

Course Code 22BFCA1	Allied-IA		T/P	C	H/W
	Fashion and Apparel Designing		T	3	3
<b>Objectives</b>	<ul style="list-style-type: none"> <li>➤ To understand the elements and principles of design and apply it with garment design.</li> <li>➤ To study the wardrobe planning and figure irregularities and design garment according to the specific need.</li> <li>➤ To understand the fashion concepts and scope of fashion industry.</li> <li>➤ To know the basic principles of designing.</li> <li>➤ To Design the suitable garments for unusual figure</li> </ul>				
<b>Unit – I</b>	Fashion terminology: Fashion, style, design, trend, fad, classic, collection, chic, mannequin, fashion show, trend, high fashion, haute couture, forecasting and fashion cycle.				
<b>Unit – II</b>	Design- definition and types – structural and decorative design, requirements of a good structural and decorative design. Elements of design line, shape, colour, size, and texture. Applications of structural and decorative designs				
<b>Unit – III</b>	Principles of design- balance –formal and informal, rhythm- through repetition, radiation and gradation, emphasis, harmony, and proportion. Application of principles of design in a dress				
<b>Unit – IV</b>	Colour- definition, colour theories- prang colour chart and Munsell colour system, Dimensions of colour- hue, value, and intensity. Standard colour harmonies- application in dress design. Psychology of Colours				
<b>Unit – V</b>	Silhouettes and figure types-pear figure, hourglass figure, rectangular figure, wedge figure, overall roundness figure. Choosing the best dress for the figure types. Factors influencing design application for different age group, occasions and seasons.				
<b>Reference and Textbooks:</b>					
Brown, B. (2001). Fashion Accessories:: The Complete 20th Century Sourcebook. <i>Reference Reviews</i> .					
Calderin, J., & Volpintesta, L. (2013). <i>The Fashion Design Reference &amp; Specification Book: Everything</i>					
Celhay, F., Magnier, L., & Schoormans, J. (2020). Hip and authentic. Defining neo-retro style in package design. <i>International Journal of Design, 14</i> (1), 35-49.					
<i>Fashion Designers Need to Know Every Day</i> . Rockport Pub.					
MacDonald, N. M. (2009). <i>Principles of flat pattern design 4th edition</i> . Bloomsbury Publishing USA.					
Michael, O. (2020). PTSD and female sexuality in the aftermath of childhood and adolescent sexual abuse in Una's Becoming Unbecoming. <i>Journal of Graphic Novels and Comics, 11</i> (4), 394-411.					
Samara, T. (2020). <i>Design Elements: Understanding the rules and knowing when to break them-A Visual Communication Manual</i> . Rockport publishers.					
<b>Outcomes</b>	<ul style="list-style-type: none"> <li>➤ Learn the elements and principles of design and its application in garment design.</li> <li>➤ Understand the type of trims and decorated accessories used in garment embellishment.</li> <li>➤ Gain knowledge on key designing principles.</li> <li>➤ Exploring the knowledge on figure types.</li> <li>➤ Students will be able to know about the national and international designers.</li> </ul>				

Course Code 22BFCAP1	Allied Practical- I A Fashion and Apparel Designing	T/P P	C 2	H/W 2
<b>Objectives</b>	<ul style="list-style-type: none"> <li>➤ Impart skills in drawing and coloring</li> <li>➤ Illustrate sketches for children, women, and man</li> <li>➤ Create sketches the different perspectives of the parts of the body and face</li> <li>➤ To study about the basics of drawing.</li> <li>➤ To gain knowledge about shading techniques.</li> </ul>			
<p>1. Illustrate the Following Children's Garments</p> <p style="padding-left: 20px;">Bib Baba suit Frocks</p> <p>2. Illustrate the Following Women's Garments</p> <p style="padding-left: 20px;">Skirts Ladies tops Salwar Kameez Maxi/ Gown</p> <p>3. Illustrate the Following Men's Garments</p> <p style="padding-left: 20px;">T-Shirts Shirts Pants Kurta Pyjama</p>				
<b>Outcomes</b>	<ul style="list-style-type: none"> <li>➤ Illustrate garment designs for children, woman and man.</li> <li>➤ Sketch the parts of the body in various perspectives</li> <li>➤ Sketch the face of male and female in different views</li> <li>➤ Gain knowledge on basic drawing principles.</li> <li>➤ Understand the shading techniques.</li> </ul>			

Course Code 22BFCA2		Allied – IB Basic Sewing Techniques	T/P T	C 3	H/W 3
<b>Objectives</b>	<ul style="list-style-type: none"> <li>➤ To study about sewing machine parts functions and its applications.</li> <li>➤ To impart knowledge of machines and tools used for sewing</li> <li>➤ To learn about the various garment details and the way they are attached to finish a garment</li> <li>➤ To learn different types of finishing in garment construction.</li> <li>➤ To teach the basics of the functions of the sewing and the essential tools.</li> </ul>				
<b>Unit – I</b>	Parts and functions of a single needle machine, essential tools – cutting tools, measuring tools, marking tools, embroidery tools, general tools, pressing tools, Body measurement – importance, Method of taking measurements for ladies and men.				
