. Maintenance of accountancy in an organisation, Worked out examples. Acquaintance with commonly used accountancy software.</li> <li>• Estimation and costing. Costing principles, costing patterns for different process flows, worked out examples. Rudimentary knowledge about different tax systems, VAT, MODVAT, and basic concepts on trade licence, company laws etc.</li> </ul>					

Subject Code	Subject	Broad area (s) to be covered	Credit	Mode of teaching	Marks (Internal + External)
TC-V/03	Materials & Processes - I	Natural fibres, yarn and preparatory to weaving	4	Theory	50 (10+40)
<ul style="list-style-type: none"> <li>• Introduction to Textile fibres</li> <li>• Classification of fibres</li> <li>• Physical and chemical properties of Natural fibres (Cotton, Jute, Silk, Wool, Linen etc.) □ Types of yarns</li> <li>• yarn properties</li> <li>• Introduction to spinning</li> <li>• Basic principle of opening, cleaning, blow-room, carding, combing, drawing, roving and ring spinning</li> <li><b><i>Introduction to preparatory to weaving</i></b></li> <li>• Weaving preparatory processes ——— their utility.</li> <li>• Different preparatory processes like Winding, Warping, Sizing ——— their objectives, basic principle of operation.</li> <li>• Different types of devices or machines employed for preparatory processes.</li> </ul>					

Subject Code	Subject	Broad area (s) to be covered	Credit	Mode of teaching	Marks (Internal + External)
TC-V/04	Textile Technology - I	Weaving mechanism, Fabric Structure and Calculation – I (Group A)	2	Theory	25 (5+20)
<ul style="list-style-type: none"> <li>• Evolution of handloom.</li> <li>• Descriptive study of different handlooms.</li> <li>• Study of different parts and accessories of handloom ——— their functions. □ Motions of loom ——— their functions.</li> <li>• Fabric structure ——— Concept of weave, repeat, weaving plan. Methods of weave representation, different types of drafts.</li> <li>• Fundamental weaves namely plain, twill, satin/sateen and their derivatives.</li> <li>• Numbering systems of yarn.</li> <li>• Conversion of yarn count.</li> <li>• Calculation of resultant count and average count.</li> <li>• Reed count and calculations.</li> <li>• Heald count and calculations.</li> <li>• Warp, weft and cloth calculations.</li> </ul>					
TC-V/04	Textile Technology - I	Preparatory and allied chemical Processing (Group B)	2	Theory	25 (5+20)

- Water hardness: Nature of hardness and their reasons, effect of hardness in textile processing, different methods of hardness removal in brief.
- Dry preparatory processes: Mending, Stamping, Shearing and Cropping, Singeing etc.
- Chemistry and technology of removing natural and added impurities from natural fibres, viz. Cotton, Jute, Silk, Wool and others.
- Chemistry and Technology of bleaching cotton, silk, wool, jute and others employing different bleaching agents like hydrogen peroxide, hypochlorite etc.
- Stabilized bleaching, Woolenisation and chemical dehairing of jute.
- Preparatory process sequence of common blends like Polyester/cotton, Polyester/Viscose etc.
- Optical brightening agent and bluing agents for textiles: principles and their application process. ➤ Environment friendly preparatory process and recent developments.
- Mercerization of cotton substrates: principles and process parameters
- Different machineries used for batch, continuous and semi-continuous preparatory processing of textiles.
- Evaluation of desizing, scouring, bleaching and mercerization efficiencies.

Subject Code	Subject	Broad area (s) to be covered	Credit	Mode of teaching	Marks (Internal + External)
TC-V/05	Workshop Practice - I	Weaving practice - I	4	Practical	100 (50+50)
		<ul style="list-style-type: none"> <li>• Preparatory processes before weaving ——— bobbin and pirn winding by Charkha and other imported appliances.</li> <li>• Preparation of warp, ball warp, drawing-in, denting, gaiting up of warp.</li> <li>• Weaving practice on frame loom/hobby loom.</li> <li>• Weaving cloth samples using fundamental weaves and their derivatives.</li> </ul>			
TC-V/05	Workshop Practice - I	Preparatory and allied chemical Processing workshop	2	Practical	50 (25+25)

