

SEMESTER

I



BACHELOR OF SCIENCE FASHION DESIGN
(Programme Code: 50SDIUG02)
SYLLABUS

I Semester

Course code	Course Name	Hours/week			Credit	Max. Marks
		L	T	P		
25BFD011C01	Foundations of Visual Design				C	100
		2	0	0		
Pre-requisite	NA					
Evaluation Scheme	Theory				Hours	Marks
	External (End Semester Exam)				3	60
	Internal					40
	Midterm Examination (MTE) - 15 Marks					
Presentation - 5 Marks						
Attendance - 5 Marks						
Assignment / Certification - 5 Marks						
Quiz / Surprise Test - 5 Marks						
Teacher Assessment - 5 marks						
Objective(s)	<ul style="list-style-type: none"> Learn the basic elements of design. Understand principles of design. Analyzing the principles of composition. Develop the ability to visualize and understand the colour wheel and colour schemes To understand the psychological impact of colour and types of motifs 					
Unit	Topic To Be Covered				Hours	Course Outcome addressed
UNIT-I	ELEMENTS OF DESIGN				5	C01
Definition, meaning of design, importance of design, examples of design from nature. Fundamental elements of design; point, line, shape, form, space, texture, value, color and material.						
UNIT-II	PRINCIPLES OF DESIGN				5	C01

Introduction to the principles of design - unity, balance, symmetry, proportion, scale, hierarchy, rhythm, contrast, harmony, focus, etc.; use of grids, creating repetitive patterns.			
UNIT-III	PRINCIPLES OF COMPOSITION	5	C02
Principles of composition using grids, negative and positive space, symmetrical/ asymmetrical, Rule of Thirds, Center of Interest, and Gestalts Theory of Visual Composition.			
UNIT-IV	COLOR AND COLOR SCHEMES	5	C03
Color wheel – primary, secondary, tertiary colors, color wheel, color schemes color value, intensity, and modification of color hues – tints, shades, neutralization. Different types of color schemes – analogous, contemporary, monochromatic, triad etc.			
UNIT-V	PSYCHOLOGICAL IMPACT OF COLOR	5	C04
Psychological impact of color – warm, cool and neutral colors, impact of specific hues, meanings of color, color and form, color and light, color and surface qualities, color and distances and scales.			
UNIT-VI	TYPES OF MOTIFS	5	C05
Types of motifs and trends in Indian art and contemporary art.			
Total hours		30 Hours/ Periods	
Skill Attained	Aesthetics Creating Composition Color concepts		
Outcome(s)	At the end of the course, the students will be able to: CO1: Identify the importance and psychology of different elements of design CO2: understand the importance of principles of design CO3: Analyse core values of design compositions CO4: Combine various design elements to create aesthetic composition CO5: Trace the use of various elements in urban designs		
TEXT BOOK:			
1	Manmeet Sodhia : “ Design Studies ” Kalyani Publishers , 4th Edition, 15th Reprint, 2015.		
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2	NCERT,,: Fashion Studies , 1 st Edition, CBSE ,2017.		
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REFERENCES:			
3	Ocvirk, Otto : “ Art Fundamentals: Theory And Practice ”, Mcgraw-hill education ,5th Edition, 2009.		
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4	Mary Garthe : “ Fashion And Color ”, Rockport pub , 1st Edition, 2005.		
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Mapping of Course outcomes (COs) and Program Outcomes (POs)

CO/PO Mapping (S/M/W indicates strength of correlation) S-Strong, M-Medium, L-Low													
	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO 2	PSO3	PSO4
CO1	M	S	L	L	L	M	L	L	L	S	L	M	L
CO2	L	S	L	L	L	M	L	L	L	S	L	M	L
CO3	L	M	L	L	L	S	M	L	L	S	L	M	L
CO4	L	S	M	L	L	S	L	L	L	S	M	M	M
CO5	S	M	L	L	L	M	S	L	L	M	L	S	L



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Course code	Course Name	Hours/week			Credit	Max. Marks
25BFD011C02	Foundations of Visual Design	L	T	P	C	100
		0	0	2	1	
Pre-requisite	NA					
Evaluation Scheme	Practical				Hours	Marks
	External (End Semester Exam)				3	40
	Internal					60
Internal Practical		- 40 Marks				
Continuous Assessment		- 20 Marks				
Objective(s)	<ul style="list-style-type: none"> Learn the basic elements of design. Understand principles of design. Analyzing the principles of composition. Develop the ability to visualize and understand the colour wheel and colour schemes To understand the psychological impact of colour and types of motifs 					
Practical	Topic to be Covered				Hours	Course Outcome addressed
Practical -I	ELEMENTS OF DESIGN				5	C01
Materials, equipment and techniques of drawing and rendering. Developing various textures using different mediums and techniques						
Practical -II	PRINCIPLES OF DESIGN				5	C01
Developing different types of patterns with respect to principles of design						
Practical -III	PRINCIPLES OF COMPOSITION				5	C02
Preparing color wheel -grey scales Developing a pattern using each color scheme						
Practical -IV	COLOR WHEEL AND COLOR PALLETTE				5	C03

Color wheel – primary, secondary, tertiary colors, color wheel, color schemes color value, intensity, and modification of color hues – tints, shades, neutralization.

Practical -V

COLOR SCHEMES

5

C04

Different types of color schemes – analogous, contemporary, monochromatic, triad etc.

Practical -VI

TYPES OF MOTIFS

5

C05

Designing of various motifs used in Indian art

Total hours

30 Hour / Periods

Skill Attained

Composition

Aesthetics

Designing

Outcome(s)

At the end of the course, the students will be able to:

CO1: Identify the importance and psychology of different elements of design

CO2: understand the importance of principles of design

CO3: Analyse core values of design compositions

CO4: Combine various design elements to create aesthetic composition

CO5: Trace the use of various elements in urban designs

TEXT BOOK:

Manmeet Sodhia : “ Design Studies ” Kalyani Publishers , 4th Edition, 15th Reprint, 2015.

NCERT,: Fashion Studies , 1st Edition, CBSE ,2017.

REFERENCES:

Ocvirk, Otto : “ Art Fundamentals: Theory And Practice ”, Mcgraw-hill education ,5th Edition, 2009.

Mary Garthe : “ Fashion And Color ”, Rockport pub , 1st Edition, 2005.

CO/PO Mapping
(S/M/W indicates strength of correlation)
S-Strong, M-Medium, L-Low

	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO 3	PSO4
CO1	M	S	W	L	L	S	M	L	L	S	L	M	L
CO2	L	S	L	L	L	S	L	L	L	S	L	L	L
CO3	L	M	M	L	L	S	M	L	L	M	L	S	L
CO4	L	S	S	L	L	S	L	L	L	S	M	M	L
CO5	S	M	L	L	L	M	S	L	L	S	L	S	M



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Course code	Course Name	Hours/week			Credit	Max. Marks
		L	T	P		
25BFD011C04	Fashion Illustration–I	L	T	P	C	100
		0	0	4	2	
Pre-requisite	NA					
Evaluation Scheme	Practical				Hours	Marks
	External (End Semester Exam)				3	40
	Internal					60
Internal Practical		- 40 Marks				
Continuous Assessment		- 20 Marks				
Objective(s)	<ul style="list-style-type: none"> Learn the basic elements of design. Understand principles of design. Analysing the principles of composition. Develop the ability to visualize and understand the colour wheel and colour schemes To understand the psychological impact of colour and types of motifs 					
Practical	Topic to be Covered				Hours	Course Outcome addressed
Practical -I	SHADING TECHNIQUES AND FREE HAND SKETCHING				10	C01
Shading techniques for creating different effects like- hatching, cross hatching, round, doodle, stippling techniques of shading using pencils and steadlers etc.						
Practical -II	STILL LIFE				10	C02
Objects Enlargement and reduction of motifs.						

Practical -III	FREE HAND SKETCHING	10	C02
Furniture and sceneries			
Practical -IV	PERSPECTIVE DRAWING	10	C03
Learning types of perspective			
Practical -V	REPEAT PATTERNS	10	C04
Type of patterns and repeats			
Practical -VI	STUDYING FIGURE TYPES AND SILHOUETTE'S	10	C05
Studying different silhouettes			
Total hours		60 Hour / Periods	
Skill Attained	Creativity Pattern Designing Shading types		
Outcome(s)	At the end of the course, the students will be able to: CO1: The study of this course develops the student's ability to visualize the ideas and putting them in concepts for fashion garments. CO2: Hands on practice for female croqui and poses CO3: Hands on practice for male croqui and poses CO4: Hands on practice for facial feature detailing CO5: Model Drawing is introduced with the concept of drawing normal figures in movement and different postures.		
TEXT BOOK:			
Kathryn Mckelvey : " Fashion Source Book ", John Wiley & Sons, 1 st Edition, 15th Reprint, 2009,			
Anna Kiper: Fashion Design And Illustrations, 1 st Edition, David & Charles ,2014.			
REFERENCES:			
Patrick John Ireland: Introduction To Fashion Design", Batsford Ltd ,1st Edition, 1992.			
Bina Ablng: "Model Drawing Or / Fashion Sketch Book", Bloomsbury Publishing , 5 th Edition, 2003			
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CO/PO Mapping
 (S/M/W indicates strength of correlation)
 S-Strong, M-Medium, L-Low

	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO 3	PSO4
CO1	M	S	L	L	L	S	L	L	L	S	L	L	L
CO2	L	S	S	L	L	M	L	L	L	S	L	L	L
CO3	L	S	S	L	L	M	L	L	L	S	L	L	L
CO4	L	M	L	L	L	S	L	L	L	M	L	L	L
CO5	M	M	L	L	L	M	L	L	L	S	L	L	L



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Course code	Course Name	Hours/week			Credit	Max. Marks
		L	T	P		
25BFD011C05	FASHION FUNDAMENTALS	2	0	0	2	100
Pre-requisite	NA					
Evaluation Scheme	Theory				Hours	Marks
	External (End Semester Exam)				3	60
	Internal					40
	Midterm Examination - 15 marks					
	Presentation - 5 marks					
	Attendance - 5 marks					
	Assignment - 5 marks					
Quiz/ Test - 5 marks						
Teacher Assessment - 5 marks						
Objective(s)	<ul style="list-style-type: none"> To make students understand the origin of clothing To create awareness about clothing culture. To impart knowledge of clothing communication and fashion expression. To develop understanding regarding the fashion movement and consumer behaviour. To understand the psychological impact of colour and types of motifs 					
Unit	Topic to be Covered	Hours			Course Outcome Addressed	
UNIT-I	ORIGIN OF CLOTHING	5			CO1	
Origin of clothing- theory of protection, modesty adornment.						
UNIT-II	FASHION TERMINOLOGY	5			CO2	

Fashion, style, change, fashion cycles, fad, classic, boutique, croquie, fashion trends, haute couture, designer, prêt-a-porter, and silhouette, Hi- fashion, mass fashion and knock-offs.

Fashion - Definition, importance, principles, components (silhouette, details, texture and colour).

UNIT-III	FASHION CYCLE	5	CO3
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Fashion movement and factors that influencing it.

Fashion cycle- Fashion cycle stages, broken fashion cycle and length of fashion cycles.

Consumer identification with fashion life cycle – fashion leaders/ followers/ innovators/ motivators/ victims

UNIT-IV	FASHION THEORIES AND PSYCHOLOGY	5	CO4
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Fashion theories - trickle down, trickle across and bottom up theory.

Fashion psychology - first impression, role of social and psychological aspect of clothing.

Factors affecting fashion and difference of fashion and anti-fashion (social, economic, psychological).

UNIT-V	SOCIOLOGICAL ASPECT OF CLOTHING	5	CO4
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Sociological choice of clothing as affected by nationality, tradition, class consciousness, occupation etc.

National and International designers of 20th and 21st century- their profile, collection and contribution to fashion world.

UNIT-VI	FASHION FORECASTING	5	CO5
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Fashion forecasting, sources of fashion forecasting information- agencies

Total hours	30 periods
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Skill Attained	<p>Creative design and illustration</p> <p>Trend analysis and market research</p> <p>Fashion communication</p>
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Outcome(s)	<p>At the end of the course, the students will be able to:</p> <p>CO1: Understand the fashion terminologies, fashion scenario and fashion industry.</p> <p>CO2: To provide a broad foundation to acquire the knowledge of fashion theory and its growth which develop the students' potential for professional activities that demand considerable independence or for fashion research work</p> <p>CO3: Develop the ability to analyse market trends and consumer behaviour to inform design decisions and marketing strategies.</p> <p>CO4: To get an insight into the more recent developments in the field of global fashion and fashion trends</p> <p>CO5: To foster an understanding of international / Indian designers and their work</p>
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TEXT BOOK:

1.	Kathryn Mikelvey: “Fashion Source Book”, John Wiley & Sons, 1 st Edition, 2009.
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2.	Sharon Le Fate: Inside Fashion Design, 1 st Edition, Pearson , 2014.
REFERENCES:	
3.	Judith Watt: “Fashion”, Penguin U.K.,1st Edition, 2005.
4.	Marjory Joseph: Essentials Of Textiles, 4 th Edition, Wadsworth Publishing Co Inc , 2014.

