



SNDT Women's University, Mumbai

**Undergraduate Degree / UG
Programme (Syllabus as Per NEP) -
Faculty of Science & Technology**

**Bachelor of Science
Home Science
(Fashion Apparel Design)**

B.Sc. In H.Sc. – FAD

As Per NEP – 2020

Semester – V & VI

**Syllabus
(W.E.F. Academic Year 2026-27)**

Terminologies

Vertical	Full-Form/Definition	Remarks	Related To Major And Minor Courses
Major (Core)	Subject Comprising Mandatory and Elective Courses, Major Specific IKS, Vocational Skill Courses, Internship/ Apprenticeship, Field Projects, Research Projects Connected to Major	Minimum 50% Of Total Credits Corresponding to Three/Four - Year UG Degree- Mandatory Courses	Related To The Major
Minor Course	Course From Same Or Different Faculty	Minimum 18-20 Credits to Be Completed in The First Three Years of UG Programme	Related To the Minor
OEC	Open Elective Courses/ Generic Courses	10-12 Credits to Be Offered in I And/Or II Year. Faculty-Wise Baskets of OEC To Be Prepared	OEC Is to Be Chosen Compulsorily from Faculty Other Than That of the Major
VSC	Vocational Skill Courses, Including Hands On Training Corresponding To The Major And/Or Minor Subject	8-10 Credits, To Be Offered in First Three Years, Wherever Applicable Vocational Courses Will Include Skills Based on Advanced Laboratory Practical's of Major	Related To the Major or Minor
SEC	Skill Enhancement Courses	06 Credits, To Be Offered in I And II Year, To Be Selected from The Basket of Skill Courses Approved by University	Related To the Major or Minor Any Relevant Skill
AEC	Ability Enhancement Courses	08 Credits, To Be Offered in I And II Year, English: 04 Credits to Be Earned in Sem - I,	NA

		Modern Indian Language Of 04 Credits to Be Offered in II Year	
VEC	Value Education Courses	Understanding India, Environmental Science/Education, Digital and Technological Solutions, Health & Wellness, Yoga Education, Sports, And Fitness	NA
IKS	Indian Knowledge System	Generic IKS Course: Basic Knowledge Of The IKS To Be Offered At First Year Level	Major-Specific IKS Courses: Advanced Information About the Major, Part of the Major Credit to Be Offered at Second- Or Third- Year Level
OJT	On-Job Training (Internship / Apprenticeship)	Corresponding To the Major Subject	Related To The Major
FP	Field Projects	Corresponding To the Major Subject	Related To the Major
CC	Co-Curricular Courses	Health And Wellness, Yoga Education Sports, And Fitness, Cultural Activities, NSS/NCC And Fine/ Applied/Visual/ Performing Arts	NA
CE	Community Engagement and Service		Related To Major
RP	Research Project	Corresponding To the Major Subject	Related To Major

Programme Template

Degree		B.Sc.
Programme		Fashion Apparel Design
Preamble		<p>In recognition of the dynamic interplay between creativity and innovation in the realm of fashion, we, the faculty and administration of S N D T Women's University, Mumbai hereby establish the Bachelor of Science program in Fashion Apparel Design.</p> <p>This program is designed to cultivate a cadre of visionary designers who possess not only a profound understanding of the rich tapestry of fashion history but also the technical skills and entrepreneurial acumen to shape the future of the industry.</p> <p>Rooted in the ethos of artistic expression and functional design, the B.Sc. in Fashion Apparel Design is a comprehensive academic endeavour that blends theoretical knowledge with practical application.</p> <p>Through a rigorous curriculum encompassing elements of design theory, garment construction, textile science, and trend analysis, students will embark on a transformative journey of discovery and innovation.</p> <p>Furthermore, our program is committed to fostering a collaborative and inclusive learning environment where students from diverse backgrounds can exchange ideas, challenge conventions, and push the boundaries of creativity.</p> <p>By embracing interdisciplinary perspectives and engaging in hands-on projects, our graduates will emerge as versatile professionals equipped to navigate the complexities of the global fashion landscape.</p> <p>With a steadfast dedication to excellence and a forward-thinking approach, the Bachelor of Science program in Fashion Apparel Design aims to empower the next generation of fashion leaders to make enduring contributions to the field, driving both artistic expression and sustainable innovation.</p> <p>Through this program, we aspire to nurture creative visionaries who will shape the future of fashion with ingenuity, integrity, and a profound appreciation for the transformative power of design.</p>
Programme Specific Outcomes (PSOs)		After completing this programme, Learners will be able to
	1	Proficiency in Design Concepts: Graduates should demonstrate a deep understanding of design principles, including color theory, textile manipulation, pattern making, and garment construction