- Estimation of water hardness
- Desizing of cotton fabric
- Scouring of cotton yarn/fabric
- Bleaching of cotton yarn/fabric with a) hydrogen peroxide and b) Hypochlorite
- Degumming and bleaching of silk
- Scouring and bleaching of wool fibre
- Scouring and bleaching of jute
- Stabilized bleaching of jute
- Application of optical brightening agent on cotton, silk etc.
- Evaluation of desized, scoured and bleached textiles
- Eco-friendly scouring and bleaching and as well as enzymatic degumming of silk
- Determination of dimensional stability of textile fabric

<b>Subject Code</b>	<b>Subject</b>	<b>Broad area (s) to be covered</b>	<b>Credit</b>	<b>Mode of teaching</b>	<b>Marks (Internal + External)</b>
TC-V/06	Product Design - I	Weaving	6	Practical	150 (75+75)

**Introduction**

This course is an extension of earlier inputs given to the students in area of woven textiles. The student will continue to explore basic woven structures through product design. There is greater emphasis on the development on concepts, visual problem solving from paper to finished woven pieces and personal statement for the end user. Students will develop skills with colour and weave effects to control colour and patterns. There is an emphasis on application of design process with selection of appropriate materials for sampling as a reference for finished work.

**Aim**

To produce a collection of a product for home furnishings/apparel using basic weaves and their derivatives.

**Objectives**

- To understand colour and weave effect
- Selection of material and woven structure with product development as per design brief
- Make illustrations of design ideas
- Learn to make specification sheet of samples for production process
- To make a collection of a product in different colour ways

**Semester VI**

<b>Subject Code</b>	<b>Subject</b>	<b>Broad area (s) to be covered</b>	<b>Credit</b>	<b>Mode of teaching</b>	<b>Marks (Internal + External)</b>	<b>Course Objective/ Outcome</b>
TC-VI/01	History of Indian Textiles & Accessories	History of Indian textile and clothing	2	Theory	25 (5+20)	Ability enhancement

TC-VI/02	Textile Testing Methodology	Identification of textile fibres and dyes, Mechanical Testing, Colourfastness to different agencies, etc	2	Practical	50 (25+25)	Skill development and employability
TC-VI/03	Materials & Processes - II	Manmade fibres and yarns including decorative/fancy yarns	4	Theory	50 (10+40)	Domain knowledge enrichment and employability & entrepreneurship
TC-VI/04	Textile Technology - II	Weaving Mechanism, Fabric Structure and Calculation – II Dyeing of textile substrates	2	Theory	25 (5+20)	Domain knowledge enrichment and employability & entrepreneurship
			2		25 (5+20)	
			<b>4</b>		<b>50 (10+40)</b>	
TC-VI/05	Workshop Practice - II	Weaving Practice – II  Textile Dyeing workshop	4	Practical	100 (50+50)	Skill development
			2		50 (25+25)	
			<b>6</b>		<b>150 (75 +75)</b>	
TC-VI/06	Product Design - II	Creative and unconventional Surface ornamentation techniques	6	Practical	150 (75+75)	Employability and entrepreneurship
<b>Total Credit 24</b>						

Subject Code	Subject	Broad area (s) to be covered	Credit	Mode of teaching	Marks (Internal + External)
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TC-VI/01	History of Indian Textiles & Accessories	Brief history of Indian textile and clothing	2	Theory	25 (5+20)
<p><b>Section-A</b></p> <ul style="list-style-type: none"> <li>• Indian heritage: brief study of Indian textiles. Different varieties of manufactured handloom textiles from north-eastern, eastern, western and southern region in India.</li> <li>• Study of Traditional textiles of different states of India with reference to its historical significance, technique, color &amp; motifs, construction of the famous woven crafts like; Jamdani, Benarasi, Brocade, Paithani, Chanderii, Himru, Masru, Maheshwari , Baluchari saree etc.</li> <li>• Study of dyed &amp; printed textiles with reference to historical significances, dyeing technique, color &amp; motif of Patola, Ikat, Teli Rumal, Batik, Bandhani, Sanganeri, block printing, kalamkari, mud printing (Bagru), etc</li> </ul> <p><b>Section-B</b></p> <ul style="list-style-type: none"> <li>➤ Study of embroideries with reference to color, motif, stitches &amp; fabric of the crafts like Kantha, Phulkari, Chickankari, Chamba rumal, Sujani bihari, Kasuti, etc.</li> <li>➤ Study of traditional clothing of different states of India</li> </ul>					