CO/PO Mapping (S/M/W indicates strength of correlation) S-Strong, M-Medium, L-Low													
	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO 3	PSO4
CO1	S	L	L	L	L	L	M	M	L	L	L	L	L
CO2	S	L	L	L	L	L	M	M	L	L	L	L	L
CO3	M	L	L	L	L	L	M	M	L	L	L	S	L
CO4	M	L	L	L	L	L	M	M	L	L	L	L	L
CO5	M	L	L	L	L	L	M	L	L	L	L	L	L



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SYLLABUS

I Semester

Course code	Course Name	Hours/week			Credit	Max. Marks
25BFD011C06	INTRODUCTION TO SEWING TECHNIQUES	L	T	P	C	100
		0	0	4	2	
Pre-requisite	NA					
Evaluation Scheme	Practical				Hours	Marks
	External (End Semester Exam)				3	40
	Internal Internal Practical - 40 Marks Continuous Assessment - 20 Marks					60
Objective(s)	<ul style="list-style-type: none"> • Students will be able to judge the right kind of seam finishes that have to be given to different fabrics • Develop skills of students to create basic garment parts and various design elements required for a garment • To make student understand the basic skills related to hand stitches and seams. • Develop understanding of different terminology used in garments • To learn different types of finishing in garment construction (hand and machine) 					
Practical	Topic to be Covered				Hours	Course Outcome addressed
Practical -I	BASIC STITCHES WITH HAND AND SEWING MACHINES				10	C01
Temporary and Permanent Basting - even and uneven Diagonal and Thread mark stitch, Hemming - visible and invisible, Running Buttonhole (plain, bound, corded) Backstitches -full, half, prick and pick, Slip stitch, Overcast and overhand stitches etc						
Practical -II	BASIC MACHINE SEAMS				10	C01
Stitching or finishing of the garments Plain seam Lapped seam, French seam, Run and fell seam						

Practical-III	FABRIC MANIPULATION	10	C02
Gathers, pleats, darts and tucks Pleats - Knife, Box, Accordion, Inverted box, Kick pleats Tucks- Pin, Space, Cross, Shell and Release			
Practical-IV	NECKLINES, PLACKETS	10	C03
Various kinds of necklines, stitches and trimmings used for various shapes. Use and differences between the basic methods used for finishing necklines - Shaped facing, Bias facing and Piping. Even hem placket, Wrap and projection placket, Continuous placket			
Practical-V	PROJECT WORK	10	C04
Home furnishing (bedsheets, table covers, cushions etc)			
Practical-VI	FINAL CONSTRUCTION	10	C05
Jabla, frock, bib any kids wear segments			
Total hours		60 Hour / Periods	
Skill Attained	Student gain sewing skills: basic stitches, seam techniques, fabric manipulation (gathers, pleats, tucks), neckline and pocket construction, and final garment assembly (jabla, frock, bib).		
Outcome(s)	At the end of the course, the students will be able to: CO1: Basic stitching and creative skill will be developed which will help them to construct their garments. CO2: Students will be able to use different stitches and seams as per the requirement of the garment. CO3: Correct placement and attachment of placket and zippers CO4: Will be able to convert fullness of garment with different techniques like dart, pleats etc. CO5: Will be enable students to create basic garments and accessories using sewing techniques they have learned.		
TEXT BOOK:			
1.	"The Sewing Book: An Encyclopedic Resource of Step-by-Step Techniques" by Alison Smith, 1st Edition (2009), ISBN 978-0756657061, DK Publishing		
2.	Amaden-Crawford: A Guide To Fashion Sewing, 5 th Edition, Bloomsbury publishing India private limited ,2006.		
REFERENCES:			
1.	Dorothy Wood: "The Practical Encyclopedia Of Sewing", Om publication, 5 th Edition, 2005.		
2.	Manmeet Sodhia : " Garment Construction ", Kalyani publishers , 4th Edition, 15th Reprint, 2008,		

CO/PO Mapping
(S/M/W indicates strength of correlation)
S-Strong, M-Medium, L-Low

	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO 3	PSO4
CO1	S	S	M	L	L	L	L	M	L	S	S	L	L
CO2	S	S	S	L	L	L	L	M	L	S	S	L	L
CO3	M	S	S	L	L	L	L	M	L	M	S	L	L
CO4	M	S	S	L	L	L	L	M	L	M	S	L	L
CO5	S	S	M	L	L	L	L	M	L	S	S	L	L



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Course code	Course Name	Hours/week			Credit	Max. Marks
		L	T	P		
25BFD011C07	COMPUTER AIDED DESIGN (CAD)-I	L	T	P	C	100
		0	0	4	2	
Pre-requisite	NA					
Evaluation Scheme	Practical				Hours	Marks
	External (End Semester Exam)				3	40
	Internal Internal Practical - 40 Marks Continuous Assessment - 20 Marks					60
Objective(s)	<ul style="list-style-type: none"> To acquaint them with different designing software's To make them understand the importance of CAD in fashion and Garment industry. Analysing the principles of composition. Develop the ability to visualize and understand the colour wheel and colour schemes To understand the psychological impact of colour and types of motifs 					
Practical	Topic to be Covered				Hours	Course Outcome addressed
Practical -I	INTRODUCTION TO CAD				8	C01
Introduction to CAD, Digitizing Patter, Hardware requirement Preparation of Basic set – Bodice front, Back and Sleeve using CAD						
Practical -II	ELEMENTS OF DESIGN				8	C02
Use basic elements of design- line, form, shape, space, size, patterns, textures & colour to create designs using software's						
Practical -III	PRINCIPALS OF DESIGN				8	C03

Understanding & exercising the principles of design- Harmony, Balance, Rhythm, Proportion and Emphasis using software

Practical -IV	MOTIF DESIGNING AND PATTERN MAKING	7	C03
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Understanding various type of motifs and pattern

Practical -V	STILL LIFE AND FURNITURE DESIGNING	7	C04
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Designing furniture and still life scenes

Practical -VI	LANDSCAPE DESIGNING	7	C05
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Designing of land scape in various forms

Total hours	45 Hour / Periods
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Skill Attained	Digital art Vector art Digitalized Motifs
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Outcome(s)	<p>At the end of the course, the students will be able to:</p> <p>CO1: Develop a basic concept of computers & its structure</p> <p>CO2: Enable students to understand the working of commonly used software and like Adobe Photoshop and CorelDraw, their use in designing.</p> <p>CO3: Create small design using tools in Ms. Paint, Adobe Photoshop and CorelDraw</p> <p>CO4: This course focuses on the usage of Usage of computers in Fashion & Apparel Industry</p> <p>CO5: Students will be able to develop and conceptualize their designs and creations.</p>
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TEXT BOOK:

Galen Gruman : “ Adobe In Design Cs2 Bible”, John Wiley & Sons, 5th Edition, 15th Reprint, 2014,

Martyn Thirlway: Writing Software Manuals, 1st Edition,
Prentice Hall, 2014.

REFERENCES:

Gary David Bouton: “Coreldraw X7: The Official Guide”, Mcgraw-hill education, 1st Edition, 2014.

CO/PO Mapping (S/M/W indicates strength of correlation) S-Strong, M-Medium, L-Low													
	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO 3	PSO4
CO1	M	L	L	M	L	L	L	M	L	L	L	L	L
CO2	M	L	L	S	L	M	L	M	L	M	L	L	L
CO3	M	L	L	S	L	S	L	M	L	M	L	L	L

CO4	M	L	L	M	L	L	L	M	L	L	L	L	L
CO5	M	M	L	S	L	S	L	M	L	M	L	L	L



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I Semester

Course code	Course Name	Hours/week			Credit	Max. Marks
		L	T	P		
25BFD011E01	FIBRE AND YARN SCIENCE	C	3	0	0	100
		3	0	0	3	
Pre-requisite	NA					
Evaluation Scheme	Theory				Hours	Marks
	External (End Semester Exam)				3	60
	Internal					40
	Midterm Examination - 15 marks					
Presentation - 5 marks						
Attendance - 5 marks						
Assignment - 5 marks						
Quiz/ Test - 5 marks						
Teacher Assessment - 5 marks						
Objective(s)	<ul style="list-style-type: none"> Gain an understanding about textile fibers and their uses. Judge the quality of textile fibers. Acquire knowledge of fibers and the various processes involved manufacture of fibers. Obtain skills on blends and mixtures of textiles fibres and their changes. Gain knowledge in identifying different types of textiles fibers by various methods. 					
Unit	Topic to be Covered			Hours	Course Outcome Addressed	
UNIT-I	THE OVERVIEW OF TEXTILE INDUSTRY			5	CO1	
Introduction to textiles; Major segments of the textile industry Market planning for apparels; Primary and secondary sources of fabric buying and selling of finished fabric						

UNIT-II	INTRODUCTION TO TEXTILE FIBRES	8	CO2
Introduction to textile fibres: definition, classification Primary and secondary properties Ideal properties of textile fibres- Staple, Filament			
UNIT-III	NATURAL FIBRES	12	CO2
Natural, Cellulosic Fibers - Seed hair fibers- Cotton, Kapok, Coir. Bast fibers- Flax, Ramie, Jute, Kenaf, and Hemp Natural Protein Fibers – Wool and Silk. Mineral Fibre (origin, manufacture, properties and uses)			
UNIT-IV	SYNTHETIC FIBRES	8	C03
Manmade Synthetic Fibers – Nylon, Types of Nylon- Nylon-6 and Nylon-66, Polyesters, Acrylic Elastomers – Rubber, Spandex Manmade Regenerated Fibers- Viscose Rayon, Rayon, Acetate, Triacetate Identification of textile fibres-Microscopic, Burning and solubility tests			
UNIT-V	TEXTILE YARNS	7	C04
Definition of yarns Classification of yarns; Yarn Manufacturing – Yarn from staple fibers –Fiber preparation - Ginning, Spinning and its types Filament yarns – manufacturing techniques – Twisted filaments, Textured filaments. Properties of yarns – Yarn count or yarn number – Yarn twist Yarn torque – S twist, Z twist, Flexibility, Cover factor.			
UNIT-VI	YARN CLASSIFICATION	5	C05
Types of Yarns- Simple and complex yarns Types of complex yarns, Textured Yarns. Fiber Blends- General characteristics, Production. Threads - Difference between thread and yarn, Sewing threads- Types and properties.			
Total hours		45 periods	
Skill Attained	Material Analysis Ability to differentiate different types of yarns and fibres Contextual understanding		
Outcome(s)	At the end of the course, the students will be able to: CO1: To understand the tactile and behavioural characteristics of various fibres and yarns in relation to their application and end use CO2: To develop a basic sense in students in order to identify certain natural fibres visually and chemically CO3: Understanding the functional aspects of textile fibres		

CO4: understanding various textile yarns used in the industry
 CO5: Introduction to various techniques involved in yarn production

TEXT BOOK:

1. Bernard P. Corbman : “ Textiles: Fiber To Fabric ”, Mcgraw Hill Education , 6th Edition, 2010,
2. Marjory Joseph: Essentials Of Textiles, 4th Edition, Wadsworth Publishing Co Inc ,2014.

REFERENCES:

3. Kadolph Sara,J : “ Textiles ”, Pearson ,12th Edition, 2012.
4. E. P. G. Gohl.& L. D. Vilensky : “ Textile Science ”, CBSE, Delhi, 2nd Edition, 2005.

CO/PO Mapping
 (S/M/W indicates strength of correlation)
 S-Strong, M-Medium, L-Low

	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO 3	PSO4
CO1	S	L	L	L	M	L	M	M	L	L	L	L	L
CO2	S	L	L	L	M	L	M	M	L	L	L	L	L
CO3	S	L	L	L	M	L	M	M	L	L	L	L	L
CO4	S	L	L	L	M	L	M	M	L	L	L	L	L
CO5	M	L	L	L	M	L	M	M	L	L	L	L	L



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I Semester

Course code	Course Name	Hours/week			Credit	Max. Marks
		L	T	P		
23BFD011E02	Textile Science and Care					100
		3	0	0	3	
Pre-requisite	NA					
Evaluation Scheme	Theory				Hours	Marks
	External (End Semester Exam)				3	60
	Internal					40
	Midterm Examination	- 15 marks				
Presentation	- 5 marks					
Attendance	- 5 marks					
	Assignment	- 5 marks				
	Quiz/ Test	- 5 marks				
	Teacher Assessment	- 5 marks				
Objective(s)	<ul style="list-style-type: none"> • To impart foundational knowledge of textile fibers, yarns, fabric properties, and their behavior during use and care. • To develop an understanding of the physical and chemical characteristics of fibers and fabrics. • To educate students on appropriate cleaning methods, fabric finishes, and care labeling. • To promote the importance of textile maintenance for prolonged usage and sustainability. • To prepare students for making informed decisions in fabric selection, usage, and aftercare in fashion and textile products. 					
Unit	Topic to be Covered			Hours	Course Outcome Addressed	

UNIT-I	Introduction to Textile Fibers	5	CO1
<ul style="list-style-type: none"> • Classification: Natural and man-made fibers • Origin and source of fibers • Physical and chemical properties • Identification tests for textile fibers 			
UNIT-II	Yarn Science	8	CO2
<ul style="list-style-type: none"> • Yarn formation techniques: spun, filament, core-spun, textured yarns • Yarn count, twist, and ply • Yarn properties and their impact on fabric behavior • Blended yarns and their advantages 			
UNIT-III	Fabric Construction and Properties	12	CO2
<ul style="list-style-type: none"> • Methods: weaving, knitting, non-woven, felting, and bonding • Basic fabric structures and their identification • Fabric performance characteristics: durability, drape, elasticity, absorbency 			
UNIT-IV	Fabric Finishes	8	C03
<ul style="list-style-type: none"> • Mechanical finishes: calendaring, shearing, brushing • Chemical finishes: wrinkle resistance, flame retardant, water repellent • Functional finishes and their application in fashion textiles • Sustainable and eco-friendly finishes 			
UNIT-V	Fabric Care and Laundering	7	C04
<ul style="list-style-type: none"> • Cleaning agents: soaps, detergents, and enzymes • Laundry equipment and methods: hand wash, machine wash, dry cleaning • Water quality and its effect on washing • Stain types and stain removal techniques 			
UNIT-VI	Care Labels and Storage	5	C05
<ul style="list-style-type: none"> • Care labeling symbols and international standards (ISO, GINETEX) • Interpretation and usage of care labels • Fabric storage methods for different materials • Preventing damage from light, insects, and moisture 			
Total hours		45 periods	
Skill Attained	Fiber and Yarn Identification Fabric Analysis Application of Textile Finishes Care Label Interpretation		
Outcome(s)	At the end of the course, the students will be able to: CO1: Identify and classify textile fibers based on their properties and origin.		

CO2: Understand yarn formation, yarn types, and their impact on fabric performance.
 CO3: Analyze the behavior of different fabrics under various conditions.
 CO4: Apply knowledge of fabric care, laundering, and stain removal techniques.
 CO5: Interpret care labels and recommend suitable cleaning and maintenance procedures.

TEXT BOOK:

1. **Corbman, B.P.** – *Textiles: Fiber to Fabric*, 6th Edition, McGraw Hill Education, 2010.
2. **Joseph, M.** – *Essentials of Textiles*, 4th Edition, Wadsworth Publishing Co., 2014.

REFERENCES:

3. Kadolph Sara,J : “ Textiles ”, Pearson ,12th Edition, 2012.
4. E. P. G. Gohl.& L. D. Vilensky : “ Textile Science ”, CBSE, Delhi, 2nd Edition, 2005.