		techniques.
	2	Technical Competence in Apparel Production: Students should be proficient in using various tools, equipment, and software relevant to fashion design and garment production, such as CAD software, sewing machines, and pattern drafting tools.
	3	Creativity and Innovation: Graduates should exhibit creativity and innovation in developing original fashion designs, incorporating new trends, materials, and techniques to create aesthetically pleasing and marketable apparel.
	4	Knowledge of Textiles and Materials: Students should have a comprehensive understanding of different textiles, fabrics, and materials used in apparel design, including their properties, characteristics, and suitability for various garment types.
	5	Understanding of Fashion Trends and Consumer Behavior: Graduates should be able to analyze fashion trends, consumer preferences, and market demands to develop fashion collections that meet the needs and desires of target consumers.
	6	Ethical and Sustainable Practices: Graduates should understand the ethical and sustainability issues related to fashion design and production, and be able to integrate principles of sustainability into their design processes and decisions.
	7	Professionalism and Entrepreneurial Skills: Students should develop a strong work ethic, professionalism, and entrepreneurial mindset, preparing them for careers in the fashion industry as designers, entrepreneurs, stylists, or fashion consultants.
Eligibility Criteria for Programme		<p>Eligibility Criteria for Admitting Students in First Year in B.Sc Fashion Apparel Design Program</p> <p>1. Eligibility Criteria for B.Sc- I Year:</p> <p>Passed 12th grade in any stream.</p> <p>Completed a full-time diploma of at least two years after 10th grade from SNTD or any recognized university/board.</p> <p>For NRI & Foreign students, an equivalence certificate from the Association of Indian Universities (AIU), New Delhi.</p> <p>2. Criteria for Selecting Students for the 1st Year (Entry-Level):</p> <p>Colleges will conduct aptitude tests covering general knowledge, language skills, and creativity through studio tests.</p> <p>Students will be considered for provisional admission based on their test performance.</p> <p>Provisionally admitted students must pass the 12th-grade exam or its equivalent with at least 45%.</p>

	<p>Colleges with fewer applications may fill seats subject to availability and will still conduct aptitude tests.</p> <p>Reservation policies of the Government of Maharashtra and SNDT University Mumbai will be followed.</p> <p>If there are fewer applicants, seats may be filled based on availability, and interviews may be conducted.</p> <p>CET (Common Entrance Test) is not compulsory. Colleges may conduct their own tests.</p> <p>If a college does not conduct CET, preference will be given to academic records (minimum 45% required).</p>
Intake	120

Structure with Course Titles**B.Sc. In Home Science – Fashion Apparel Design****Semester – V**

Sr. No.	Course	Type of Course	Credits	Marks	Int Marks	Ext Marks
	Semester – V					
50130911	Dyeing and Printing (Th+Pr) (2+2)	Major (Core)	4	100	50	50
50130922	Fashion Illustration III (Pr)	Major (Core)	4	100	50	50
51030911	Indian Traditional Costumes and Accessories (Th)	IKS (Major Specific)	2	50	0	50
50230921	Garment Construction (Pr)	Major (Elective)	4	100	50	50
50330911	Tools and Machines for Apparel Construction (Th)	Minor Stream	4	100	50	50
50630901	Folk Art and Its Application in Home Textile	VSC-4	2	50	50	0
51330901	Field Project (Pr)	FP	2	50	50	0
			22	550	300	250

Semester – VI

Sr. No.	Course	Type of Course	Credits	Marks	Int Marks	Ext Marks
	Semester - VI					
		Major (Core)	4	100	50	50
		Major (Core)	4	100	50	50
		Major (Elective) (Any One)	4	100	50	50
		Minor Stream	2	50	0	50
		Minor Stream	4	100	50	50
		OJT	4	100	50	50
			22	550	250	300

Exit with Degree (3-year)

Course Syllabus

Semester – V

.5.1 Major (Core)