Subject Code	Subject	Broad area (s) to be covered	Credit	Mode of teaching	Marks (Internal + External)
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TC-VI/02	Textile Testing Methodology	Identification of textile fibres and dyes, Mechanical Testing, Colourfastness to different agencies, etc	2	Practical	50 (25+25)
<p>❖ Introduction to textile testing</p> <p><b>Physical testing</b></p> <ul style="list-style-type: none"> <li>❖ Identification of fibres (Physical &amp; Chemical method)</li> <li>❖ Fibre testing: length, fineness, maturity of cotton, moisture in fibres, foreign matter content, tensile testing.</li> <li>❖ Yarn testing: Yarn numbering, Twist, Tensile properties, uniformity etc.</li> <li>❖ Fabric testing: Thread density, cover factor, crimp, strength (tensile, tear, bursting), Comfort properties (handle, drape, thermal, air permeability etc.), Durability (Abrasion, pilling resistance, etc)</li> </ul> <p><b>Chemical testing</b></p> <ul style="list-style-type: none"> <li>❖ Assessment of colour fastness to different agencies viz. light, washing, rubbing etc.</li> <li>❖ Identification of commonly used dyestuffs on textile substrates</li> </ul> <p><b>Computerized colour measurements</b> i.e. K/S, Whiteness and yellowness index, Brightness index, Colour value, Hue, Chroma etc.</p>					

Subject Code	Subject	Broad area (s) to be covered	Credit	Mode of teaching	Marks (Internal + External)
TC-VI/03	Materials & Processes - II	Manmade fibres and yarns including decorative/fancy yarns	4	Theory	50 (10+40)
<ul style="list-style-type: none"> <li>• Introduction to Man-made Textile fibers</li> <li>• Classification of Man-made textile fibers</li> <li>• Requirements of man-made fibres</li> <li>• Introduction to synthetic fibers manufacturing (Viscose, Nylon, Polyester, Acrylic, Polypropylene etc.) □ Physical and chemical properties of man-made fibres.</li> <li>• Types of decorative yarns and principles of formation</li> <li>• Texturised yarn</li> <li>• Introduction to Doubling.</li> <li>• Different Yarn packages used in textiles</li> </ul>					

Subject Code	Subject	Broad area (s) to be covered	Credit	Mode of teaching	Marks (Internal + External)
TC-VI/04	Textile Technology - II	Weaving Mechanism, Fabric Structure and Calculation – II (Group – A)	2	Theory	25 (5+20)
<ul style="list-style-type: none"> <li>• Different types of heald Tie-ups and Heald Reversing Motions used for handloom.</li> <li>• Types of shedding and devices used for shedding ——— their merits and demerits.</li> <li>• Classification of looms according to shedding devices used.</li> <li>• Dobby shedding devices ——— Classification; Principle of operation of single and double lift dobbie; their merits and demerits.</li> <li>• Concept of combined weaves.</li> <li>• Weaving plan and features of Honeycomb, Brighton honeycomb, Huck-a-back, Mockleno, Corck screw, Crepe, Sponge, Diamond, Diaper/Dice, and other fancy weaves.</li> <li>• Warp, weft and cloth calculations.</li> <li>▪ Crimp, take-up, fractional cover and cover factor.</li> </ul>					
TC-VI/04	Textile Technology - II	Dyeing of textile substrates (Group B)	2	Theory	25 (5+20)

- Colour chemistry, classification and brief introduction on dyes, pigments. Different dye-fibre interactions
- Theory and technology of application of different classes of dyes (Direct, Reactive, Vat, Sulphur, Acid & Metal-Complex, Basic etc. on different natural fibres such as cotton, silk, wool, jute etc.
- Theory and technology of application of different classes of dyes (Disperse, Basic, Acid etc) on different synthetic fibres such as polyester, nylon, acrylic etc.
- Dyeing of common blended fabrics.
- Natural Dyes: Source, extraction and its application technology on textile substrates.
- Dyeing machineries: Batch, continuous and semi-continuous machineries involved in dyeing.
- Colour Science: Fundamentals of instrumental measurement of colour parameters, whiteness, yellowness, metamerism index etc.
- Manual and computerized colour matching systems: advantages and drawback ➤ Recent developments in dyestuffs and dyeing