<b>Unit – II</b>	Seams: Definition, types of seams and seam finishes, Fullness: Definition, Types of fullness – Darts, Tucks, Pleats, flares, godets, gathers, shirrs & frills. Calculating material requirements				
<b>Unit – III</b>	Sleeves – definition, types, set-in-sleeves – plain sleeve, puff sleeve, bishop sleeve, bell, circular. Modified armhole – squared armhole. Cap sleeve and Magyar sleeve. Sleeve and bodice combined – raglan, kimono and dolman				
<b>Unit – IV</b>	Collars – definitions, types, peter pan, scalloped, puritan, sailor, square, rippled, full shirt collar. Yokes – types, simple yoke, yoke with fullness within the yoke, yoke supporting/ releasing fullness.				
<b>Unit – V</b>	Pockets - Definition, classification, selection of pocket and creating variety in pockets. Plackets - Definition, characteristics of a good placket, classification – continuous bound, bound & faced, fly opening, zipper, tailored and center front / shirt placket.				
<b>Reference and Textbooks:</b>					
Nayak, R., &Padhye, R. (Eds.). (2017). <i>Automation in garment manufacturing</i> . Woodhead Publishing.					
Vilumsone-Nemes, I. (2018). <i>Industrial cutting of textile materials</i> . Woodhead Publishing.					
Nayak, R., &Padhye, R. (Eds.). (2017). <i>Automation in garment manufacturing</i> . Woodhead Publishing.					
Richter, G., Raban, D. R., &Rafaeli, S. (2018, August). <i>Tailoring a Points Scoring Mechanism for Crowd Based Knowledge Pooling</i> . In Proceedings of the 51st Hawaii International Conference on System Sciences.					
Nayak, R., &Ratnapandian, S. (2018). <i>Care and maintenance of textile products including apparel andprotective clothing</i> . CRC Press.					
Paula, A. (2021). <i>Gendered Capitalism: Sewing Machines and Multinational Business in Spain and Mexico, 1850-1940</i> . Routledge.					
<b>Outcomes</b>	<b>The students gain knowledge in</b> <ul style="list-style-type: none"> <li>➤ Garment industry production process and its management process.</li> <li>➤ Familiarize the different types of machines and special attachments adopted in garment industry.</li> <li>➤ Basic understanding of garments, machines and their use in apparel and fashion industry</li> <li>➤ Students will be able to know about the special attachments and their functions.</li> <li>➤ Students will develop an understanding of how different constructional tools help to make a perfect garment.</li> </ul>				

Course Code 22BFCAP2	Allied Practical-IB			T/P	C	H/W
	Basic sewing Techniques Lab			P	2	2
<b>Objectives</b>	<ul style="list-style-type: none"> <li>➤ Impart sewing skills in creating garment components.</li> <li>➤ To stitch the basic samples of collar, pocket, sleeve etc.</li> <li>➤ Students will be able to learn seam and seam finishes that have to be given to different fabrics.</li> <li>➤ Develop skills of students to create basic garment parts and various design elements required for a garment.</li> <li>➤ To make student understand the basic skills related to hand stitches and seams.</li> </ul>					
<p>Preparation Samples for the Following</p> <ol style="list-style-type: none"> <li>1. Seams – Plain seam, top stitched seam, flat fell seam, piped seam, lapped seam</li> <li>2. Seam Finishes – double stitch, edge stitched.</li> <li>3. Hems – narrow, stitched and turned, hems for circular shape</li> <li>4. Darts – single and double</li> <li>5. Tucks – Pin tuck, cross tuck, group tucking</li> <li>6. Neckline Finishes – Bias facing, Bias binding and Shaped facing</li> <li>7. Plackets – continuous placket, bound placket and faced placket, zipper placket, tailored placket</li> <li>8. Fasteners – Press buttons, Hook and eye, Button and Button hole</li> <li>9. Pocket – Patch pocket, side seam pocket, bound and faced pocket</li> <li>10. Skirt – pleated skirt, gathered skirt, circular skirt</li> <li>11. Sleeve – Plain sleeve, Magyar Sleeve, Raglon Sleeve</li> <li>12. Collar - Flat collar(any type), Open collar</li> <li>13. Simple Yoke</li> </ol>						