CO/PO Mapping (S/M/W indicates strength of correlation) S-Strong, M-Medium, L-Low													
	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO 3	PSO4
CO1	S	L	L	L	M	L	M	M	L	L	L	L	L
CO2	S	L	L	L	M	L	M	M	L	L	L	L	L
CO3	S	L	L	L	M	L	M	M	L	L	L	L	L
CO4	M	L	L	L	M	L	M	M	L	L	L	L	L
CO5	M	L	L	L	M	L	M	M	L	L	L	L	L

SEMESTER

II



BACHELOR OF SCIENCE FASHION DESIGN
(Programme Code: 50SDIUG02)
SYLLABUS

II Semester

Course code	Course Name	Hours/week			Credit	Max. Marks
25BFD012C01	INTRODUCTION TO APPAREL INDUSTRY	L	T	P	C	100
		2	0	0	2	
Pre-requisite	NA					
Evaluation Scheme	Theory				Hours	Marks
	External (End Semester Exam)				3	60
	Internal					40
	Midterm Examination - 15 marks					
	Presentation - 5 marks					
Attendance - 5 marks						
Assignment - 5 marks						
Quiz/ Test - 5 marks						
Teacher Assessment - 5 marks						
Objective(s)	<ul style="list-style-type: none"> • Explore the history and development of the textile and apparel industry. • Conduct a SWOT analysis of the apparel industry. • Identify major apparel exporting and importing countries. • Understand the roles of various departments like design, sampling, sales, sourcing, merchandising, and production. • Analyze future prospects of the domestic and global apparel industry, including export-oriented units and government incentives. 					
UNIT	Topic To Be Covered				Hours	Course Outcome addressed
UNIT-I	TEXTILE AND APPAREL INDUSTRY.				5	C01
Apparel industry and nature of Textile & Apparel Industry Overview of Textile and Garment Industry, Indian garment Industry, Organizational Structure and Work Flow in a Garment Unit						

UNIT-II	VARIOUS DEPARTMENTS	5	C01
Purchase Department, Washing Department, Cutting Department, sewing Department, Production Department, Design Department, CAD Department, Finishing and Pressing department, Trimming department and Packing Department			
UNIT-III	QUALITY CONTROL	5	C02
Quality Control, Importance of Quality Control and Checks, Inspection systems, Inspection –Pilot, Mid & Final, Quality Control - Fabric, Sample, Marker, Spreading, Cutting, sewing, pressing and Finishing, Quality Manual and ISO, Time Study, SAM			
UNIT-IV	EXPORT - IMPORT	5	C03
SWOT Analysis Major apparel exporting and importing countries.			
UNIT-V	GOVERNMENT AIDS	5	C04
Incentives given to apparel industry by the government - central and state.			
UNIT-VI	FUTURE PROSPECTS	5	C05
Future prospects of domestic and global apparel industry. Export oriented units and organizations for export promotion.			
Total hours		30 Hours/ Periods	
Skill Attained	The apparel industry course provides a condensed study of textile and apparel history, SWOT analysis for strategic insights, global trade dynamics, departmental roles like design and production, future industry prospects, and government incentives for growth and exports.		
Outcome(s)	<p>At the end of the course, the students will be able to:</p> <p>CO1: Understanding the historical evolution and global development of the textile and apparel sectors.</p> <p>CO2: Conducting SWOT analysis to assess industry strengths, weaknesses, opportunities, and threats.</p> <p>CO3: Analyzing major apparel trading nations and their import-export dynamics.</p> <p>CO4: Exploring roles in design, sampling, sales, sourcing, merchandising, and production within the apparel sector.</p> <p>CO5: Evaluating future trends in the domestic and global apparel markets, focusing on export-oriented strategies.</p>		
TEXT BOOK:			
1.	A Handbook On Indian Apparel Industry N Minerva And Dr Neelam Agrawal Srivastava 2 nd Asin : b07pzf6118 Kindle Edition		
2.	Fashion studies ncert 1st ASIN: B0748XRVTDCbse		

REFERENCES:

1.	The fashion industry and its careers: an introduction michele m. Granger 3rd 978-1628923414 fairchild books
2.	The apparel industry jones richard 2nd 9781405135993 john wiley and sons ltd

CO/PO Mapping
(S/M/W indicates strength of correlation)
S-Strong, M-Medium, L-Low

	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO 3	PSO4
CO1	S	L	M	L	M	L	M	M	L	L	L	S	M
CO2	M	L	M	L	M	L	M	M	L	L	L	S	M
CO3	M	L	M	L	M	L	M	M	L	L	L	S	M
CO4	M	M	M	L	M	L	M	M	S	L	L	S	M
CO5	M	L	M	L	M	L	M	M	L	L	L	S	S



BACHELOR OF SCIENCE FASHION DESIGN
(Programme Code: 50SDIUG02)
SYLLABUS

II Semester

Course code	Course Name	Hours/week			Credit	Max. Marks
25BFD012C02	HISTORY OF INDIAN COSTUMES	L	T	P	C	100
		2	0	0	2	
Pre-requisite	NA					
Evaluation Scheme	Theory				Hours	Marks
	External (End Semester Exam)				3	60
	Internal					40
	Midterm Examination - 15 marks					
Presentation - 5 marks						
Attendance - 5 marks						
Assignment - 5 marks						
Quiz/ Test - 5 marks						
Teacher Assessment - 5 marks						
Objective(s)	<ul style="list-style-type: none"> • Understand the timeline and evolution of Western fashion. • Analyze the impact of social, political, and cultural factors on clothing. • Identify significant styles and trends from various historical periods. • Explore materials and techniques used in historical garment construction. • Relate fashion changes to major historical events and societal shifts. 					
UNIT	Topic To Be Covered				Hours	Course Outcome addressed
UNIT-I	INITIAL CIVILIZATIONS				5	C01
Indus valley Period Men's and Women's costumes, jewelry, hairstyles and footwear. Vedic Period.- Men's and Women's costumes, jewelry, hairstyles and footwear.						
UNIT-II	DIFFERENT ERA IN INDIAN HISTORY-I				5	C01
Mauryan and Sunga Period Men's and Women's costumes, jewelry, hairstyles and footwear. Satvahana Period Men's and Women's costumes, jewelry, hairstyles and footwear.						

UNIT-III	DIFFERENT ERA IN INDIAN HISTORY-II	5	C02
Kushan Period, Men's and Women's costumes, jewelry, hairstyles and footwear. Gupta Period - Men's and Women's costumes, jewelry, hairstyles and footwear.			
UNIT-IV	COSTUMES OF INDIA DURING MUGHAL'S	5	C03
Mughal Period- Men's and Women's costumes, jewelry, hairstyles and footwear.			
UNIT-V	COSTUMES DURING BRITISH RAJ	5	C04
British Period Men's and Women's costumes, jewelry, hairstyles and footwear.			
UNIT-VI	COSTUMES OF INDIA	5	C05
Costumes of different states of India East West North South Men's and Women's costumes, jewelry, hairstyles and footwear.			
Total hours		30 Hours/ Periods	
Skill Attained	Studying costumes across Indian history and regions provides skills in analyzing and understanding the evolution of attire, jewelry, hairstyles, and footwear from ancient civilizations like the Indus Valley to the British Raj. It also covers diverse regional costumes, enhancing cultural and historical awareness.		
Outcome(s)	At the end of the course, the students will be able to: CO1: Analyze the evolution of Indian costumes, jewelry, hairstyles, and footwear across historical periods. CO2: Understand socio-cultural influences on Indian costume trends throughout history. CO3: Evaluate external influences on Indian costume traditions over time. CO4: Categorize traditional Indian garments, jewelry, hairstyles, and footwear by historical period and region. CO5: Interpret the cultural significance of costume elements in Indian history and identity expression.		
TEXT BOOK:			
1.	"Indian Costumes in the Collection of the Calico Museum of Textiles" by B.N. Goswamy, Kalyan Krishna, and Tarla P. Dundh. Published by Mapin Publishing Pvt Ltd, 2014. ISBN: 978-8185822751.		
2.	"Costumes and Textiles of Royal India" by Ritu Kumar. Published by Antique Collectors' Club, 2006. ISBN: 978-1851494855.		
REFERENCES:			

1.	The Cultural Heritage of India: Costumes and Textiles" by Jasleen Dhamija. Published by Art Heritage, 2009. ISBN: 978-8187358178.
2.	Indian Costumes" by S.M. Dhariwal. Published by Abhinav Publications, 1993. ISBN: 978-8170172923.

CO/PO Mapping (S/M/W indicates strength of correlation) S-Strong, M-Medium, L-Low													
	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO 3	PSO4
CO1	S	L	M	L	S	M	M	M	L	L	L	M	L
CO2	S	L	M	L	S	M	S	M	L	L	L	M	L
CO3	S	L	M	L	S	M	S	M	L	L	L	M	L
CO4	S	L	M	L	S	M	M	M	L	L	L	M	L
CO5	S	L	M	L	S	M	S	M	L	L	L	M	L



BACHELOR OF SCIENCE FASHION DESIGN
(Programme Code: 50SDIUG02)
SYLLABUS

II Semester

Course code	Course Name	Hours/week			Credit	Max. Marks
25BFD012C03	COMPUTER AIDED DESIGN (CAD) - II	L	T	P	C	100
		0	0	4	2	
Pre-requisite	NA					
Evaluation Scheme	Practical				Hours	Marks
	External (End Semester Exam)				3	40
	Internal Internal Practical - 40 Marks Continuous Assessment - 20 Marks					60
Objective(s)	<ul style="list-style-type: none"> To acquaint them with different designing software's To make them understand the importance of CAD in fashion and Garment industry Analyzing the principles of composition. Develop the ability to visualize and understand the colour wheel and colour schemes To understand the psychological impact of colour and types of motifs 					
Practical	Topic to be Covered				Hours	Course Outcome addressed
PRACTICAL -I	GARMENT FEATURES				10	C01
Types of collars, Necklines, yokes, cuffs, sleeves, ruffles, frills etc.						
PRACTICAL -II	TYPE OF GARMENTS				10	C01
Pants, skirts, blouses, shorts, jackets etc.						
PRACTICAL - III	JEWELLERY AND ACCESSORY DESIGNING				10	C02
Indian and western jewelry Designing of hats, bags, belts, footwear, sunglasses,						

PRACTICAL - IV	ADVANCE HAIRSTYLES	10	C03
Advance hairstyling techniques			
PRACTICAL-V	FLAT SKETCHING OF GARMENTS	10	C04
<ul style="list-style-type: none"> Flat sketching of various garments such as shirt with trouser, a line dress, gown (front and back) 			
PRACTICAL-VI	FLAT SKETCHING INDIAN WEAR	10	C05

• Flat sketching of various Indian wear outfits

Total hours	60 Hour / Periods
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Skill Attained	Digital Fashion Art Flat Sketching Garment features
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Outcome(s)	<p>At the end of the course, the students will be able to:</p> <p>CO1: To enable students to gain knowledge of figure sketching and drawing.</p> <p>CO2: To gain knowledge of various fashion details.</p> <p>CO3: To acquaint students with knowledge of CAD based application in fashion designing with CorelDraw</p> <p>CO4: Students will gain hands-on experience in designing garments, patterns, and prints using CAD tools, enabling them to translate their creative ideas into digital format with precision and clarity.</p> <p>CO5: The students will be equipped with essential CAD software skills, allowing them to create and communicate fashion designs digitally, enhancing their employability and positioning.</p>
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TEXT BOOK:

Galen Gruman : “ Adobe In Design Cs2 Bible”, John Wiley & Sons, 5th Edition, 15th Reprint, 2014,

Martyn Thirlway: Writing Software Manuals, 1st Edition, Prentice Hall, 2014.

REFERENCES:

Gary David Bouton: “Coreldraw X7: The Official Guide”, Mcgraw-hill education, 1st Edition, 2014.

CO/PO Mapping (S/M/W indicates strength of correlation) S-Strong, M-Medium, L-Low	
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	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO 3	PSO4
CO1	S	M	L	L	L	M	L	M	L	S	L	M	L
CO2	S	M	M	L	M	S	L	M	L	S	L	M	L
CO3	L	L	M	S	L	M	L	M	L	L	M	M	L
CO4	L	M	M	S	L	M	L	M	M	L	M	M	L
CO5	L	M	M	S	L	M	L	M	M	L	M	M	L



BACHELOR OF SCIENCE FASHION DESIGN
(Programme Code: 50SDIUG02)
SYLLABUS

II Semester

Course code	Course Name	Hours/week			Credit	Max. Marks
25BFD012C04	FABRIC ARTISTRY AND ORNAMENTATION	L	T	P	C	100
		0	0	4	2	
Pre-requisite	NA					
Evaluation Scheme	Practical				Hours	Marks
	External (End Semester Exam)				3	40
	Internal Internal Practical - 40 Marks Continuous Assessment - 20 Marks					60
Objective(s)	<ul style="list-style-type: none"> To introduce student with the creative art of embroidery. To develop understanding regarding surface ornamentation. To familiarize students with various techniques of surface ornamentation for value addition. To able to make a products with the help of basic embroidery stitches. To understand the application of different embroidery to techniques to create 2D and 3D effects. 					
Practical	Topic to be Covered				Hours	Course Outcome addressed
PRACTICAL-I	INTRODUCTION				10	C01
Embroidery tools and techniques, embroidery threads and their classification Selection of threads, needle and cloth, tracing techniques, ironing and finishing of embroidered articles.						
PRACTICAL-II	BASIC HAND EMBROIDERIES				10	C02
Their technique, variations and applications. Basic and two variations of running stitch, back stitch, stem stitch Chain stitch, lazy daisy stitch, buttonhole stitch, feather stitch, herringbone stitch, knot stitch, satin stitch and cross stitch.						

PRACTICAL -III	SPECIAL EMBELLISHMENT TECHNIQUES	10	C03
Ribbon, stone, pearl, sequin, bead work etc. Fabric flowers and other objects Applique Quilting Smocking			
PRACTICAL -IV	RESIST DYEING TECHNIQUE- I	10	C03
Batik - splash, crackled			
PRACTICAL -V	RESIST DYEING TECHNIQUE- II	10	C04
Tie and dye - lehariya, bandini, shibori, sunray and marbling			
PRACTICAL -VI	PRINTING TECHNIQUES	10	C05
Block printing - vegetable block and wooden blocks Fabric painting Stencil printing - dabbing and spraying.			
Total hours		60 Hour / Periods	
Skill Attained	Detailing Embroidering Surface ornamentation		
Outcome(s)	At the end of the course, the students will be able to: CO1: The students will develop a thorough understanding of various techniques used to impart various decorative skills on fabric through practical exercises CO2: Capacity to create design using surface manipulation CO3: Understanding the basic embroidery stitches CO4: Capacity to incorporate and develop new design using surface embellishments CO5: Students will be able to develop utility articles with the help of basic embroidery stitches		
TEXT BOOK:			
1.	Kimberly Irwin: “ Surface Design For Fabric”, Fairchild Books, 1 st Edition, 2011,		
2.	Lanto Synge: Art Of Embroidery: History Of Style And Technique, 1 st Edition, Antique Collectors Club ,2014.		
REFERENCES:			
1.	Readers Digest : “ Complete Guide To Sewing ”, Reader's Digest ,1st Edition, 2005.		