Subject Code	Subject	Broad area (s) to be covered	Credit	Mode of teaching	Marks (Internal + External)
TC-VI/05	Workshop Practice - II	Weaving Practice – II	4	Practical	100 (50+50)
<ul style="list-style-type: none"> <li>• Preparatory processes before weaving such as bobbin and pirn winding by Charkha and other improved appliances.</li> <li>• Preparation of warp, ball warp, drawing-in, denting, gaiting-up of warp.</li> <li>• Weaving samples using twill weaves and their derivatives, honeycomb, huck-a-back, mockleno, diamond and other fancy weaves and their combinations.</li> <li>• Extra weft figuring.</li> </ul>					
TC-VI/05	Workshop Practice - II	Textile Dyeing Workshop	2	Practical	50 (25+25)

- Dyeing of cotton yarn/fabric with Direct Dyes, Different classes of Reactive dyes, Sulphur Dyes, Vat Dyes, Solubilised Vat Dyes, Azoic Colour
- Dyeing of wool and silk with: Acid & Metal Complex Dyes, ii) Basic Dyes
- Dyeing of Acrylic with Basic Dyes
- Dyeing of Polyester with Disperse Dyes
- Dyeing of cotton and Silk with Natural Dyes
- Instrumental measurement of colour parameters, metamerism index etc of the dyed textile substrates.

<b>Subject Code</b>	<b>Subject</b>	<b>Broad area (s) to be covered</b>	<b>Credit</b>	<b>Mode of teaching</b>	<b>Marks (Internal + External)</b>
TC-VI/06	Product Design - II	Creative and unconventional Surface ornamentation techniques	6	Practical	150 (75+75)

**Introduction:**

Weaving, printing and dyeing are conventional methods of surface ornamentation. However, there are number of unconventional techniques by which surface ornamentation can be done. This course is designed to encourage students to explore various unconventional creative techniques and to apply these techniques to produce a product i.e. clothing/furnishing. Students will learn to design folios where they will record their research, problem solving and manufacturing process and evaluate their work through presentation.

**Aim:**

To produce collection of a product for home furnishings/apparel using unconventional surface ornamentation technique. **Objectives:**

- To understand and explore verity of surface ornamentation techniques including one used in hand-made paper making, patchwork, quilting, pleating, marbling, stitching, felting, burning, washing etc.
- Selection of a suitable technique for a given material and product development as per design brief.
- Make illustrations of design ideas
- To make collection of a product in different colour ways

**Semester VII**

Subject Code	Subject	Broad area (s) to be covered	Credit	Mode of teaching	Marks (Internal + External)	Course Objective/ Outcome
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TC-VII/01	Computer Aided Design	Textile CAD etc.	2	Practical	50 (25+25)	Skill development and employability
TC-VII/02	Finishing of Textile Materials	Mechanical and Chemical finishing, Packaging etc	2	Practical	50 (25+25)	Skill development
TC-VII/03	Materials & Processes - III	Introduction to Clothing	4	Practical	100 (50+50)	Skill Development
TC-VII/04	Textile Technology - III	Weaving Mechanism, Fabric Structure and Calculation - III	2	Theory	25 (5+20)	Domain knowledge enrichment and employability & entrepreneurship
		Printing of Textile Substrates	2		25 (5+20)	
			<b>4</b>		<b>50 (10+40)</b>	
TC-VII/05	Workshop Practice - III	Weaving Practice - III	3	Practical	75 (37.5+37.5)	Skill development
		Workshop on textile printing	3		75 (37.5+37.5)	
			<b>6</b>		<b>150 (75+75)</b>	
TC-VII/06	Product Design - III	Print Design	6	Practical	150 (75+75)	Employability and entrepreneurship
<b>Total Credit 24</b>						