Course Titles	Dyeing and Printing (Th+Pr)
Course Credits	4 Credit's (2 Th + 2 Pr)
Course Outcomes	1. Explore preparatory and post-processing techniques used in textile dyeing and printing.
	2. Apply knowledge of dyes and dyeing methods to understand suitable dyeing processes for different textile fibers.
	3. Analyze various printing techniques and their applications in textile design.
	4. Evaluate different dyeing and printing methods based on quality, durability, and design output.
	5. Create textile samples using tie and dye and batik techniques with proper design and finishing.
Module 1 (Credit 1) – Preparatory and Post-Processes for Dyeing and Printing	
Learning Outcomes	After Learning Module Learners will be able to
	1. Understand the importance of preparatory processes in textile dyeing.
	2. Identify different pre-treatment processes used for cotton fabrics.
	3. Explain post-processing techniques for dyed and printed fabrics.
	4. Analyze the role of these processes in improving fabric quality.
Content Outline	<ul style="list-style-type: none">• Introduction to Preparatory Processes<ul style="list-style-type: none">○ Singeing○ De-sizing○ Scouring○ Bleaching○ Mercerization• Post-Processes:<ul style="list-style-type: none">○ Soaping○ Steaming○ Ageing○ Curing
Module 2 (Credit 1)- Dyes and Methods of Dyeing	
Learning	1. Understand the classification of dyes and their properties.

Outcomes	2. Identify different dyes used for various textile fibers.
	3. Explain dyeing processes and methods used in the textile industry.
	4. Understand basic dyeing machinery and techniques.
Content Outline	<ul style="list-style-type: none"> • Classification of Dyes <ul style="list-style-type: none"> ○ Types of Dyes (Brief): <ul style="list-style-type: none"> ✓ Basic Dyes ✓ Acid Dyes ✓ Direct Dyes ✓ Disperse Dyes ✓ Reactive Dyes ✓ Vat Dyes ○ Dyeing Methods: <ul style="list-style-type: none"> ✓ Cross Dyeing ✓ Solution Dyeing ✓ Union Dyeing ○ Stages of Dyeing: <ul style="list-style-type: none"> ✓ Stock Dyeing ✓ Top Dyeing ✓ Yarn Dyeing ✓ Piece Dyeing (Winch, Jigger, Padding Mangle)
Module 3 (Credit 1)	
Learning Outcomes	After Learning Module Learners will be able to
	1. Understand different styles and methods of textile printing.
	2. Identify traditional and modern printing techniques.
	3. Analyze the application of printing methods in textile design.
	4. Understand the historical background of resist dyeing techniques
Content Outline	<ul style="list-style-type: none"> • Block Printing <ul style="list-style-type: none"> ○ Stencil Printing ○ Screen Printing ○ Discharge Printing ○ Resist Printing ○ History of Tie and Dye ○ History of Batik

Module 4 (Credit 1)- Tie and Dye and Batik Techniques	
Learning Outcomes	After Learning Module Learners will be able to
	1. Apply different tie and dye techniques to create fabric designs.
	2. Understand and practice batik methods.
	3. Develop creative textile samples using resist dyeing techniques.
	4. Demonstrate skills in surface design and fabric decoration.
Content Outline	<ul style="list-style-type: none"> • Tie and Dye Techniques <ul style="list-style-type: none"> ○ Marbling ○ Folding ○ Knotting ○ Stitching ○ Binding ○ Laheriya ○ Ruching ○ Chevron ○ Batik Effect ○ Pleating with Pegs ○ Twisting and Coiling • Batik Techniques <ul style="list-style-type: none"> ○ Crack Effect ○ Scratch Technique ○ Splash Technique ○ Batik Painting

Assignments:

Module 1- Preparatory and Post-Processes

- Assignment 1:
 - Prepare a flow chart showing all preparatory processes (Singeing to Mercerization) for cotton fabric.
- Assignment 2:
 - Write a short note with diagram explaining any two post-processing techniques (Soaping, Steaming, Ageing, Curing).

Module 2 – Dyes and Methods of Dyeing

- Assignment 1:
 - Prepare a chart of different dyes (Basic, Acid, Direct, Reactive, Vat, Disperse) with their properties and uses.
- Assignment 2:
 - Explain different dyeing methods (Stock, Yarn, Piece dyeing) with suitable diagrams.

Module 3 – Printing Techniques

- Assignment 1:
 - Prepare an illustration sheet showing any three printing methods (Block, Screen, Stencil, etc.).
- Assignment 2 (Presentation):
 - Prepare and present a PPT on any one topic (Printing methods / Types of dyes / Dyeing process / History of Tie & Dye or Batik).

Module 4 – Tie and Dye and Batik

- Assignment 1:
 - Prepare minimum 5 tie and dye samples using different techniques (Knotting, Folding, Laheria, etc.).
- Assignment 2 (Final Portfolio):
 - Create a complete Dyeing & Printing Sample Portfolio.