<p><b>Reference and Textbooks:</b></p> <p>Nayak, R., &amp;Ratnapandian, S. (2018). <i>Care and maintenance of textile products including apparel and protective clothing</i>. CRC Press.</p> <p>Paula, A. (2021). <i>Gendered Capitalism: Sewing Machines and Multinational Business in Spain and Mexico, 1850-1940</i>. Routledge.</p> <p>Practical Clothing Construction – Part I, Mary Mathews, Cosmic Press, Chennai, 1986.</p> <p>Practical Clothing Construction – Part II, Mary Mathews, Cosmic Press, Chennai, 1986.</p> <p>Richter, G., Raban, D. R., &amp;Rafaeli, S. (2018, August). <i>Tailoring a Points Scoring Mechanism for Crowd Based Knowledge Pooling</i>. In Proceedings of the 51st Hawaii International Conference on System Sciences.</p> <p>Zarapker system of cutting –Zarapker. K. R., Navneet publications Ltd ,1994</p> <p>Sewing and Knitting – A Readers Digest, Step -by -Step Guide, Readers Digest Pvt Ltd, Australia, 1993.</p>						
<b>Outcomes</b>	<p>The students will be able to</p> <ul style="list-style-type: none"> <li>➤ Develop samples for seams, seam finishes and hems.</li> <li>➤ Create samples for fullness, neckline finishes, skirt, sleeve, collars and yoke.</li> <li>➤ Basic stitching and creative skill will be developed which will help them to construct their garments</li> <li>➤ Use different stitches and seams as per the requirement of the garment.</li> <li>➤ Convert fullness of garment with different techniques like dart, pleats etc.</li> </ul>					

Course Code 22BFCA3	Allied – II A			T/P	C	H/W
	Dyeing and printing			T	3	3
<b>Objectives</b>	<ul style="list-style-type: none"> <li>➤ To study the fabric preparatory process in textile processing industry.</li> <li>➤ To impart knowledge in the field of pre-processing, processing and post-processing of textile substrate.</li> <li>➤ To educate students about textile dyeing and printing</li> <li>➤ To make them understand various textile finishes.</li> <li>➤ To introduce different methods and materials of dyeing and printing.</li> </ul>					
<b>Unit I</b>	Water hardness – Definition and types - Quality required for wet processing industries - Softening process, Preparatory process sequence for woven and knitted fabrics.					
<b>Unit II</b>	Preparatory process: Need – Desizing: objectives, types and continuous enzyme desizing process – Scouring: objectives, method and pressure scouring Process - Bleaching: objectives, types of bleaching agents, Hydrogen peroxide bleaching using J-box and its advantages and disadvantages					
<b>Unit III</b>	Dyeing: classification of dyes, methods of dyeing, stages of dyeing - Basic dye, Direct, Reactive, Vat, Disperse, and Naphthol , Natural dyes- types, Advantages and Disadvantages.					
<b>Unit IV</b>	Printing: types, methods of printing, dye paste preparation, after treatment. Direct printing: Block, Stencil, screen, roller printing, duplex printing and transfer printing - Discharge printing - Resist printing: Batik, Tie and dye					
<b>Unit V</b>	Finishing- objectives of finishing, temporary and permanent finish. Methods – chemical and mechanical finish. Calendaring, tentering and stiffening.					
<b>Reference and Text Books:-</b>						
Mahapatra, N. (2018). Textile Dyes. <i>Journal of Textile and Clothing Science</i> , 1(1), 01-02.						
Muthu, S. S. (Ed.). (2018). <i>Circular Economy in Textiles and Apparel: Processing, Manufacturing, and Design</i> . Woodhead publishing.						
Panda, H. (2013). <i>A concise guide on textile dyes, pigments and dye intermediates with textile printing technology</i> . Niir Project Consultancy Services.						
Uddin, F. (2019). Introductory chapter: textile manufacturing processes. In <i>Textile manufacturing processes</i> . IntechOpen.						
Uddin, F. (2019). Introductory chapter: textile manufacturing processes. In <i>Textile manufacturing processes</i> . IntechOpen.						