CO/PO Mapping
 (S/M/W indicates strength of correlation)
 S-Strong, M-Medium, L-Low

	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO 3	PSO4
CO1	S	M	L	M	M	S	L	L	L	S	M	L	M
CO2	M	S	M	L	S	M	L	L	L	S	M	M	M
CO3	S	L	L	L	M	M	L	L	L	S	L	M	L
CO4	M	S	M	M	S	M	L	L	L	M	S	M	M
CO5	M	M	L	L	M	M	L	L	L	M	M	M	L



BACHELOR OF SCIENCE FASHION DESIGN
(Programme Code: 50SDIUG02)
SYLLABUS

II Semester

Course code	Course Name	Hours/week			Credit	Max. Marks
		L	T	P		
25BFD012C05	Fashion Illustration–II	L	T	P	C	100
		0	0	4	2	
Pre-requisite	NA					
Evaluation Scheme	Practical				Hours	Marks
	External (End Semester Exam)				3	40
	Internal Internal Practical - 40 Marks Continuous Assessment - 20 Marks					60
Objective(s)	<ul style="list-style-type: none"> To widen the students exposure to the scope of men's and children clothing. To understand male and children body proportions. To design a clothing line for men and children by understanding different themes and occasions. To explore and design different fashion accessories and footwear to give a complete look to the garment. To be able to conceptualize ideas and amalgamation of different accessories with the garments 					
Practical	Topic to be Covered				Hours	Course Outcome addressed
PRACTICAL-I	GARMENT FEATURES				10	CO1
Types of collars, Necklines, yokes, cuffs, sleeves, ruffles, frills etc.						
PRACTICAL-II	TYPE OF GARMENTS				10	CO1
Pants, skirts, blouses, shorts, jackets etc.						
PRACTICAL-III	JEWELLERY AND ACCESSORY DESIGNING				10	CO2

Indian and western jewelry Designing of hats, bags, belts, footwear, sunglasses,			
PRACTICAL-IV	ADVANCE HAIRSTYLES	10	CO3
Advance hairstyling techniques			
PRACTICAL-V	FLAT SKETCHING OF GARMENTS	10	CO4
Flat sketching of various garments such as shirt with trouser, a line dress, gown (front and back)			
PRACTICAL-VI	FLAT SKETCHING INDIAN WEAR	10	CO5
Flat sketching of various Indian wear outfits			
Total hours		60 Hour / Periods	
Skill Attained	Stylization Flat sketching Designing		
Outcome(s)	At the end of the course, the students will be able to: CO1: Basics of clothing origins CO2: To enable students to have awareness and to gain knowledge of figure sketching and drawing human figures. CO3: Understanding the basic embroidery stitches CO4: Students will develop an approach through ideation CO5: Students will gain knowledge about different themes required in the field of fashion.		
TEXT BOOK:			
Leatrice Eiseman: “ The Complete Color Harmony ”, Rockport Publishers , 4th Edition, 2017,			
Elisabetta Drudi: Figure Drawing For Fashion, 1 st Edition, Pepin Press, 2002.			
REFERENCES:			
Ocvirk, Otto: “Art Fundamentals: Theory And Practice”, Mcgraw-hill education,5th Edition, 2009.			
Mary Garthe: “Fashion And Color”, Rockport pub, 1st Edition, 2005.			

CO/PO Mapping
 (S/M/W indicates strength of correlation)
 S-Strong, M-Medium, L-Low

	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO 3	PSO4
CO1	M	L	L	L	M	L	L	L	L	M	L	L	L
CO2	S	M	M	L	M	L	L	L	L	S	M	M	M
CO3	M	L	L	L	M	M	L	L	L	M	M	M	L
CO4	M	S	M	M	S	M	L	L	L	S	M	M	M
CO5	M	M	M	L	S	M	L	L	L	S	M	M	M



BACHELOR OF SCIENCE FASHION DESIGN
(Programme Code: 50SDIUG02)
SYLLABUS

II Semester

Course code	Course Name	Hours/week			Credit	Max. Marks
25BFD012C08	Basic pattern making and garment construction	L	T	P	C	100
		0	0	4	2	
Pre-requisite	NA					
Evaluation Scheme	Practical0				Hours	Marks
	External (End Semester Exam)				3	40
	Internal Internal Practical - 40 Marks Continuous Assessment - 20 Marks					60
Objective(s)	<ul style="list-style-type: none"> • To develop the ability to create designs through flat pattern method. • To develop an understanding about the development and use of commercial paper pattern. • To improve their skill of effectively incorporating the art of darts and its manipulation in developing patterns. • To acquaint students with the knowledge of different style lines. • To develop the capability and skills of creating the patterns for designer wear with dart manipulation techniques. 					
Practical	Topic to be Covered				Hours	Course Outcome addressed
Practical-I	Basic Pattern making and construction of basic bodice				10	C01
Dart Manipulation – Using Slash and Spread technique and Pivotal Transfer technique (Single dart series – Mid shoulder dart, Center front dart, French dart, mid armhole dart and bust dart. Prepare test fit on muslin						
Practical-II	Basic Pattern making and construction of sleeves and any 4 types				10	C02
Sleeve: puff gathered top and bottom, bell sleeve, bishop sleeve, Cape sleeve, raglan sleeve, kimono sleeve Prepare test fit on muslin						

Practical-III	Basic Pattern making and construction of COLLARS & YOKE	10	C03
Types of collars- Collar – Basic shirt collar. Flat collars: Peter pan, Rolled & Straight Collars. Exaggerated Collars, Shirt Yoke its types. Prepare test fit on muslin			
Practical-IV	Basic Pattern making and construction of PLACKET	10	C03
Plackets French, visible placket (American) , covered placket fly front Prepare test fit on muslin			
Practical-V	Basic Pattern making and construction of SKIRTS	10	C04
A line flared skirt, Godet skirt (4 godets or 6 godets), Gore skirt (8 or 12 gore) Circular skirt (full circular skirt) Prepare test fit on muslin			
Practical-VI	GARMENT DEVELOPMENT	10	C05
Basic Torso foundation development or dress, top women /men wear, prepare test fit on muslin			
Total hours		60 Hour / Periods	
Skill Attained	These practical sessions focus on mastering garment construction skills such as dart manipulation, sleeve and collar designs, placket assembly, creating various skirt styles, and foundational garment development. These exercises provide hands-on experience in pattern making and sewing techniques, essential for understanding and applying principles in apparel design and construction.		
Outcome(s)	At the end of the course, the students will be able to: CO1: To impart skills in basic techniques of pattern making CO2: To make the variations of basic pattern sets using pattern making techniques CO3: To impart knowledge on industrial method of pattern making, grading and marker planning CO4: Students will be able to develop pattern for adults. CO5: Students will develop the capability and skills of creating the patterns for designer wear with dart manipulation techniques.		
TEXT BOOK:			
1.	Patternmaking for fashion design" by helen joseph armstrong, 6th edition published by pearson, 2019.		
2.	Ida riley duncan: pattern drafting and foundation and flat pattern design - a dressmaker's guide, 9 th edition, abhishek publications, 2014.		

REFERENCES:

1.	Norman. Hollen: "pattern making by the flat-pattern method", macmillan usa, 7 th edition, 2005.
2.	Fitting and pattern alteration: a multi-method approach" by elizabeth liechty, judith rasband, and della pottberg, 3rd edition published by bloomsbury visual arts, 2016.

CO/PO Mapping
(S/M/W indicates strength of correlation)
S-Strong, M-Medium, L-Low

	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO 3	PSO4
CO1	S	M	M	L	S	L	L	L	M	S	M	M	M
CO2	S	M	M	M	S	M	L	L	M	S	M	M	M
CO3	S	M	S	M	S	M	L	L	M	S	S	M	M
CO4	S	L	M	L	M	L	L	L	M	S	M	M	M
CO5	S	M	M	M	S	M	L	L	M	S	M	S	M



BACHELOR OF SCIENCE FASHION DESIGN
(Programme Code: 50SDIUG02)
SYLLABUS

II Semester

Course code	Course Name	Hours/week			Credit	Max. Marks
		L	T	P		
25BFD012E01	FABRIC CONSTRUCTION-I	L	T	P	C	100
		2	0	0	2	
Pre-requisite	NA					
Evaluation Scheme	Theory				Hours	Marks
	External (End Semester Exam)				3	60
	Internal					40
	Midterm Examination - 15 marks					
	Presentation - 5 marks					
	Attendance - 5 marks					
	Assignment - 5 marks					
Quiz/ Test - 5 marks						
Teacher Assessment - 5 marks						
Objective(s)	<ul style="list-style-type: none"> • To describe briefly the methods of fabric construction • To explain the process of weaving and knitting. • To describe types of basic weaves. • To distinguish between woven and knitted fabrics. • To enhance awareness of innovations in fabrics for specific 					
Unit	Topic to be Covered			Hours	Course Outcome Addressed	
UNIT-I	INTRODUCTION TO FABRIC STRUCTURES			5	CO1	
Different methods of fabric construction Weaving, Knitting, Non-woven, Braiding, Net, etc Fabrics –Classification, Types, Properties						

UNIT-II	LOOM AND IT'S PARTS	5	CO2
Loom –Classification of looms, Parts of Loom, Passage of warp in a loom. Basic loom mechanisms- Primary motions, Secondary motions, Auxiliary motion			
UNIT-III	HANDLOOMS	5	CO3
Handlooms - Loom Types, Pit Loom, Frame Loom, Vertical Loom, Jacquard Looms, etc Essential features of handloom Fabrics			
UNIT-IV	POWERLOOMS	5	CO4
Power looms - Loom Types, Essential features of Power loom Fabrics; Dobby, Jacquard Special Purposed looms - Circular Looms, Multiphase loom, Magazine loom, Ribbon loom, Needle loom, Swivel loom, Box loom			
UNIT-V	WEAVING AND IT'S CLASSIFICATION	5	CO4
Woven Fabrics - design and structure- Idea of fabric structure, Warp, Weft, Interlacement diagram – Warp way and weft way, Creation of draft, peg plan and tie-up from the weave repeat. Classification of Weaves – Basic/Simple Weaves- Plain Weave, Study of derivative structures of plain – Twill Weave, Classification and derivatives of twill weaves; Satin Weave – Satin & Sateen. Compound/Complex/Novelty Weaves - Dobby Weave, Jacquard Weave, Double Cloth & Double Weave, Pique, Pile Fabrics- Classification, Loop & cut pile; warp & weft pile.			
UNIT-VI	WOVEN FABRICS	5	CO5
Buckram, Cambric, Casement, Cheese Cloth, Chiffon, Chintz, Corduroy, Crepe, Denim, Drill, Flannel, Gabardine, Georgette, Kashmir Silk, Khadi, Lawn, Mulmul, Muslin, Organdy, Poplin, Sheeting, Taffeta, Tissue, Velvet			
Total hours		30 periods	
Skill Attained	Fabric construction techniques Weave structures and construction Creative design skills		
Outcome(s)	At the end of the course, the students will be able to: CO1: To impart knowledge of fabric manufacture and fabric properties. CO2: To enable students to understand fabric structures and to analyse them. CO3: To make the students aware about complete textile manufacturing processes CO4: Students will learn to analyze the performance of fabrics based on their construction and properties CO5: Students will be able to identify different types of fabric weaves, knits, and non- woven structures, and understand how these construction methods impact		

characteristics such as durability, drape, stretch, breathability, and texture.

TEXT BOOK:

1. Bernard P. Corbman : “ Textiles: Fiber To Fabric ”, Mcgraw Hill Education , 6th Edition, 2010,
2. Terry Brackenbury: Knitted Clothing Technology, 1st Edition, John Wiley & Sons , 2014.

REFERENCES:

3. N.N. Banerjee: “Weaving Mechanism”, Textile Book House,1st Edition, 2005.
4. J.T. Marsh: “An Introduction to Textile Finishing”, B.I. Publication PVT. LTD, 1st Edition, 2011.

CO/PO Mapping
(S/M/W indicates strength of correlation)
S-Strong, M-Medium, L-Low

	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO 3	PSO4
CO1	S	M	M	L	S	M	L	L	M	S	M	M	M
CO2	S	M	M	M	S	M	L	L	M	S	M	M	M
CO3	S	S	S	M	S	M	L	L	M	S	S	M	M
CO4	S	M	M	M	S	M	L	L	M	S	M	M	M
CO5	S	M	M	M	S	M	L	L	M	S	M	M	M



BACHELOR OF SCIENCE FASHION DESIGN
(Programme Code: 50SDIUG02)
SYLLABUS

II Semester

Course code	Course Name	Hours/week			Credit	Max. Marks
		L	T	P		
25BFD012E02	FABRIC CONSTRUCTION-I (LAB)	L	T	P	C	100
		0	0	2	1	
Pre-requisite	NA					
Evaluation Scheme	Practical				Hours	Marks
	External (End Semester Exam)				3	40
	Internal Internal Practical - 40 marks Continuous Assessment- 20 marks					60
Objective(s)	<ul style="list-style-type: none"> • To describe briefly the methods of fabric construction • To explain the process of weaving and knitting. • To describe types of basic weaves. • To distinguish between woven and knitted fabrics. • To enhance awareness of innovations in fabrics for specific 					
Practical	Topic to be Covered				Hours	Course Outcome Addressed
PRACTICAL-I	SAMPLE PREPARATION FOR PLAIN WEAVE				5	CO1
Plain weave and it's derivatives- basket, rib, matt						
PRACTICAL-II	SAMPLE PREPARATION FOR TWILL WEAVE				5	CO1
Twill- right hand, left hand, herringbone and its types						
PRACTICAL-III	SAMPLE PREPARATION FOR SATIN WEAVE				5	CO2
Prepare a sample to showcase the structure of Satin weave						
PRACTICAL-IV	SAMPLE PREPARATON FOR SATEEN WEAVE				5	CO3
Prepare a sample to showcase the structure of Sateen weave						

PRACTICAL-V	PRODUCT DEVELOPMENT	5	CO4
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Develop a product by using the different types of weaving techniques and types.