References

1. Choudhury, A. K. R. (2011). Textile preparation and dyeing. Science Publishers.
2. Gohl, E. P. G., & Vilensky, L. D. (2003). Textile science: An explanation of fiber properties (2nd ed.). CBS Publishers.
3. Kadolph, S. J. (2010). Textiles (11th ed.). Pearson.
4. Shenai, V. A. (2008). Technology of textile processing (Vol. 1–5). Sevak Publications.
5. Trotman, E. R. (2006). Dyeing and chemical technology of textile fibres (6th ed.). Charles Griffin & Company.

Semester – V

.5.2 Major (Core)

Course Titles	Fashion Illustration III (Pr)
Course Credits	4 Credit's
Course Outcomes	1. Explore advanced fashion illustration techniques including stylized fashion figures, garment sketches, and fabric rendering to represent different textures and drapes.
	2. Apply theme-based design concepts to create innovative garment illustrations using appropriate colour schemes, inspiration sources, and fashion elements.
	3. Analyze different fashion silhouettes and design elements to develop creative garment designs through the design development process.
	4. Evaluate wedding and occasion wear designs based on silhouette, fabric selection, styling elements, and overall aesthetic appeal.
	5. Create a professional fashion design portfolio showcasing theme-based collections, advanced illustrations, and complete outfit presentations.
Module 1 (Credit 1) – Advanced Fashion Illustration and Fabric Rendering	
Learning Outcomes	After Learning Module Learners will be able to
	1. Develop advanced fashion illustration skills with stylized figures.
	2. Apply fabric rendering techniques to represent different textures and drapes.
	3. Illustrate garments with folds, flow, and movement.
	4. Use colour rendering techniques to enhance fashion illustrations.
Content Outline	<ul style="list-style-type: none"> • Advanced Fashion Figure Drawing and Stylized Pose • Garment Illustration on Fashion Figures • Fabric Rendering Technique • Rendering of Different Fabrics • Printed • Embroidered fabric • Wooden • Smocking • Illustration of Fabric Folds and Drapery
Module 2 (Credit 1)- Theme Based Garment Design	
Learning	After Learning Module Learners will be able to

Outcomes	1. Explore creative ideas through theme-based fashion design.
	2. Develop garment designs inspired by cultural, seasonal, or conceptual themes.
	3. Apply colour harmony and design elements in fashion illustration.
	4. Create multiple design variations based on a single theme.
Content Outline	<ul style="list-style-type: none"> • Introduction to Theme-Based Fashion Design. • Inspiration Sources (Nature, Culture, Festivals, Architecture) • Mood Board and Inspiration Board Development • Theme-Based Garment Illustration • Colour Story and Fabric Selection • Creation of a Mini Design Collection based on Theme
Module 3 (Credit 1)- Silhouette Based Garment Design and Design Development	
Learning Outcomes	After Learning Module Learners will be able to
	1. Understand the importance of silhouettes in fashion design.
	2. Develop innovative garment designs through design development techniques.
	3. Apply different silhouettes in fashion illustration.
	4. Transform inspiration into final garment designs.
Content Outline	<ul style="list-style-type: none"> • Introduction to Fashion Silhouettes <ul style="list-style-type: none"> ○ Types of Silhouettes <ul style="list-style-type: none"> ✓ A-Line ✓ Fit & Flare ✓ Empire Line ✓ Mermaid ✓ Straight / Column ✓ Oversized Silhouette ✓ Design Development Process ✓ Garment Detailing (Pleats, Layers, Ruffles, Gathers) ✓ Final Garment Illustration based on Developed Designs
Module 4 (Credit 1)- Wedding Outfit Design and Portfolio Making	
Learning Outcomes	After Learning Module Learners will be able to
	1. Design wedding and occasion wear garments with creative concepts.
	2. Illustrate garments with styling elements and accessories.

	3. Develop a professional fashion portfolio showcasing design work.
	4. Present fashion collections in an organized and creative format.
	After Learning Module Learners will be able to
Content Outline	<ul style="list-style-type: none"> • Wedding Outfit Design Illustration • Bridal Wear (Lehenga, Saree, Gown) • Groom Wear (Sherwani, Suit, Indo-Western) • Styling with Accessories, Jewellery, Footwear, Headgear, Bags. • Collection of Presentation Sheets • Portfolio Layout and Design • Final Portfolio Development (Theme-Based Collection)

Assignments:

Module 2 – Theme Based Garment Design

- Assignment
 - Select one theme (Nature, Festival, Culture, Architecture etc.) and prepare a Mood Board / Inspiration Board.
- Assignment
 - Design a mini collection of 4 theme-based garments with proper colouring and fabric indication.