Subject Code	Subject	Broad area (s) to be covered	Credit	Mode of teaching	Marks (Internal + External)
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TC-VII/01	Computer Aided Design	Textile CAD etc.	2	Practical	50 (25+25)
<ul style="list-style-type: none"> <li>• Classification of textile designs</li> <li>• Various software for creation of textile designs</li> <li>• Design creation and editing using Photo Shop (both raster and vector based images)</li> <li>• Design creation and editing using Corel Draw</li> <li>• Advantages of using Textile CAD/CAM systems</li> <li>• Some common commercially available Textile CAD/CAM software systems</li> <li>• Designing using Dobby Module of textile software</li> <li>• Creation of fundamental and combined weaves and their derivatives along with weaving plan (drafting, lifting, denting etc.)</li> <li>• Stripe and check designing</li> <li>• Extra weft and extra weft figuring</li> <li>• Elements and principle of operation of Jacquard shedding device</li> <li>• Various steps of manual figuring for Jacquard</li> <li>• Tracing and developing Jacquard designing</li> <li>• Fabric simulation and simulation colour ways</li> <li>• Designing for screen printing using Textile Software</li> <li>• Artwork development and colour reduction</li> <li>• Repeat creation</li> <li>• Colour separation</li> <li>• Application of 3D Texture Mapping</li> </ul>					

Subject Code	Subject	Broad area (s) to be covered	Credit	Mode of teaching	Marks (Internal + External)
TC-VII/02	Finishing of Textile Materials	Mechanical and Chemical finishing, Packaging etc	2	Practical	50 (25+25)
<ul style="list-style-type: none"> <li>➤ Introduction to general textile finishing and packaging, Classification of textile finishing ➤ Different softening and stiffening agents and other temporary finishes.</li> <li>➤ Mercerization of cotton yarn and fabric</li> <li>➤ Woolenisation of jute</li> <li>➤ Scroop finish on silk fabric</li> <li>➤ Common chemical finishes for cellulosic textiles such as anti-crease, water proof and Water repellent, Flame retardant etc.</li> <li>➤ Some specialty finishes and recent developments in textile finishing.</li> <li>➤ Folding and packaging of textile/garments etc.</li> </ul>					

<b>Subject Code</b>	<b>Subject</b>	<b>Broad area (s) to be covered</b>	<b>Credit</b>	<b>Mode of teaching</b>	<b>Marks (Internal + External)</b>
TC-VII/03	Materials & Processes - III	Introduction to Clothing	4	Practical	100 (50+50)

- ❖ Need and selection of clothing, Origin of clothing.
- ❖ Brief ideas on Clothing comfort & objective assessment of fabric handle characteristics ❖ Pattern making
  - Important terminologies
  - Types:
    - Baby frock, Kameez, Salwar, Punjabi, Pajama, Sleeve, Skirt, Basic block (female), Shirt etc.
    - Different kinds of Pockets, Collar, Neckline, etc.
  - Techniques
  - Variations, Drafting & Draping, Contouring
- ❖ Spreading, Marker planning, Marker efficiency, Lay planning
- ❖ Dart and Dart manipulation
- ❖ Cutting, Cutting machines, Different types of cutting
- ❖ Lining and interlining and other support materials
- ❖ Various types of dummies and mannequins
- ❖ Types of sewing machine and its important parts; sewing faults etc.
- ❖ Organizational structure of an apparel industry.
- ❖ Raw materials used in readymade garment (RMG) industry, Types of samples & samples approval, Quality management Systems: ISO, TQM, 6-Sigma, kaizen etc., Grading systems (4-point and 10 point) ❖ Fabric and Accessories inspection in RMG industry.
- ❖ Restricted substances in apparel & global regulatory requirements,
- ❖ Care labeling, productivity and work study and assessment of SAM value
- ❖ Different types of clothing
- ❖ Different styles of garment construction and machineries used
- ❖ Basic Garments Analysis
- ❖ Different types of Seam & Stitches
- ❖ Brief ideas on: Gather, Frill, Smocking, Pleat, Dart, Tucks, etc.
- ❖ Introduction to Merchandising: Merchandiser & Merchandising, Difference between marketing and merchandising, Fashion Cycle ❖ Quality Checking and packaging. Home textiles – Fibres and Fabrics used; eco-friendly aspects, labeling issues.