PRACTICAL-VI	FABRIC CONSTRUCTION TECHNIQUES	5	CO5
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Prepare a sample using different techniques like braiding and knotting.

Total hours	30 periods
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Skill Attained	Fabric construction techniques Weave structures and construction Creative design skills
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Outcome(s)	At the end of the course, the students will be able to: CO1: To impart knowledge of fabric manufacture and fabric properties. CO2: To enable students to understand fabric structures and to analyse them. CO3: To make the students aware about complete textile manufacturing processes CO4: Students will learn to analyze the performance of fabrics based on their construction and properties CO5: Students will be able to identify different types of fabric weaves, knits, and non-woven structures, and understand how these construction methods impact characteristics such as durability, drape, stretch, breathability, and texture.
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TEXT BOOK:

1.	Bernard P. Corbman : “ Textiles: Fiber To Fabric ”, Mcgraw Hill Education , 6 th Edition, 2010,
2.	Terry Brackenbury: Knitted Clothing Technology, 1 st Edition, John Wiley & Sons , 2014.

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3.	N.N. Banerjee: “Weaving Mechanism”, Textile Book House,1st Edition, 2005.
4.	J.T. Marsh: “An Introduction to Textile Finishing”, B.I. Publication PVT. LTD, 1 st Edition, 2011.

CO/PO Mapping
 (S/M/W indicates strength of correlation)
 S-Strong, M-Medium, L-Low

	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO 3	PSO4
CO1	S	M	M	L	S	M	L	L	M	S	M	M	M
CO2	S	M	M	M	S	M	L	L	M	S	M	M	M
CO3	S	S	S	M	S	M	L	L	M	S	S	M	M
CO4	S	M	M	M	S	M	L	L	M	S	M	M	M
CO5	S	M	M	M	S	M	L	L	M	S	M	M	M



BACHELOR OF SCIENCE FASHION DESIGN
(Programme Code: 70DODUG02)
SYLLABUS

II Semester

Course code	Course Name	Hours/week			Credit	Max. Marks
23BFD036E02	APPAREL PRODUCTION MANAGEMENT	L	T	P	Cr	100
		3	0	0	3	
Pre-requisite	NA					
Evaluation Scheme	Theory				Hours	Marks
	External (End Semester Exam)				3	60
	Internal					40
	Midterm Examination (MTE) - 15 Marks					
	Presentation - 5 Marks					
Attendance - 5 Marks						
Assignment / Certification - 5 Marks						
Quiz / Surprise Test - 5 Marks						
Teacher Assessment - 5 marks						
Objective(s)	<ul style="list-style-type: none"> To familiarize students with the basic concepts and processes involved in apparel production. To develop the skills needed for effective production planning, scheduling, and resource management. To teach students the methods of cost estimation, budgeting, and profitability analysis in apparel manufacturing. To enable students to implement quality control measures to ensure high production standards. To introduce students to modern apparel production technologies and automation for improving efficiency and reducing costs. 					
Unit	Topic To Be Covered				Hours	Course Outcome addressed
UNIT-I	Introduction to Apparel Production				7	CO1

<p>Overview: Understanding the basics of apparel production, its processes, and key terms.</p> <p>Key Topics:</p> <ul style="list-style-type: none"> • Apparel industry structure and functions • Production flow in garment manufacturing • Types of apparel production (job order, mass production, batch production) 			
UNIT-II	Production Planning and Control	7	CO2
<p>Overview: Learn the importance of planning in apparel production and how to manage operations efficiently.</p> <p>Key Topics:</p> <ul style="list-style-type: none"> • Production planning stages: Pre-production, production, post-production • Techniques for demand forecasting • Scheduling, capacity planning, and resource allocation 			
UNIT-III	Costing and Budgeting in Apparel Production	12	CO3
<p>Overview: Understand the financial aspects of apparel production, including cost management and budgeting.</p> <p>Key Topics: Types of costs in apparel production (direct and indirect costs) Cost estimation methods, Budgeting for production and profitability analysis</p>			
UNIT-IV	Apparel Manufacturing Processes	8	CO4
<p>Overview: Delve into the various stages of garment manufacturing from design to final product.</p> <p>Key Topics:</p> <ul style="list-style-type: none"> • Fabric sourcing and preparation • Pattern making, grading, and marking • Cutting, stitching, and finishing processes 			
UNIT-V	Quality Control in Apparel Production	7	CO4
<p>Overview: Learn the techniques to ensure quality standards are met in every phase of production.</p> <p>Key Topics:</p> <ul style="list-style-type: none"> • Quality control tools and techniques (inspection, testing) • Quality assurance practices in garment manufacturing • Standard operating procedures for maintaining consistent quality 			
UNIT-VI	Apparel Production Technology and Automation	4	CO5
<p>Overview: Explore the role of technology in improving the efficiency and quality of apparel production.</p> <p>Key Topics:</p> <ul style="list-style-type: none"> • Automation in garment manufacturing • Use of CAD/CAM in design and pattern making • Impact of technology on production speed and cost-efficiency 			

	Total hours	45 Hours/ Periods
Skill Attained	Ability to manage and optimize apparel production processes, including planning, cost estimation, quality control, and the use of advanced technologies to improve efficiency and reduce production costs.	
Outcome(s)	<p>At the end of the course,the students will be able to:</p> <p>CO1: Understand the fundamental concepts and processes involved in apparel production and manufacturing systems.</p> <p>CO2: Gain the ability to plan, schedule, and manage production activities effectively to meet deadlines and optimize resources.</p> <p>CO3: Develop skills in cost estimation, budgeting, and financial management within the apparel production environment.</p> <p>CO4: Apply quality control measures to ensure product standards are met throughout the production process.</p> <p>CO5: Understand and utilize modern apparel production technologies, including automation and CAD/CAM systems, to enhance production efficiency.</p>	
TEXT BOOK:		
1.	K. Ashdown: Apparel Production Management and the Environment, Fairchild Publications, 1st Edition, 2010.	
2.	S. J. Heine: Introduction to Apparel Production, Fairchild Books, 3rd Edition, 2012.	
REFERENCES BOOK:		
1.	J. E. Clark: Apparel Manufacturing: Sewn Product Analysis, Prentice Hall, 2nd Edition, 2008.	
2.	S. A. G. Goonetilleke: Manufacturing of Textile Products, Woodhead Publishing, 1st Edition, 2014.	

CO/PO Mapping
(S/M/W indicates strength of correlation)
S-Strong, M-Medium, L-Low

	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO 3	PSO 4
CO1	S	M	M	L	S	M	L	L	M	S	M	M	M
CO2	S	S	S	M	M	S	M	M	S	S	S	M	M
CO3	M	S	S	S	M	S	M	M	S	S	S	M	M
CO4	S	S	M	M	M	S	M	M	S	S	M	M	M
CO5	S	M	M	S	S	M	M	M	S	S	S	S	S

Semester III



BACHELOR OF SCIENCE FASHION DESIGN
(Programme Code: 70D0DUG02)
SYLLABUS

III Semester

Course code	Course Name	Hours/week			Credit	Max. Marks
		L	T	P		
24BFD023C01	FASHION ILLUSTRATION AND DRAPING	0	1	2	2	100
Pre-requisite	NA					
Evaluation Scheme	PRACTICAL				Hours	Marks
	External (End Semester Exam)				3	40
	Internal Internal Practical - 40 Marks Continuous Assessment - 20 Marks					60
Objective(s)	<ul style="list-style-type: none"> • Develop skills in sketching and rendering fashion figures • Learn the properties and behaviors of different fabrics and how they influence draping techniques. • Produce high-quality fashion illustrations suitable for professional portfolios and presentations. • Master draping techniques to create garment prototypes directly on a dress form. • Combine illustration and draping skills to visualize and execute innovative fashion designs from concept to finished product. 					
Practical	Topic To Be Covered				Hours	Course Outcome addressed
PRACTICAL-I	FACIAL FEATURES				8	C01
Hands on practice for facial features such as- eyes, nose, ears, lips						
PRACTICAL -II	BODY PARTS				8	C01
Legs, feet, arms, hands- in movement						

PRACTICAL - III	FEMALE CROQUI	8	C02
Practicing 10 head and 12 head croqui's with fleshing			
PRACTICAL - IV	FEMALE POSES	7	C03
Practicing Female poses with fleshing			
PRACTICAL -V	DESIGNING CASUAL WEAR	7	C04
Casual wear draping's on fleshed croqui's			
PRACTICAL- VI	DESIGNING FORMAL WEAR	7	C05
Formal wear draping's on fleshed croqui's			

Total hours	45 Hours/ Periods
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Skill Attained	Illustration Croqui designing
Outcome(s)	<p>At the end of the course, the students will be able to:</p> <ul style="list-style-type: none"> • Students will be able to create detailed and accurate fashion illustrations, effectively communicating design ideas. • Students will understand the properties of various fabrics and how they impact garment construction and design. • Students will produce a portfolio of high-quality fashion illustrations that demonstrate their design capabilities. • Students will be able to drape fabric on a dress form to create garment prototypes and understand the fundamentals of garment construction. • Students will integrate their illustration and draping skills to develop and execute original fashion designs from concept to final product.

TEXT BOOK:

1.	Leatrice Eiseman: “ The Complete Color Harmony ”, Rockport Publishers , 4th Edition, 2017,
2.	Elisabetta Drudi: Figure Drawing For Fashion, 1 st Edition, Pepin Press, 2002.

REFERENCES:

3.	Ocvirk, Otto: “Art Fundamentals: Theory And Practice”, Mcgraw-hill education, 5th Edition, 2009.
4.	Mary Garthe: “Fashion And Color”, Rockport pub, 1st Edition, 2005.



BACHELOR OF SCIENCE FASHION DESIGN
(Programme Code: 70D0DUG02)
SYLLABUS

III Semester

Course code	Course Name	Hours/week			Credit	Max. Marks
		L	T	P		
24BFD023C02	HISTORY OF WESTERN COSTUMES				C	100
		2	0	0	2	
Pre-requisite	NA					
Evaluation Scheme	Theory				Hours	Marks
	External (End Semester Exam)				3	60
	Internal					40
	Midterm Examination	- 15 marks				
	Presentation	- 5 marks				
	Attendance	- 5 marks				
Assignment	- 5 marks					
Quiz/ Test	- 5 marks					
Teacher Assessment	- 5 marks					
Objective(s)	<ul style="list-style-type: none"> • Analyze the social, political, and economic factors that influenced fashion trends in different historical periods. • Identify and describe key fashion trends and silhouettes from various eras in Western history. • Examine the materials, construction techniques, and technologies used in historical garment creation. • Students are given the opportunity to develop both their observation and description skills from the history, as they are applied to costume, ornamentation and trends • Explore how historical costumes influence contemporary fashion design and trends. 					

Unit	Topic to be Covered	Hours	Course Outcome Addressed
UNIT-I	ANCIENT COSTUMES OF THE WESTERN WORLD-I	5	CO1
Egyptian clothing - Men's and Women's costumes, jewelry, hairstyles and footwear. Greek clothing - Men's and Women's costumes, jewelry, hairstyles and footwear.			
UNIT-II	ANCIENT COSTUMES OF THE WESTERN WORLD-II	5	CO2
Roman and Italic clothing - Men's and Women's costumes, jewelry, hairstyles and footwear.			
UNIT-III	ANCIENT COSTUMES OF THE WESTERN WORLD-III	5	CO2
Byzantine Period - Men's and Women's costumes, jewelry, hairstyles and footwear.			
UNIT-IV	COSTUMES OF THE MEDIEVAL WORLD	5	C03
Renaissance Period - Men's and Women's costumes, jewelry, hairstyles and footwear.			
UNIT-V	COSTUMES OF THE VICTORIAN PERIOD	5	C04
Victorian Period - Men's and Women's costumes, jewelry, hairstyles and footwear.			
UNIT-VI	COSTUMES OF THE MODERN WORLD	5	C05
Fashion – 1900s - Men's and Women's costumes jewelry, hairstyles and footwear. Fashion – 1950s - Men's and Women's costumes, jewelry, hairstyles and footwear. Fashion 00s - Men's and Women's costumes, jewelry, hairstyles and footwear			
Total hours		30 periods	
Skill Attained	Visual Literacy Critical Thinking Contextual understanding		
Outcome(s)	At the end of the course, the students will be able to: CO1: Identify key historical periods and their characteristic fashion elements. CO2: Explain the social and cultural influences on fashion trends throughout Western history. CO3: Illustrate how historical garments and styles can inspire contemporary fashion design. CO4: Compare and contrast fashion trends across different historical periods, noting influences and changes. CO5: Critique the impact of historical fashion on modern design, assessing its relevance and influence.		
TEXT BOOK:			

1.	DK: "Fashion: The Definitive History of Costume and Style" DK Publishing, 1st Edition, 2015.
2.	Phyllis and Marcketti: Survey of Historic Costume, Fairchild Books, 6 th Edition, 2016.
REFERENCES:	
3.	Blanche Payne: "The History of Costume: From the Ancient Mesopotamians through the Twentieth Century", Harper Design, Edition, 2009.
4.	John Peacock: "The Chronicle Of Western Costume", Thames and Hudson , 1 st Edition, 2005.



BACHELOR OF SCIENCE FASHION DESIGN
(Programme Code: 70DODUG02)
SYLLABUS

III Semester

Course code	Course Name	Hours/week			Credit	Max. Marks
		L	T	P		
24BFD023C03	Fabric Construction-II (Knitting)	2	0	0	2	100
Pre-requisite	NA					
Evaluation Scheme	Theory				Hours	Marks
	External (End Semester Exam)				3	60
	Internal					40
	Midterm Examination - 15 marks					
Presentation - 5 marks						
Attendance - 5 marks						
Assignment - 5 marks						
Quiz/ Test - 5 marks						
Teacher Assessment - 5 marks						
Objective(s)	<ul style="list-style-type: none"> • To introduce the fundamental concepts of knitting and distinguish it from other fabric construction methods. • To familiarize students with various knitting tools, techniques, and terminology. • To develop practical skills in both hand knitting and basic machine knitting operations. • To explore different types of knitted fabric structures and their applications in fashion and technical textiles. • To encourage creativity and experimentation through the development of knitted fabric samples and accessories. 					