Module 3 – Silhouette Based Garment Design and Design Development

- Assignment
 - Create an illustration sheet showing different fashion silhouettes such as A-Line, Fit & Flare, Empire Line, Mermaid, and Oversized.

Module 4 – Wedding Outfit Design and Portfolio Making

- Assignment
 - Prepare a fashion portfolio including fashion figures, fabric rendering sheets, theme-based designs, silhouette designs, and wedding outfit illustrations.

References

1. Baugh, G. (2018). The fashion designer's textile directory. Thames & Hudson.
2. Ireland, P. J. (2008). Fashion design illustration. Batsford.
3. Joseph-Armstrong, H. (2019). Patternmaking for fashion design (6th ed.). Pearson.
4. Kiper, A. (2011). Fashion illustration: Inspiration and technique. David & Charles.
5. Kiper, A. (2012). Fashion portfolio: Design and presentation. Fairchild Books.
6. McKelvey, K., & Munslow, J. (2012). Fashion illustration for designers (2nd ed.). Wiley-Blackwell.

7. Riegelman, N. (2006). *9 heads: A guide to drawing fashion*. Prentice Hall.
8. Seivewright, S. (2013). *Basics fashion design 01: Research and design* (2nd ed.). Bloomsbury Publishing.
9. Bryant, M. (2011). *Fashion drawing: Illustration techniques for fashion designers*. Laurence King Publishing.
10. Drudi, E., & Paci, T. (2011). *Figure drawing for fashion design*. Pepin Press.
11. Waddell, G. (2018). *How fashion works: Couture, ready-to-wear and mass production*. Wiley-Blackwell.
12. Tate, S. L. (2017). *Inside fashion design*. Pearson.

Semester – V

.5.3 Indian Knowledge System (IKS) (Major Specific)

Course Titles	Traditional Costumes and Accessories of India (Th)
Course Credits	4 Credit's
Course Outcomes	1. Explore the traditional costumes of different regions of India along with their cultural significance.
	2. Apply knowledge of regional costumes to identify appropriate garments, accessories, and footwear.
	3. Analyze variations in costumes based on region, climate, culture, and occasion.
	4. Evaluate the role of accessories and footwear in enhancing traditional costumes.
	5. Create design concepts inspired by traditional Indian costumes, accessories, and footwear.
Module 1 (Credit 1) – Traditional Costumes of North India with Accessories and Footwear	
Learning Outcomes	After Learning Module Learners will be able to
	1. Identify traditional costumes of North Indian states.
	2. Understand the cultural and climatic influence on clothing.
	3. Differentiate costumes for men, women, and children.
	4. Recognize traditional wedding and folk-dance costumes.
Content Outline	<ul style="list-style-type: none">• Punjab• Haryana• Himachal Pradesh• Uttar Pradesh• Kashmir• Wedding Costumes• Folk Dance Costumes
Module 2 (Credit 1)- Traditional Costumes of West India with Accessories and Footwear	
Learning Outcomes	1. Understand traditional attire of Western India.
	2. Identify regional textile and embroidery styles.
	3. Analyze costume variations in different communities.
	4. Recognize cultural importance of traditional wear.
	5. Understand traditional attire of Western India.
Content Outline	<ul style="list-style-type: none">• Rajasthan

	<ul style="list-style-type: none"> • Gujarat (Kutch & Saurashtra) • Maharashtra • Goa • Wedding & Folk Costumes
Module 3 (Credit 1)- Traditional Costumes of South India with Accessories and Footwear	
Learning Outcomes	After Learning Module Learners will be able to
	1. Identify traditional costumes of South Indian states.
	2. Understand fabric usage and draping styles.
	3. Analyze traditional Jewellery and accessories.
	4. Study the role of costume in festivals and rituals.
Content Outline	<ul style="list-style-type: none"> • Kerala • Tamil Nadu • Karnataka • Andhra Pradesh • Wedding & Festival Costumes
Module 4 (Credit 1)- Traditional Costumes of East & North-East India with Accessories and Footwear	
Learning Outcomes	After Learning Module Learners will be able to
	1. Identify costumes of East and North-East India.
	2. Understand traditional accessories and their design elements.
	3. Analyze different types of footwear used in traditional costumes.
	4. Evaluate the importance of accessories and footwear in completing attire.
Content Outline	<ul style="list-style-type: none"> • Content Outline • Bihar • West Bengal • Odisha • Assam • Manipur • Meghalaya • Mizoram • Tripura • Nagaland • Arunachal Pradesh

Assignments:

Module 1 – North India

- Assignment 1:
 - Prepare a chart/illustration sheet showing traditional costumes of any two North Indian states.
- Assignment 2:
 - Explain wedding or folk-dance costume of any one state with illustrations.