Subject Code	Subject	Broad area (s) to be covered	Credit	Mode of teaching	Marks (Internal + External)
TC-VII/04	Textile Technology - III	Weaving Mechanism, Fabric Structure and Calculation - III (Group – A)	2	Theory	25 (5+20)
<ul style="list-style-type: none"> <li>• Jacquard shedding devices ———— classification.</li> <li>• Construction and principle of operation of single lift and double lift jacquards.</li> <li>• Study of different parts of jacquard and accessories.</li> <li>• Power looms ———— overview, basic concept, detailed classifications.</li> <li>• Basic operating principles of different power looms.</li> <li>• Fabric defects and their remedies.</li> <li>• Concept of extra weft figuring, double cloth, Bedford cord, pique.</li> <li>• Concept of Jacquard figuring.</li> <li>• Warp, weft and cloth calculations.</li> </ul>					
TC-VII/04	Textile Technology - III	Printing of Textile Substrates (Group B)	2	Theory	25 (5+20)
<ul style="list-style-type: none"> <li>➤ Styles and methods of printing, Ingredients used in printing paste and their function</li> <li>➤ Thickener: Classification, source, properties and selection of thickener</li> <li>➤ Printing of cotton and other cellulosic fabrics/blends with important dyestuffs and pigment colour.</li> <li>➤ Printing of silk fabric with different classes of dyes such as acid, solubilised vat etc.</li> <li>➤ Printing of silk and cotton fabric with natural colour</li> <li>➤ Discharge and resist style of printing</li> <li>➤ Printing of polyester fabric</li> <li>➤ Printing machineries and faults in printing and their remedies.</li> <li>➤ Hand screen development by photochemical methods</li> <li>➤ Recent developments in printing of different textile fabrics containing natural fibres</li> </ul>					



<b>Subject Code</b>	<b>Subject</b>	<b>Broad area (s) to be covered</b>	<b>Credit</b>	<b>Mode of teaching</b>	<b>Marks (Internal + External)</b>
TC-VII/05	Workshop Practice - III	Weaving Practice – III	3	Practical	75 (37.5+37.5)
<ul style="list-style-type: none"> <li>• Weaving samples using twills, their derivatives, and other fancy weaves.</li> <li>• Textile designing for jacquard figuring.</li> <li>• Preparation of harness building and tie-up for jacquards.</li> <li>• Weaving cloth samples by jacquard/dobby.</li> </ul>					
TC-VII/05	Workshop Practice - III	Textile Printing Workshop	3	Practical	75 (37.5+37.5)

- Printing of cotton fabrics with important dyestuffs and pigment colour.
- Printing of silk fabric with different classes of dyes such as acid, solubilised vat etc.
- Printing of silk and cotton fabric with natural colour
- Discharge and resist style of printing
- Printing of jute fabric with pigment colour
- Preparation of hand screen by photochemical methods

<b>Subject Code</b>	<b>Subject</b>	<b>Broad area (s) to be covered</b>	<b>Credit</b>	<b>Mode of teaching</b>	<b>Marks (Internal + External)</b>
TC-VII/06	Product Design - III	Print Design	6	Practical	150 (75+75)

**Course objective:**

To innovate a product design collection through various theme or concept and by applying different printing and painting techniques along with a proper documentation and costing.

- To identify the product according to the client requirement
- To prepare a theme and mood board
- To prepare different concept from the mood board
- Selection of final concept and design layout
- Identification of product development ideology and methodologies
- Sample and final product development layout along with photography ➤ Cost analysis and final documentation

**Semester VIII**

<b>Subject Code</b>	<b>Subject</b>	<b>Credit</b>	<b>Mode of teaching</b>	<b>Marks (Internal + External)</b>	<b>Course Objective/ Outcome</b>
TC-VIII/01	Entrepreneurship, Business Management & Marketing	2	Practical	50 (25+25)	Entrepreneurship
TC-VIII/02	Craft Documentation	4	Practical	100 (50 +50)	Enrichment of domain knowledge and skill development
TC-VIII/03	Professional Exposure	2	Practical	50 (0+50)	Employability and entrepreneurship



TC-VIII/04	Elective Paper: Interdisciplinary area(s)	4	Practical	100 (50+50)	Skill Development
TC-VIII/05	Preparatory Project Work	2	Practical	50 (50+0)	Employability and entrepreneurship
TC-VIII/06	Major Project	10	Practical	250 (125+125)	Employability and entrepreneurship
<b>Tot il Credit = 24</b>					