Unit	Topic to be Covered	Hours	Course Outcome Addressed
UNIT-I	Introduction to Knitting	5	CO1
<ul style="list-style-type: none"> • Definition and history of knitting • Difference between knitting and weaving • Advantages and limitations of knitting • Classification of knitting: Weft and Warp knitting 			
UNIT-II	Basic Knitting Terminology & Tools	5	CO2
<ul style="list-style-type: none"> • Knit, purl, tuck, miss, float stitches • Course, wale, stitch density, gauge • Yarn requirements for knitting • Knitting tools and accessories: needles, looms, frames, etc. 			
UNIT-III	Hand Knitting Techniques	5	CO2
<ul style="list-style-type: none"> • Casting on and binding off methods • Knit and purl stitches • Basic hand knitting patterns: garter, stockinette, rib, moss • Colorwork: stripes, fair isle, intarsia • Finishing techniques for hand-knitted fabrics 			
UNIT-IV	Machine Knitting Fundamentals	5	C03
<ul style="list-style-type: none"> • Types of knitting machines: flatbed, circular, warp knitting machines • Working principles of single jersey and rib machines • Fabric structures: single jersey, rib, interlock, purl • Machine settings and maintenance basics 			
UNIT-V	Advanced Knitting Structures & Applications	5	C04
<ul style="list-style-type: none"> • Jacquard knitting, pile knitting, and spacer fabrics • Seamless knitting and 3D knitting • Technical textiles made by knitting: medical, automotive, sportswear • Comparison of weft and warp knitted structures 			
UNIT-VI	Practical Applications and Industry Linkage	5	C05
<ul style="list-style-type: none"> • Sample development: single jersey, rib, interlock, jacquard • Quality control in knitted fabrics • Visit to a knitting unit or demonstration • Trend analysis: knitted fashion in contemporary design 			
Total hours		30 periods	
Skill Attained	Knitting Technique Proficiency Fabric Structure Analysis		

	Yarn Behaviour Understanding
Outcome(s)	At the end of the course, the students will be able to: CO1: Understand the basic principles of knitting and compare it with weaving. CO2: Identify and differentiate various types of knits. CO3: Operate hand and basic knitting machines. CO4: Develop creative fabric samples using knit structures. CO5: Understand industrial applications of knitting in fashion and technical textiles.

TEXT BOOK:

1.	Spencer, D. J. – <i>Knitting Technology: A Comprehensive Handbook and Practical Guide</i> , 4th Edition, Woodhead Publishing, 2001.
2.	Ajgaonkar, D. B. – <i>Knitting Technology</i> , Universal Publishing Corporation, 2004.

REFERENCES:

3.	Iyer, C., Mammel, B., & Schach, W. – <i>Circular Knitting: Volume I – Types and Structures of Circular Knitting Machines</i> , Meisenbach Bamberg, 1995.
4.	Lamb, J. – <i>Handknitting Techniques from Threads Magazine</i> , Taunton Press, 2001.



BACHELOR OF SCIENCE FASHION DESIGN
(Programme Code: 70DODUG02)
SYLLABUS

III Semester

Course code	Course Name	Hours/week			Credit	Max. Marks
		L	T	P		
24BFD023C04	Fabric Construction- II (Lab)	L	T	P	C	100
		0	0	2	1	
Pre-requisite	NA					
Evaluation Scheme	Practical				Hours	Marks
	External (End Semester Exam)				3	40
	Internal Internal Practical - 40 Marks Continuous Assessment - 20 Marks					60
Objective(s)	<ul style="list-style-type: none"> • To acquaint them with different designing software's • To make them understand the importance of CAD in fashion and Garment industry. • Analysing the principles of composition. • Develop the ability to visualize and understand the colour wheel and colour schemes • To understand the psychological impact of colour and types of motifs 					
Practical	Topic to be Covered				Hours	Course Outcome addressed
Practical -I	Plain Knit (Garter Stitch)				5	C01
Sample: Swatch using only knit stitches						
Practical -II	Purl Knit (Reverse Stockinette)				5	C02
Swatch using only purl stitches						

Practical -III	Rib Knit	5	C03
<ul style="list-style-type: none"> • Sample: Rib swatches showing elasticity 			
Practical -IV	Stripes (Color Knitting – Horizontal Color Change)	5	C03
Swatch with alternating colored rows			
Practical -V	Machine Knit on Flat Bed	5	C04
Basic machine-knitted swatches			
Practical -VI	Product Development (Mini Project)	5	C05
<ul style="list-style-type: none"> • Designing and developing a simple knitted product • Example: Scarf, headband, pouch, baby booties, or cushion cover • Application of hand/machine knitting techniques learned 			
Total hours		30 Hour / Periods	
Skill Attained	Digital art Vector art Digitalized Motifs		
Outcome(s)	At the end of the course, the students will be able to: CO1: Develop a basic concept of computers & its structure CO2: Enable students to understand the working of commonly used software and like Adobe Photoshop and CorelDraw, their use in designing. CO3: Create small design using tools in Ms. Paint, Adobe Photoshop and CorelDraw CO4: This course focuses on the usage of Usage of computers in Fashion & Apparel Industry CO5: Students will be able to develop and conceptualize their designs and creations.		
TEXT BOOK:			
Galen Gruman : “ Adobe In Design Cs2 Bible”, John Wiley & Sons, 5th Edition, 15th Reprint, 2014,			
Martyn Thirlway: Writing Software Manuals, 1 st Edition, Prentice Hall, 2014.			
REFERENCES:			
Gary David Bouton: “Coreldraw X7: The Official Guide”, Mcgraw-hill education, 1st Edition, 2014.			



BACHELOR OF SCIENCE FASHION DESIGN
(Programme Code: 70DODUG02)
SYLLABUS

III Semester

Course code	Course Name	Hours/week			Credit	Max. Marks
24BFD023C05	DRAPING FUNDAMENTALS (Lab)	L	T	P	C	100
		0	0	4	2	
Pre-requisite	NA					
Evaluation Scheme	Practical				Hours	Marks
	External (End Semester Exam)				3	40
	Internal Internal Practical - 40 Marks Continuous Assessment - 20 Marks					60
Objective(s)	<ul style="list-style-type: none"> • After the students learn the basic principles of draping, they are taught basic techniques of draping • Master fundamental fabric draping techniques on dress forms. • Develop skills to create basic garment components and patterns. • Achieve proper fit and proportion through draping methods. • Enhance creativity in design and garment construction. • Prepare for advanced fashion design courses or professional opportunities. 					
Practical	Topic to be Covered				Hours	Course Outcome addressed
PRACTICAL-I	INTRODUCTION TO DRAPING				5	C01
Basic draping tools, terminology and principle. Preparation of fabrics Preparation of dress form						
PRACTICAL-II	DRAPING OF STYLE LINE				10	C01
Fabric for draping – making and truing bodice variations – princess bodice and variation. Bodice Variation						

basic sleeve			
PRACTICAL-III	DRAPING OF COWL	10	C02
Basic Front and Back Cowl its variation			
PRACTICAL-IV	DRAPING OF SKIRT	15	C03
A-line skirt, flared skirt, Circular skirt, Pleated skirt- knife and box pleats, Skirt with yoke			
PRACTICAL-V	DRAPING OF TORSO	10	C04
Draping techniques for bodices and tops Creating fitted and structured bodice variations Understanding and manipulating dart placement			
PRACTICAL-VI	DRAPING OF FINAL GARMENT	10	C05
Design and construct a final garment applying the draping method			
Total hours		60 Hour / Periods	
Skill Attained	Mastering essential tools, fabric preparation, bodice variations, cowls, skirts (A-line, flared, circular, pleated), and torso draping. Designing a final garment solidified in applying draping techniques creatively for fashion design.		
Outcome(s)	<p>At the end of the course, the students will be able to:</p> <p>CO1: Learn fabric draping techniques on dress forms. CO2: Create and develop patterns from draped designs CO3: To translate an endless variety of ideas by applying the principles of draping. CO4: To transform a sketch or a mental picture give the three-dimensional form to an idea for a garment with the help of a dress form. CO5: Utilize various tools and equipment for pattern creation and fit evaluation.</p>		
TEXT BOOK:			
1.	"Draping: The Complete Course" by Karolyn Kiisel (2013)		
2.	"Draping: The Complete Guide to Draping Techniques for Beginners to Advanced" by Susan Khalje (2003)		
REFERENCES:			
1.	The Art of Fashion Draping by Connie Crawford (Author) Publisher: OM Book Service		
2.	Oevirk, Otto: "Art Fundamentals: Theory And Practice", Mcgraw-hill education ,5th Edition, 2009.		



BACHELOR OF SCIENCE FASHION DESIGN
(Programme Code: 70DODUG02)
SYLLABUS

III Semester

Course code	Course Name	Hours/week			Credit	Max. Marks
		L	T	P		
24BFD023C06	FASHION MARKETING AND RETAILING	2	0	0	2	100
Pre-requisite	NA					
Evaluation Scheme	Theory				Hours	Marks
	External (End Semester Exam)				3	60
	Internal					
	Midterm Examination (MTE) - 15 Marks Presentation - 5 Marks Attendance - 5 Marks Assignment / Certification - 5 Marks Quiz / Surprise Test - 5 Marks Teacher Assessment - 5 marks					40
Objective(s)	<ul style="list-style-type: none"> • Understand and apply foundational marketing principles specific to the fashion industry. • Examine the psychological, social, and cultural influences on fashion consumer behavior. • Create strategies for building and maintaining strong fashion brands. • Gain expertise in operational aspects of fashion retailing to optimize sales and enhance the in-store experience. • Utilize digital tools for marketing and integrate sustainable practices into fashion strategies. 					

Unit	Topic To Be Covered	Hours	Course Outcome addressed
UNIT-I	MARKETING	5	C01
Introduction to Marketing, Definition, Fashion Marketing Concepts Marketing Mix – Product, Price, Place, and Promotion Marketing research and planning – Qualitative, Quantitative, Primary research, Secondary research, Marketing research methods, SWOT analysis			
UNIT-II	CUSTOMER SEGMENTATION	5	C01
Demographic segmentation, Psychographic segmentation, Consumer buying behaviour			
UNIT-III	FASHION RETAILING	5	C02
History, scope, importance, types (domestic and international), techniques, channel of distribution, franchisee, retail merchandiser, concept, quick response, just-in-time, merchandiser calendar, trend analysis, forecast analysis, concepts of apparel product line, planning, directing, lead time coordinating and controlling.			
UNIT-IV	BRAND AND FASHION PROMOTION	5	C03
Brand definition, Brand Name, Brand Licensing, Trade Mark, Brand Canvas, Types of brand, and Brand licence Promotional Mix -Fashion Press, Types of Fashion Shows, Window display, Visual Merchandising. Fashion Advertising, Sales Promotion, and Fashion Publicity.			
UNIT-V	FASHION MERCHANDISING	5	C04
Definition of merchandising and related terminologies (CMT, converters, customer profile, GSM, lead time, mark up, mark down, range planning, QC, sub-contractor, vendor), Functions of various departments, Role and duties of a merchandiser, specification sheet, execution of route card, sampling – types of samples, role of fashion buyer.			
UNIT-VI	SUSTAINABILITY AND GLOBAL MARKETS	5	C05
Sustainable fashion practices and global market strategies			
Total hours		30 Hours/ Periods	
Skill Attained	Merchandising Brand Development Retailing		
Outcome(s)	At the end of the course, the students will be able to: CO1: Analyze and predict consumer behavior to make informed marketing and retail decisions CO2: Apply advanced retail management techniques to enhance store performance and customer satisfaction.		

	<p>CO3: Utilize digital marketing tools and platforms to reach and engage fashion consumers.</p> <p>CO4: Create and execute promotional campaigns that effectively communicate brand messages</p> <p>CO5: Advocate for and integrate sustainable practices in fashion marketing and retailing.</p>
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TEXT BOOK:

1.	ELLEN DIAMOND: “FASHION RETAILING:A MULTI CHANNEL APPROACH”, Fairchild Books, 3 rd Edition
2.	JAMES CLARK: “FASHION MERCHANDISING”, 2 nd Edition, Red Globe Press.

REFERENCES:

3.	PHILIP KOTLER: “MARKETING MANAGEMENT”, Pearson Education,16 th Edition.
	PHILIP KOTLER: “PRINCIPLES OF MARKETING”, Pearson Education,17 th Edition.