Module 2 – West India

- Assignment 1:
 - Prepare a comparative study of costumes of Rajasthan and Gujarat.

Module 3 – South India

- Assignment 1:
 - Prepare a design sheet of traditional saree draping styles or garments from any one South Indian state.
- Assignment 2:
 - Explain accessories and jewellery used in South Indian traditional costumes.

Module 4 – East & North-East India (Accessories & Footwear)

- Assignment 1:
 - Prepare a chart of traditional accessories (jewellery, headgear, bags) from any two states.
- Assignment 2 (Project):
 - Design a modern outfit inspired by any one traditional costume, including accessories and footwear.

References

1. Bhatnagar, P. (2004). Traditional Indian costumes and textiles. Abhinav Publications.
2. Gillow, J., & Barnard, N. (2008). Indian textiles. Thames & Hudson.
3. Lynton, L. (2015). The sari: Styles, patterns, history, techniques. Thames & Hudson.
4. Tortora, P., & Eubank, K. (2010). Survey of historic costume (5th ed.). Fairchild Books.
5. Welters, L., & Lillethun, A. (2018). Fashion history: A global view (2nd ed.). Bloomsbury.

Semester – V

.5.4 A. Major (Elective)

Course Titles	Garment Construction (Pr)
Course Credits	2 Credit's
Course Outcomes	1. Explore: Basic sewing techniques, tools, and garment construction methods used in stitching simple garments.
	2. Apply: Stitching techniques to construct garments like kurti, co-ord sets, and use different necklines, collars, gathers, and ruffles
	3. Analyze: Garment construction techniques such as paneling and understand the structure and fit of garments like gowns.
	4. Evaluate: Garment fit, finishing, and construction quality in advanced garments including gowns and corsets.
	5. Create: Advanced garments such as designer gowns and corsets with proper structure, finishing, and aesthetic appeal.
Module 1 (Credit 1) – Basic to Intermediate Garment Construction	
Learning Outcomes	After Learning Module Learners will be able to
	1. Understand basic sewing techniques and garment construction methods.
	2. Develop skills in stitching simple garments with proper finishing.
	3. Apply different neckline and collar styles in garment design.
	4. Use decorative techniques like gathers and ruffles in garments
Content Outline	<ul style="list-style-type: none"> • Introduction to Sewing Tools and Sewing Machine • Basic Machine Stitching Practice • Seam Types and Seam Finishing • Basic Kurti Construction • Types of Necklines, Round Neck, V-Neck, Boat Neck, Square Neck, Types of Collars, Peter Pan Collar, Mandarin Collar, Shirt Collar, Decorative Techniques, Gathers, Ruffles • Cord Set Construction (Top & Bottom)
Module 2 (Credit 1)- Advanced Garment Construction	
Learning Outcomes	After Learning Module Learners will be able to
	1. Construct advanced garments with proper fitting and structure.
	2. Apply paneling and shaping techniques in garment construction.
	3. Develop skills in stitching designer and structured garments.
	4. Create garments with professional finishing suitable for fashion collections

Content Outline	<ul style="list-style-type: none"> • Ethnic Wear Garment • Gown Construction (Basic to Designer Gown) • Advanced Garment Finishing Techniques • Corset Construction (Structured Bodice) • Designer Garment Development Project
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Assignments:

Module 1 – Basic to Intermediate Garment Construction

- Assignment 1:
 - Prepare samples of different necklines and collars (any 4 each) with proper stitching and finishing.
- Assignment 2:
 - Construct a kurti or co-ord set applying techniques like gathers or ruffles with neat finishing.

Module 2 – Advanced Garment Construction

- Assignment 2 (Final Project):
 - Design and stitch a designer garment (gown or corset) with proper structure, detailing, and presentation. And make portfolio.

References

1. Aldrich, W. (2015). Metric pattern cutting for women's wear (6th ed.). Wiley-Blackwell.
2. Armstrong, H. J. (2019). Patternmaking for fashion design (6th ed.). Pearson.
3. Carr, H., & Pomeroy, J. (2014). Fashion design and product development. Wiley-Blackwell.
4. Fischer, A. (2012). Basics fashion design: Construction. Fairchild Books.
5. Joseph-Armstrong, H. (2014). Draping for apparel design (3rd ed.). Fairchild Books.
6. Shaeffer, C. B. (2011). Couture sewing techniques. Taunton Press.