Vankar, P. S. (2017). <i>Natural dyes for textiles: Sources, chemistry and applications</i> . Woodhead Publishing.						
<b>Outcomes</b>	<b>The students gain knowledge in</b> <ul style="list-style-type: none"> <li>➤ Dyeing and printing methods and principles of colour application.</li> <li>➤ Develop knowledge in textile and garment processing sector.</li> <li>➤ Obtain knowledge on chemical processing of cotton and blended materials.</li> <li>➤ Analyze the parameters and categorize the recipes for chemical processing of textile materials.</li> <li>➤ Categorize and select the appropriate techniques to process the yarn and fabrics.</li> </ul>					

Course Code 22BFCAP3	Allied Practical- II A Dyeing and Printing		T/P P	C 2	H/W 2
<b>Objectives</b>	<ul style="list-style-type: none"> <li>➤ To understand the preparatory process of textile materials.</li> <li>➤ To learn about the dyeing and printing methods of different textile fabric materials.</li> <li>➤ Pretreatment- Scouring, Desizing, Mercerizing of cotton</li> <li>➤ Dyeing of cotton, silk, wool and synthetic textiles using - Direct, Vat, Sulphur, Reactive, Acid, Basic and Disperse dyes.</li> <li>➤ Printing of cotton using block and screen printing.</li> </ul>				
<ol style="list-style-type: none"> <li>1. Preparation of samples for processing – Desizing.</li> <li>2. Preparation of samples for processing – Scouring.</li> <li>3. Preparation of samples for processing – Bleaching.</li> <li>4. Preparation of samples for processing – Mercerizing.</li> <li>5. Dyeing of fabric with direct and Reactive dyes.</li> <li>6. Dyeing of fabric with acid and basic dyes.</li> <li>7. Dyeing of fabric with Disperse dyes.</li> <li>8. Print the sample with Stencil.</li> </ol>					
<p><b>Reference and Textbooks:</b></p> <p>Mahapatra, N. (2018). Textile Dyes. <i>Journal of Textile and Clothing Science</i>, 1(1), 01-02.</p> <p>Panda, H. (2013). <i>A concise guide on textile dyes, pigments and dye intermediates with textile printing technology</i>. Niir Project Consultancy Services.</p> <p>Uddin, F. (2019). Introductory chapter: textile manufacturing processes. In <i>Textile manufacturing processes</i>. IntechOpen.</p> <p>Vankar, P. S. (2017). <i>Natural dyes for textiles: Sources, chemistry and applications</i>. Woodhead Publishing.</p>					
<b>Outcomes</b>	<p><b>The students are able to</b></p> <ul style="list-style-type: none"> <li>➤ Able to analyze the colour fastness, washing and shrinkage test of dyed fabric.</li> <li>➤ Understand the process of desizing bleaching, dyeing and printing the fabric with different chemicals and colorants.</li> <li>➤ Students will be able to use the techniques for developing different products.</li> <li>➤ Exploring and applying the old and new ideas of designing in different sector.</li> <li>➤ Understand the different types of printing techniques.</li> </ul>				

Course Code 22BFCA4	Allied- II B		T/P	C	H/W
	Fabric embellishment		T	3	3
<b>Objectives</b>	<ul style="list-style-type: none"> <li>➤ To learn the origin of costumes and study the ancient to modern time costume.</li> <li>➤ To get an idea about the Indian traditional textiles and embroideries.</li> <li>➤ To impart knowledge regarding traditional textiles of India.</li> <li>➤ To enable students to understand use of these textiles in the field of fashion.</li> <li>➤ To develop handicraft sector, increase handicraft exports and welfare of artisans.</li> </ul>				
<b>Unit- I</b>	<b>INTRODUCTION TO INDIAN COSTUMES</b> Indian costume – Introduction, Indian Costumes from the earliest times to the beginning of the historical period – Indus valley civilization costumes, Indo Aryans and Vedic Ages, Mauryan and the Sunga period				
<b>Unit -II</b>	<b>TRADITIONAL COSTUMES OF INDIA</b> Introduction to traditional Indian dress. Costumes of Punjab, Himachal Pradesh, Gujarat, Rajasthan, Uttar Pradesh, Madhya Pradesh, Jammu and Kashmir, Tamil Nadu, Kerala, Andhra Pradesh,, Karnataka				
<b>Unit -III</b>	<b>EMBROIDERIES OF INDIA</b> Kashmir Embroidery, Kanthas of Bengal, Chambarummal of Himachal Pradesh, Chickankari of Uttar Pradesh, Pulkhari of Punjab, Kasuthi Embroidery, Kutch Embroidery.				