BACHELOR OF SCIENCE FASHION DESIGN
(Programme Code: 70DODUG02)
SYLLABUS

III Semester

Course code	Course Name	Hours/week			Credit	Max. Marks
24BFD023C07	CLOTHING CONSTRUCTION (FEMALE)	L	T	P	C	100
		0	0	4	2	
Pre-requisite	NA					
Evaluation Scheme	Practical				Hours	Marks
	External (End Semester Exam)				3	40
	Internal Internal Practical - 40 Marks Continuous Assessment - 20 Marks					60
Objective(s)	<ul style="list-style-type: none"> • After the students learn the basic principles of draping, they are taught basic techniques of draping • Master fundamental fabric draping techniques on dress forms. • Develop skills to create basic garment components and patterns. • Achieve proper fit and proportion through draping methods. • Enhance creativity in design and garment construction. • Prepare for advanced fashion design courses or professional opportunities. 					
Practical	Topic to be Covered				Hours	Course Outcome addressed
PRACTICAL-I	MAXI DRESS CONSTRUCTION				10	C01
Prepare Maxi Dress including making of pattern, layout along with final construction and sewing						

PRACTICAL-II	EMPIRE WAIST DRESS CONSTRUCTION	10	C01
Prepare Empire Waist Dress including making of pattern, layout along with final construction and sewing			
PRACTICAL-III	PRINCESS LINE DRESS CONSTRUCTION	10	C02
Prepare Princess Line including making of pattern, layout along with final construction and sewing			
PRACTICAL-IV	CO-ORD SET WOVEN CONSTRUCTION	10	C03
Prepare co-ord set woven including making of pattern, layout along with final construction and sewing			
PRACTICAL-V	CO-ORD SET KNITTED CONSTRUCTION	10	C04
Prepare co-ord set knitted dress including making of pattern, layout along with final construction and sewing			
PRACTICAL-VI	DENIM OUTFIT CONSTRUCTION	10	C05
Prepare denim outfit including making of pattern, layout along with final construction and sewing			
Total hours		60 Hour / Periods	
Skill Attained	Constructing various types of dresses like the Maxi Dress, Empire Waist Dress, Frock Dress, Princess Line Dress, and Basic Gown develops essential fashion design skills. These include pattern making, fabric layout, and precise sewing techniques tailored to each style.		
Outcome(s)	<p>At the end of the course, the students will be able to:</p> <p>CO1: Demonstrate proficiency in pattern making and construction techniques for various dress types.</p> <p>CO2: Efficiently plan and execute fabric layout for optimal material usage.</p> <p>CO3: Execute precise garment construction with advanced sewing techniques.</p> <p>CO4: Assess and ensure quality control in finished garments.</p> <p>CO5: Present professionally finished garments meeting industry standards.</p>		
TEXT BOOK:			
1.	"Professional Sewing Techniques for Designers" by Julie Cole and Sharon Czachor , Fairchild Books 2nd Edition, 2011		
2.	"Patternmaking for Fashion Design" by Helen Joseph Armstrong, Pearson Education, Latest edition		

REFERENCES:	
1.	"The Fashion Designer's Textile Directory" by Gail Baugh Publisher: Thames & Hudson Edition: 2nd Edition, 2011
2.	Metric Pattern Cutting for Women's Wear" by Winifred Aldrich Publisher: Wiley-Blackwell Edition: 6th Edition, 2016



BACHELOR OF SCIENCE FASHION DESIGN
(Programme Code: 70DODUG02)
SYLLABUS

III Semester

Course code	Course Name	Hours/week			Credit	Max. Marks
		L	T	P		
24BFD023E01	DYEING AND PRINTING				C	100
		3	0	0	3	
Pre-requisite	NA					
Evaluation Scheme	Theory				Hours	Marks
	External (End Semester Exam)				3	60
	Internal					40
	Midterm Examination	- 15 marks				
	Presentation	- 5 marks				
Attendance	- 5 marks					
Assignment	- 5 marks					
Quiz/ Test	- 5 marks					
Teacher Assessment	- 5 marks					
Objective(s)	<ul style="list-style-type: none"> Identify various dyeing techniques and their applications in the fashion industry. Identify and describe different printing methods used in textile design. Analyze the suitability of different fabrics for specific dyeing and printing methods. Students are given the opportunity to develop unique designs by applying learned dyeing and printing techniques. 					

	<ul style="list-style-type: none"> To evaluate the environmental impact of dyeing and printing processes and explore sustainable alternatives. 		
Unit	Topic to be Covered	Hours	Course Outcome Addressed
UNIT-I	TEXTILE WET PROCESSING	7	CO1
<p>Introduction to the preparatory processes of dyeing for cotton – Singeing, desizing, scouring, bleaching, mercerization. Definition of color, dyes, pigment Classification of dyes Stages of dyeing – Fiber, yarn , fabric and garment</p>			
UNIT-II	NATURAL DYEING PROCESS	7	CO2
<p>Introduction to the classification of dyes, Natural dyes; principles, Natural– Animal, Plant and Mineral Sources and Mordants. fabric processing machines.</p>			
UNIT-III	SYNTHETIC DYEING PROCESS	7	CO3
<p>Types of dyeing techniques Stages involved in dyeing process, principle of application of direct, reactive, vat, acid, disperse</p>			
UNIT-IV	PRINTING TECHNIQUES AND METHODS	8	CO4
<p>Introduction, classification. Styles of printing - Direct, resist and discharge, after treatments for printed goods. Method of printing - Block, screen, transfer and digital.</p>			
UNIT-V	MODERN PRINTING	8	CO4
<p>Modern methods – Roller Printing, Transfer Printing, Digital Printing, Ink Jet Printing, Lazer printing and Emboss Printing.</p>			
UNIT-VI	DYEING AND PRINTING DEFECTS	8	CO5
<p>Dyeing and Printing defects, dyeing and printing faults, assessment of fastness properties of dyed and printed goods, garment dyeing and washing</p>			
Total hours		45 periods	
Skill Attained	<p>Technical Dyeing skills Color theory and application Creative design skills</p>		
Outcome(s)	<p>At the end of the course, the students will be able to:</p>		

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| | CO1: Identify various dyeing and printing techniques used in textile design.
CO2: Explain the chemical processes involved in different dyeing methods.
CO3: To introduce students to various chemicals, dyes and auxiliaries used for chemical processing
CO4: To impart the knowledge of textile colouring and various printing methods
CO5: To bring an awareness on the industrial techniques of dyeing and printing. |
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TEXT BOOK:

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| 1. | Kate Wells: "Fabric Dyeing And Printing" Interweave Press Inc, 1 st Edition. |
| 2. | J.L.Smith: Textile Processing Printing Dyeing Finishing, Abhishek Publications, 9 th Edition, 2016. |

REFERENCES:

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| 3. | Asim Kumar and Roy Choudhury: "Principles Of Textile Finishing", Woodhead Publishing, 1 st Edition, 2009. |
| 4. | M. Clark: "Handbook of Textile and Industrial Dyeing", Woodhead Publishing, 1 st Edition, 2011. |



BACHELOR OF SCIENCE FASHION DESIGN
(Programme Code: 70DODUG02)
SYLLABUS

III Semester

Course code	Course Name	Hours/week			Credit	Max. Marks
		L	T	P		
24BFD023E02	Textile Science and Care	L	T	P	C	100
		3	0	0	3	
Pre-requisite	NA					
Evaluation Scheme	Theory				Hours	Marks
	External (End Semester Exam)				3	60
	Internal					40
	Midterm Examination - 15 marks					
	Presentation - 5 marks					
	Attendance - 5 marks					
Assignment - 5 marks						
Quiz/ Test - 5 marks						
Teacher Assessment - 5 marks						
Objective(s)	<ul style="list-style-type: none"> • To impart foundational knowledge of textile fibers, yarns, fabric properties, and their behavior during use and care. • To develop an understanding of the physical and chemical characteristics of fibers and fabrics. • To educate students on appropriate cleaning methods, fabric finishes, and care labeling. • To promote the importance of textile maintenance for prolonged usage and sustainability. • To prepare students for making informed decisions in fabric selection, usage, and aftercare in fashion and textile products. 					

Unit	Topic to be Covered	Hours	Course Outcome Addressed
UNIT-I	Introduction to Textile Fibers	5	CO1
<ul style="list-style-type: none"> • Classification: Natural and man-made fibers • Origin and source of fibers • Physical and chemical properties • Identification tests for textile fibers 			
UNIT-II	Yarn Science	8	CO2
<ul style="list-style-type: none"> • Yarn formation techniques: spun, filament, core-spun, textured yarns • Yarn count, twist, and ply • Yarn properties and their impact on fabric behavior • Blended yarns and their advantages 			
UNIT-III	Fabric Construction and Properties	12	CO2
<ul style="list-style-type: none"> • Methods: weaving, knitting, non-woven, felting, and bonding • Basic fabric structures and their identification • Fabric performance characteristics: durability, drape, elasticity, absorbency 			
UNIT-IV	Fabric Finishes	8	C03
<ul style="list-style-type: none"> • Mechanical finishes: calendaring, shearing, brushing • Chemical finishes: wrinkle resistance, flame retardant, water repellent • Functional finishes and their application in fashion textiles • Sustainable and eco-friendly finishes 			
UNIT-V	Fabric Care and Laundering	7	C04
<ul style="list-style-type: none"> • Cleaning agents: soaps, detergents, and enzymes • Laundry equipment and methods: hand wash, machine wash, dry cleaning • Water quality and its effect on washing • Stain types and stain removal techniques 			
UNIT-VI	Care Labels and Storage	5	C05
<ul style="list-style-type: none"> • Care labeling symbols and international standards (ISO, GINETEX) • Interpretation and usage of care labels • Fabric storage methods for different materials • Preventing damage from light, insects, and moisture 			
Total hours		45 periods	
Skill Attained	<ul style="list-style-type: none"> Fiber and Yarn Identification Fabric Analysis Application of Textile Finishes Care Label Interpretation 		

Outcome(s)	<p>At the end of the course, the students will be able to:</p> <p>CO1: Identify and classify textile fibers based on their properties and origin. CO2: Understand yarn formation, yarn types, and their impact on fabric performance. CO3: Analyze the behavior of different fabrics under various conditions. CO4: Apply knowledge of fabric care, laundering, and stain removal techniques. CO5: Interpret care labels and recommend suitable cleaning and maintenance procedures.</p>
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TEXT BOOK:

1.	Corbman, B.P. – <i>Textiles: Fiber to Fabric</i> , 6th Edition, McGraw Hill Education, 2010.
2.	Joseph, M. – <i>Essentials of Textiles</i> , 4th Edition, Wadsworth Publishing Co., 2014.

REFERENCES:

3.	Kadolph Sara,J : “ Textiles ”, Pearson ,12 th Edition, 2012.
4.	E. P. G. Gohl.& L. D. Vilensky : “ Textile Science ”, CBSE, Delhi, 2 nd Edition, 2005.

Semester IV



BACHELOR OF SCIENCE FASHION DESIGN
(Programme Code: 70DODUG02)
SYLLABUS

IV Semester

Course code	Course Name	Hours/week			Credit	Max. Marks
		L	T	P		
24BFD024C01	CLOTHING CONSTRUCTION MALE	L	T	P	C	100
		0	0	4	2	
Pre-requisite	NA					
Evaluation Scheme	Practical				Hours	Marks
	External (End Semester Exam)				3	40
	Internal Internal Practical - 40 Marks Continuous Assessment - 20 Marks					60
Objective(s)	<ul style="list-style-type: none"> To teach various design and construction techniques for men's formal and casual shirts. To equip students with the skills to draft and sew men's vests (waistcoats) with proper finishing. To provide knowledge and skills for deconstructing and reconstructing shirts creatively. To inspire innovation in tailoring men's trousers with professional finishes. To train students in constructing casual joggers and trousers with comfort and style. 					
Practical	Topic to be Covered				Hours	Course Outcome addressed
PRACTICAL-I	CASUAL T-SHIRT				10	C01
Drafting and sewing a T- shirt: collar, cuff, placket, pocket, clean finishing, and fitting.						

PRACTICAL- II	CASUAL WEAR CARGO	10	C01
Construction of Cargo: comfort fit, welt pockets, zipper fly, casual waistband construction.			
PRACTICAL- III	BASIC MEN'S FORMAL SHIRT	10	C02
Drafting and sewing a classic formal shirt: collar, cuff, placket, pocket, clean finishing, and fitting.			
PRACTICAL- IV	MENS TROUSER FORMAL	10	C03
Making formal trousers with fly front, waistband, pleats/flat front options, and professional finishing.			
PRACTICAL- V	MEN'S ETHNIC WEAR (KURTA PYJAMA	10	C04
Making ethnic wear with design, waistband, pleats/flat front options, and professional finishing.			
PRACTICAL- VI	MEN'S INDO WESTERN WEAR	10	C05
Construction of indo-western wear: comfort fit, welt pockets, zipper fly, casual waistband construction.			
Total hours		60 Hour / Periods	
Skill Attained	Students will master the design and construction of both formal and casual men's shirts, create men's vests with professional finishes, and enhance creativity through deconstructing and reconstructing shirts. They will also develop advanced tailoring skills for men's trousers and gain expertise in designing casual joggers and trousers for comfort and style.		
Outcome(s)	<p>At the end of the course, the students will be able to:</p> <p>CO1: Proficiency in drafting and constructing basic men's formal shirts/T-shirts. CO2: Skills in designing and sewing casual men's shirts with relaxed detailing. CO3: Expertise in making formal men's vests with clean finishing and proper fitting. CO4: Creativity enhancement through construction and innovative shirt construction. CO5: Competence in tailoring formal men's trousers with professional standards.</p>		
TEXT BOOK:			
1.	Patternmaking for fashion design" by helen joseph armstrong, 6th edition published by pearson, 2019.		
2.	Ida riley duncan: pattern drafting and foundation and flat pattern design - a dressmaker's guide, 9 th edition, abhishek publications, 2014.		
REFERENCES:			

1.	Norma r. Hollen: "pattern making by the flat-pattern method", macmillan usa ,7 th edition, 2005.
2.	Fitting and pattern alteration: a multi-method approach" by elizabeth liechty, judith rasband, and della pottberg, 3rd edition published by bloomsbury visual arts, 2016.



BACHELOR OF SCIENCE FASHION DESIGN
(Programme Code: 70DODUG02)
SYLLABUS

IV Semester

Course code	Course Name	Hours/week			Credit	Max. Marks
		L	T	P		
24BFD024C02	COMPUTER AIDED DESIGN (CAD) - III	L	T	P	C	100
		0	0	4	2	
Pre-requisite	NA					
Evaluation Scheme	Practical				Hours	Marks
	External (End Semester Exam)				3	40
	Internal Internal Practical - 40 Marks Continuous Assessment - 20 Marks					60
Objective(s)	<ul style="list-style-type: none"> To acquaint them with different designing software's To make them understand the importance of CAD in fashion and Garment industry Analyzing the principles of composition. Develop the ability to visualize and understand the colour wheel and colour schemes To understand the psychological impact of colour and types of motifs 					
Practical	Topic to be Covered				Hours	Course Outcome addressed
PRACTICAL-I	DEVELOPMENT OF CROQUIE- FEMALE				10	C01
Sketching of digital block and flesh figures (Female, all poses)						

PRACTICAL-II	DEVELOPMENT OF CROQUIE- MALE	10	C02
Sketching of digital block and flesh figures (Male, all poses)			
PRACTICAL-III	FABRIC RENDERING	10	C03
Rendering of different type of fabrics - sheer, thick, velvet, leather etc			
PRACTICAL-IV	DRAPINGS	10	C03
Rendering of different garments on the croquie with emphasis on the fabric texture, patterns, embroidery effects, color and style details.			
PRACTICAL-V	THEME BASED STORY BOARDING-FEMALE	10	C04
Develop a story board using any theme Develop a pattern using the same Design various garments on the same			
PRACTICAL-VI	THEME BASED STORY BOARDING-MALE	10	C05
Develop a story board using any theme Develop a pattern using the same Design various garments on the same			
Total hours		60 Hour / Periods	
Skill Attained	Digital Fashion Art Designing Digital Illustration		
Outcome(s)	At the end of the course, the students will be able to: CO1: To enable students to gain knowledge of figure sketching and drawing. CO2: To gain knowledge of various fashion details. CO3: To acquaint students with knowledge of CAD based application in fashion designing with CorelDraw CO4: Students will gain hands-on experience in designing garments, patterns, and prints using CAD tools, enabling them to translate their creative ideas into digital format with precision and clarity. CO5: The students will be equipped with essential CAD software skills, allowing them to create and communicate fashion designs digitally, enhancing their employability and positioning.		
TEXT BOOK:			
Galen Gruman : “ Adobe In Design Cs2 Bible”, John Wiley & Sons, 5th Edition, 15th Reprint, 2014,			
Martyn Thirlway: Writing Software Manuals, 1 st Edition, Prentice Hall, 2014.			
REFERENCES:			

Gary David Bouton: "Coreldraw X7: The Official Guide", Mcgraw-hill education, 1st Edition, 2014.