Semester – V

.5.5 Minor Stream

Course Titles	Tools and Machines For Apparel Construction (Th)
Course Credits	4 Credit's
Course Outcomes	1. Understand the complete process of garment mass production, including all stages from marker making to final quality checking.
	2. Identify and select appropriate cutting machines based on fabric type, production volume, and application requirements.
	3. Analyze different types of sewing machines, stitch classifications, and feed mechanisms for suitable garment production.
	4. Apply knowledge of finishing processes, pressing techniques, stain removal, and quality control in garment manufacturing.
	5. Demonstrate practical understanding of industrial practices through factory visits, report writing, and presentation skills.
Module 1 (Credit 1) – Introduction to Garment Mass Production	
Learning Outcomes	After Learning Module Learners will be able to
	1. Understand the complete workflow of garment mass production
	2. Explain each stage of the production process
	3. Identify the sequence of operations in garment manufacturing
	4. Understand basic industrial terminology used in production
Content Outline	<ul style="list-style-type: none"> • Overview of garment mass production system • Stages of production: <ul style="list-style-type: none"> • Marker Making • Spreading • Cutting • Ticketing • Bundling • Sewing • Finishing • Quality Checking
Module 2 (Credit 1)- Cutting Machines and Their Applications	
Learning Outcomes	1. Identify different types of cutting machines
	2. Select appropriate machines based on fabric and production needs

	3. Compare manual and automated cutting systems
	4. Understand safety and efficiency in cutting operations
Content Outline	<ul style="list-style-type: none"> • Classification of cutting machines • Types and applications: <ul style="list-style-type: none"> ○ Straight Knife Cutting Machines ○ Band Knife Cutting Machines ○ Round Knife Cutting Machines ○ Servo Assisted Cutting Machines ○ Computer Controlled Cutting Machines ○ Hot Notcher Cutting Machines
Module 3 (Credit 1)- Sewing Machines, Stitch Types, and Feed Mechanisms	
Learning Outcomes	After Learning Module Learners will be able to
	1. Identify different sewing machines and their uses
	2. Understand stitch classifications and their applications
	3. Explain various feed mechanisms and their working principles
	4. Select suitable machines and stitches for different garment types
Content Outline	<ul style="list-style-type: none"> • Classification of Sewing Machines: <ul style="list-style-type: none"> ○ Horizontal Bed Machines ○ Vertical Bed Machines • Sewing Machine Attachments and Their Applications • Stitch Type Classification: <ul style="list-style-type: none"> ○ 100 Class ○ 200 Class ○ 300 Class ○ 400 Class ○ 500 Class ○ 600 Class • Feed Mechanisms: <ul style="list-style-type: none"> ○ Drop Feed ○ Differential Feed ○ Unison Feed ○ Compound Feed ○ Roller Feed

Module 4 (Credit 1)- Finishing, Quality Control, and Packaging	
Learning Outcomes	After Learning Module Learners will be able to
	1. Understand the importance of finishing in garment production
	2. Apply different pressing methods
	3. Perform basic stain removal techniques
	4. Identify quality inspection standards
	5. Understand proper packaging methods
	6. Analyze industrial practices through visit and report preparation
Content Outline	<ul style="list-style-type: none"> • Classification of finishing equipment • Purpose of pressing • Categories of pressing • Pressing equipment and methods • Stain removal techniques • Quality checking methods • Packaging techniques • Industrial visit and report presentation

Assignments (4 Points Only)

- **Industrial Visit Report**
 - Visit a garment manufacturing unit and prepare a report covering production stages, machinery used, workflow, and quality control practices.
- **PPT Presentation**
 - Prepare a 10–15 slide presentation on any one topic: garment production process, cutting machines, sewing machines, stitch types, or finishing techniques.
- **Machinery Study Assignment**
 - Select a garment (shirt, jeans, t-shirt) and explain the machines used at each stage of its production.
- **Case Study / Observation Task**
 - Analyze a real or observed garment production setup and describe the sequence of operations, tools used, and key learnings.

References

1. Brackenbury, T. (1992). Garment manufacturing technology. Blackwell Science.
2. Cooklin, G. (1991). Introduction to clothing manufacture. Blackwell Science.
2. Cooklin, G. (1997). Garment technology for fashion designers. Blackwell Science.
- Aldrich, W. (2009). Sewing technology. Woodhead Publishing.