<b>Unit- IV</b>	<b>TRADITIONAL WOVEN TEXTILES</b> Introduction to woven textiles of India – Brocades of Banaras, Himrus, AmrusBaluchari, Pithambar, Tamilnadu Saree.				
<b>Unit- V</b>	<b>TRADITIONAL PRINTED AND DYED TEXTILES</b> Printed textiles – Kalamkari, Block printing, Roghan printing and other printed and painted textiles (Mata-mi-pachedi, Pabuji-ka-pad)				
<b>Reference and Text Books:-</b> Biswas, A. (2017). <i>Indian costumes</i> . Publications Division Ministry of Information & Broadcasting. Gandhi, K. (Ed.). (2019). <i>Woven textiles: Principles, technologies and applications</i> . Woodhead Publishing. Haq, U. N., &Ite, T. A. (2022). Exploratory Study of Textile Undergraduates' Knowledge and Perception towards Eco-Friendly Clothing in Bangladesh. <i>Tekstilec</i> , 65(1). Kalaiya, V. B. (2019). <i>Documentation of Traditional Costomes of Rulers of Kachchh</i> (Doctoral dissertation, Maharaja Sayajirao University of Baroda (India)). Kumari, P. (2021). <i>Innovation in Design of Traditional Mashru Textile for Product Diversification</i> (Doctoral dissertation, Maharaja Sayajirao University of Baroda (India)).					
<b>Outcomes</b>	<b>The students gain knowledge in</b> <ul style="list-style-type: none"> <li>➤ History of costumes and garments of India.</li> <li>➤ Traditional textiles and embroideries in India.</li> <li>➤ Students will be able to differentiate between embroidery works of different states.</li> <li>➤ Students will be able to use different technique in their collections.</li> <li>➤ Students will be able to understand the problem, issues and other important conditions of craft men working on traditional textiles of different regions of India</li> </ul>				

Course Code 22BFCAP4	Allied Practical-II B		T/P	C	H/W
	Fabric Embellishment Lab		P	2	2
<b>Objectives</b>	<ul style="list-style-type: none"> <li>➤ Inherit embroidery skills by hand and machine</li> <li>➤ Appreciate the beauty and intricacies of the traditional embroideries of India</li> <li>➤ Enhance creativity with the application of smocking</li> <li>➤ To teach and train the students in the basics of hand and machine embroidery.</li> <li>➤ To impart knowledge on various types of embroidery stitches.</li> <li>➤ To make them to acquire skills essential to evaluate the performance of accessories</li> </ul>				
<p>Prepare the following embroidery samples</p> <ol style="list-style-type: none"> <li>1. Whipped Running Stitch,</li> <li>2. Threaded Running Stitch</li> <li>3. Whipped Back Stitch</li> <li>4. Threaded Back Stitch</li> <li>5. Hemming</li> <li>6. Chain stitch and its types</li> <li>7. Fern Stitch</li> <li>8. Stem Stitch</li> <li>9. Lazy Daisy Stitch</li> <li>10. Blanket</li> <li>11. Button Hole Stitch</li> <li>12. Satin</li> <li>13. French Knot,</li> <li>14. Bullion Knot</li> <li>15. Feather – Double Feather Stitch,</li> <li>16. Closed Feather Stitch</li> <li>17. Herring bone</li> <li>18. Cross Stitch</li> <li>19. Bead work</li> <li>20. Sequin work</li> </ol>					
<p><b>Reference and Textbooks:</b></p> <p>Libby Moore, Thread Folk: A Modern Makers Book of Embroidery Projects and Artist Collaborations, Paige Tate &amp; Co, 2019</p> <p>Megan Eckman, Everyday Embroidery for Modern Stitchers, C&amp;T Publishing, 2020</p> <p>Shailaja D Naik , Traditional Embroideries of India, APH Publishing, 1996</p>					
<b>Outcomes</b>	<p><b>The students gain knowledge in</b></p> <ul style="list-style-type: none"> <li>➤ Apply the techniques used in the Indian traditional embroideries</li> <li>➤ Design and develop samples for drawn thread embroidery</li> <li>➤ Attain knowledge on the embroidery tools and the techniques.</li> <li>➤ Identify the different hand embroidery stitches and Indian traditional embroidery.</li> <li>➤ Thorough understanding of the different accessories and embellishments.</li> </ul>				