3. Carr, H., & Latham, B. (2008). *The technology of clothing manufacture* (4th ed.). Wiley-Blackwell.
4. Solinger, J. (1988). *Apparel manufacturing handbook*. Van Nostrand Reinhold.
- Sarkar, P. (2014). *Garment manufacturing processes*. Textile Learner

Semester – V

.5.6 Vocational Skill Courses (VSC-4)

Course Titles	Folk Art and Its Application in Home Textile
Course Credits	2 Credit's
Course Outcomes	1. Explore various Indian folk-art forms and understand their cultural significance, motifs, and traditional techniques.
	2. Apply basic folk art techniques to create designs using traditional motifs and colour schemes.
	3. Analyze different folk art styles based on design elements such as pattern, colour, and composition.
	4. Evaluate the suitability of folk-art designs for different home décor products based on aesthetics and functionality.
	5. Create home décor products by applying folk art techniques with proper design, colour combination, and finishing.
Module 1 (Credit 1) – Introduction to Folk Art and Traditional Styles	
Learning Outcomes	After Learning Module Learners will be able to
	1. Understand the concept and importance of folk art in Indian culture.
	2. Identify different types of Indian folk art and their regional characteristics.
	3. Analyze motifs, colours, and techniques used in folk art.
	4. Develop basic skills in creating traditional folk art designs.
Content Outline	<ul style="list-style-type: none">• Introduction to Folk Art• Importance and Cultural Significance Types of Indian Folk Art• Madhubani Art (Bihar)• Warli Art (Maharashtra)• Kalamkari (Andhra Pradesh)• Gond Art (Madhya Pradesh)• Pattachitra (Odisha)• Study of Motifs, Patterns, and Colour Schemes• Basic Drawing and Practice of Folk-Art Designs
Module 2 (Credit 1)- Application of Folk-Art In-Home Products	
Learning Outcomes	After Learning Module Learners will be able to
	1. Apply folk art techniques to home décor products.
	2. Develop creative home products using traditional art forms.
	3. Combine traditional art with modern design concepts

Content Outline	<ul style="list-style-type: none"> • Introduction to Home Furnishing • Application of Folk Art on Home Products <ul style="list-style-type: none"> ○ Cushion Covers ○ Bed Sheets ○ Table Mats / Table Runners ○ Wall Hangings ○ Curtains ○ Lampshades • Surface Design Development using Folk Art <ul style="list-style-type: none"> ○ Colour Application and Composition ○ Material Selection (Fabric, Paper, Wood, etc.) ○ Theme-Based Product Development ○ Final Product Creation and Presentation
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Module 1 – Introduction to Folk Art

- Assignment 1:
 - Create a design sheet of any one folk art (Warli / Madhubani / Gond etc.) showing basic motifs and patterns.
- Assignment 2:
 - Prepare a comparative chart of any two folk art forms based on origin, motifs, colours, and techniques.

Module 2 – Application on Home Products

- Assignment 2 (Final Project):
 - Create finished home product (like cushion cover, table runner, or wall hanging) using folk art technique with proper colour application and neat finishing.

References

1. Chattopadhyay, K. (2012). Indian folk art. National Book Trust.
2. Dallapiccola, A. L. (2015). Indian art in detail. Harvard University Press.
3. Gillow, J., & Barnard, N. (2008). Indian textiles. Thames & Hudson.
4. Kapur, J. (2011). Handmade in India: Crafts of India. Mapin Publishing.
5. Mitra, A. (2014). Folk arts of India. Rupa Publications.

Semester – V

.5.7 Field projects (FP)

Course Titles	Field Project
Course Credits	2 Credit's
Course Outcomes	1. Understand basic textile design concepts and apply them in product making.
	2. Develop and create a simple handmade textile product using basic techniques and stitching skills.
	3. Transform creative ideas into a finished, usable product.
	4. Apply basic branding, packaging, and pricing concepts to their product.
	5. practical experience in presenting and selling their handmade product in a real or simulated market setup
Module 1 (Credit 1) – Textile Product Making & Selling (Practical Based)	
Learning Outcomes	After Learning Module Learners will be able to
	1. Students will be able to design and create a simple textile product using basic skills.
Content Outline	<ul style="list-style-type: none"> • Basic idea of textile product design • Design making (sketching product idea) • Sample making using textile techniques • Basic stitching practice • Final product making (any one item like bag, pouch, cushion cover, etc.)
Module 2 (Credit 1) - Branding & Selling Activity	
Learning Outcomes	After Learning Module Learners will be able to
	1. Students will understand basic branding, pricing, and gain real experience of selling their handmade product.
Content Outline	<ul style="list-style-type: none"> • Naming and branding of product • Basic packaging of product • Simple costing and pricing • Selling and presentation skills • Mini classroom market activity