BACHELOR OF SCIENCE FASHION DESIGN
(Programme Code: 70DODUG02)
SYLLABUS

IV Semester

Course code	Course Name	Hours/week			Credit	Max. Marks
		L	T	P	C	
24BFD024C03	TRADITIONAL TEXTILES	2	0	0	2	100
Pre-requisite	NA					
Evaluation Scheme	Theory				Hours	Marks
	External (End Semester Exam)				3	60
	Internal					
	Midterm Examination (MTE) - 15 Marks Presentation - 5 Marks Attendance - 5 Marks Assignment / Certification - 5 Marks Quiz / Surprise Test - 5 Marks Teacher Assessment - 5 marks					40
Objective(s)	<ul style="list-style-type: none"> • Explore the historical and cultural importance of traditional textiles from various regions. • Learn about the natural fibers, dyes, and techniques used in traditional textile production. • Develop an appreciation for the design elements and aesthetics unique to traditional textiles. 					

	<ul style="list-style-type: none"> Understand the methods and importance of preserving traditional textiles and promoting sustainable practices. Investigate how traditional textile techniques are adapted and integrated into modern fashion and design. 		
Unit	Topic To Be Covered	Hours	Course Outcome addressed
UNIT-I	EMBROIDERED TEXTILES	5	
Embroidered Textiles of India- Kashida, Phulkari, Kantha, Chamba rumal, Embroidery of Gujrat, Chikankari, Parsi Embroidery, Phool patti ka kaam, Zardozi, Kasuti, Lambadi Embroidery, Sujani, Pipli Applique			
UNIT-II	RESIST DYEING TECHNIQUE- I	5	
Bandhini- Bandhini of Gujrat and Bandhini & lehariya of Rajasthan Batik Dyeing			
UNIT-III	RESIST DYEING TECHNIQUE- II	5	
Ikat of Gujrat Ikat of Odisha Ikat of Andhra Pradesh			
UNIT-IV	PRINTED TEXTILES	5	
Bagru prints from Rajasthan Sanganer prints from Rajasthan Kalamkari from Andhra Pradesh			
UNIT-V	HAND-WOVEN TEXTILES	5	
Saris -Banaras Brocades, Baluchari Saris, Jamdani Saris, Paithani Saris, Kanjeevaram Saris, Chanderi Saris, Maheshwari Saris Shawls- Kashmir Shawls, Kullu & Kinnaur Shawls , Wraps of North-east			
UNIT-VI	FLOOR COVERINGS	5	
Carpets, Durries & Rugs of different states			
Total hours		30 Hours/ Periods	
Skill Attained	Learning the culture and heritage of India Traditional textiles Printed textiles		
Outcome(s)	At the end of the course, the students will be able to: CO1: Develop an understanding of the cultural significance of traditional textiles. CO2: Acquire proficiency in traditional textile techniques.		

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| | CO3: Appreciate and apply traditional textile aesthetics in design.
CO4: Understand the importance of preserving and sustainably producing traditional textiles.
CO5: Adapt traditional textile techniques to contemporary fashion and design contexts. |
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TEXT BOOK:

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| 1. | JOHN GILLOW: "TRADITIONAL INDIAN TEXTILES", Thames & Hudson Ltd. |
| 2. | JOHN GILLOW: "INDIAN TEXTILES", 1 st Edition, Om Books. |

REFERENCES:

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| 3. | RTA KAPUR CHISHTI: "HANDCRAFTED INDIAN TEXTILES", Lustre, 1st Edition. |
| 4. | JOHN GUY: "INDIAN TEXTILES", Prestel , 1st Edition. |



BACHELOR OF SCIENCE FASHION DESIGN
(Programme Code: 70DODUG02)
SYLLABUS

IV Semester

Course code	Course Name	Hours/week			Credit	Max. Marks
		L	T	P		
24BFD024C04	TRADITIONAL TEXTILES- LAB	0	0	4	2	100
Pre-requisite	NA					
Evaluation Scheme	Practical				Hours	Marks
	External (End Semester Exam)				3	40
	Internal Internal Practical - 40 Marks Continuous Assessment - 20 Marks					60
Objective(s)	<ul style="list-style-type: none"> • Explore the historical and cultural importance of traditional textiles from various regions. • Learn about the natural fibers, dyes, and techniques used in traditional textile production. • Develop an appreciation for the design elements and aesthetics unique to traditional textiles. • Understand the methods and importance of preserving traditional textiles and promoting sustainable practices. • Investigate how traditional textile techniques are adapted and integrated into modern fashion and design. 					

Practical	Topic To Be Covered	Hours	Course Outcome addressed
PRACTICAL-I	EMBROIDERED TEXTILES-I	3	C01
Hands on Practice- different embroideries of India- Kashida, Phulkari, Kantha, Chamba rumal,			
PRACTICAL-II	EMBROIDERED TEXTILES-II	2	C01
Embroidery of Gujrat, Chikankari, Zardozi, Kasuti, Lambadi Embroidery, Sujani, Pipli Applique			
PRACTICAL-III	RESIST DYEING-I	2	C02
Hands on Practice Bandhini- Bandhini of Gujrat and Bandhini & lehariya of Rajasthan			
PRACTICAL-IV	RESIST DYEING-II	3	C03
Batik Dyeing			
PRACTICAL-V	PRINTED TEXTILES	3	C04
Hand Painting the patterns and survey Bagru prints from Rajasthan Sanganer prints from Rajasthan Kalamkari from Andhra Pradesh			
PRACTICAL-VI	DURRIE WEAVING	2	C05
Hands on practice for the art of Durrie Weaving Visit to Durrie weaving cottage industry in Nakoder			
Total hours		15 Hours/ Periods	
Skill Attained	Learning the culture and heritage of India Traditional textiles Printed textiles		
Outcome(s)	At the end of the course, the students will be able to: CO1: Develop an understanding of the cultural significance of traditional textiles. CO2: Acquire proficiency in traditional textile techniques. CO3: Appreciate and apply traditional textile aesthetics in design. CO4: Understand the importance of preserving and sustainably producing traditional textiles.		

	CO5: Adapt traditional textile techniques to contemporary fashion and design contexts.
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TEXT BOOK:

1.	John Gillow: "Traditional Indian Textiles", Thames & Hudson Ltd.
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2.	JOHN GILLOW: "INDIAN TEXTILES", 1 st Edition, Om Books.
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REFERENCES:

3.	RTA KAPUR CHISHTI: "HANDCRAFTED INDIAN TEXTILES", Lustre, 1st Edition.
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4.	JOHN GUY: "INDIAN TEXTILES", Prestel , 1st Edition.
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BACHELOR OF SCIENCE FASHION DESIGN
(Programme Code: 70DODUG02)
SYLLABUS

IV Semester

Course code	Course Name	Hours/week			Credit	Max. Marks
		L	T	P		
24BFD024C05	Fashion Merchandising				C	100
		2	0	0	2	
Pre-requisite	NA					
Evaluation Scheme	Theory				Hours	Marks
	External (End Semester Exam)				3	60
	Internal					40
	Midterm Examination (MTE) - 15 Marks					
Presentation - 5 Marks						
Attendance - 5 Marks						
Assignment / Certification - 5 Marks						
Quiz / Surprise Test - 5 Marks						
Teacher Assessment - 5 marks						
Objective(s)	<ul style="list-style-type: none"> • Explore the historical and cultural importance of traditional textiles from various regions. • Learn about the natural fibers, dyes, and techniques used in traditional textile production. • Develop an appreciation for the design elements and aesthetics unique to traditional textiles. • Understand the methods and importance of preserving traditional textiles and promoting sustainable practices. 					

	<ul style="list-style-type: none"> Investigate how traditional textile techniques are adapted and integrated into modern fashion and design.
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Unit	Topic To Be Covered	Hours	Course Outcome addressed
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UNIT-I	Introduction to Fashion Merchandising	5	
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<ul style="list-style-type: none"> Definition and scope Role of a merchandiser in the fashion industry Fashion cycle and merchandising cycle Key terminology: line, range, assortment, season

UNIT-II	Consumer Behavior and Market Research	5	
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<ul style="list-style-type: none"> Understanding target customers Market segmentation in fashion Fashion forecasting and trend analysis Tools for consumer and market research
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UNIT-III	Merchandise Planning and Assortment	5	
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<ul style="list-style-type: none"> Merchandise planning process Category management and assortment planning Inventory control and stock turnover Seasonal planning and calendar

UNIT-IV	Buying and Sourcing	5	
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<ul style="list-style-type: none"> Types of fashion buyers Domestic vs. international sourcing Vendor evaluation and negotiation techniques Order placement and follow-up

UNIT-V	Retail Formats and Visual Merchandising	5	
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<ul style="list-style-type: none"> Types of retail stores and formats (brick & mortar, online, omnichannel) Store layout, fixtures, and window displays Visual merchandising principles and display techniques Role of planograms and mannequins
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UNIT-VI	Merchandising Math and Promotion	5	
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<ul style="list-style-type: none"> Basic merchandising calculations: cost price, retail price, markup, markdown Open-to-buy (OTB) and inventory planning Branding, advertising, and promotional strategies Impact of merchandising decisions on profitability

	Total hours	30 Hours/ Periods
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Skill Attained	Merchandise Planning
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	Fashion Buying Skills Retail Insight
Outcome(s)	At the end of the course, the students will be able to: CO1: Develop an understanding of the cultural significance of traditional textiles. CO2: Acquire proficiency in traditional textile techniques. CO3: Appreciate and apply traditional textile aesthetics in design. CO4: Understand the importance of preserving and sustainably producing traditional textiles. CO5: Adapt traditional textile techniques to contemporary fashion and design contexts.

TEXT BOOK:

1.	Stone, E. – <i>Fashion Merchandising</i> , 7th Edition, McGraw-Hill, 2013.
2.	Goworek, H. – <i>Fashion Buying</i> , 2nd Edition, Wiley-Blackwell, 2010.

REFERENCES:

3.	Rosenau, J. A., & Wilson, D. L. – <i>Apparel Merchandising: The Line Starts Here</i> , 2nd Edition, Fairchild Books, 2014.
4.	Diamond, E., & Pintel, G. – <i>Retailing in the Twenty-First Century</i> , Prentice Hall, 2008.



BACHELOR OF SCIENCE FASHION DESIGN
(Programme Code: 70DODUG02)
SYLLABUS

IV Semester

Course code	Course Name	Hours/week			Credit	Max. Marks
		L	T	P	C	
24BFD024E01	PHOTOGRAPHY AND STYLING	0	0	6	3	100
Pre-requisite	NA					
Evaluation Scheme	PRACTICAL				Hours	Marks
	External (End Semester Exam)				3	40
	Internal Internal Practical - 40 Marks Continuous Assessment - 20 Marks					60
Objective(s)	<ul style="list-style-type: none"> • Develop technical skills in camera operation, lighting, composition, and post-processing for fashion photography. • Learn the fundamentals of fashion styling, including color theory, accessorizing, and creating cohesive looks. • Produce fashion photoshoots that effectively tell a story and convey a brand's aesthetic. • Work seamlessly with models, makeup artists, and other creative professionals to execute styled photoshoots. • Build a diverse portfolio showcasing a range of fashion photography and styling projects suitable for professional opportunities. 					

Practical	Topic To Be Covered	Hours	Course Outcome addressed
PRACTICAL-I	INTRODUCTION TO PHOTOGRAPHY	15	C01
History of photography Overview of different types of cameras and lenses Understanding camera settings: ISO, shutter speed, aperture			
PRACTICAL -II	UNDERSTANDING EXPOSURE	15	C01
The exposure triangle: ISO, shutter speed, aperture Manual vs. automatic settings Exposure compensation			
PRACTICAL -III	COMPOSITION AND FRAMING	15	C02
Rule of thirds Leading lines, symmetry, and patterns Framing and perspective			
PRACTICAL -IV	LIGHTING	15	C03
Natural vs. artificial light Understanding and using the direction of light Basic lighting setups (key light, fill light, back light)			
PRACTICAL -V	FASHION PHOTOGRAPHY ESSENTIALS	15	C04
Styling for Photography Model Direction and Posing Editorial vs. Commercial Photography Fashion Shoots			
PRACTICAL-VI	PROFESSIONAL PRACTICES IN FASHION PHOTOGRAPHY	15	C05
Building a Portfolio			
Total hours		90 Hours/ Periods	
Skill Attained	Professional Photography Composition and Framing Styling		
Outcome(s)	At the end of the course, the students will be able to: CO1: Students will demonstrate mastery of camera settings, including ISO, aperture, and shutter speed, to achieve desired photographic effects.		

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| | <p>CO2: Students will understand and apply various lighting techniques, both natural and artificial, to enhance the quality of their fashion photographs.</p> <p>CO3: Students will effectively use composition principles, such as the rule of thirds and leading lines, to create visually compelling images.</p> <p>CO4: Students will proficiently use editing software like Adobe Photoshop and Lightroom to retouch and enhance fashion photographs.</p> <p>CO5: Students will build a high-quality portfolio that showcases their fashion photography skills, suitable for professional opportunities in the industry</p> |
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TEXT BOOK:

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| 1. | Understanding Exposure" by Bryan Peterson, published by Amphoto Books |
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REFERENCES:

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| 1. | The Photographer's Eye" by Michael Freeman, published by Focal Press. |
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BACHELOR OF SCIENCE FASHION DESIGN
(Programme Code: 70DODUG02)
SYLLABUS

IV Semester

Course code	Course Name	Hours/week			Credit	Max. Marks
24BFD024E02	Apparel Supply Chain Management	L	T	P	Cr	100
		3	0	0	3	
Pre-requisite	NA					
Evaluation Scheme	Theory				Hours	Marks
	External (End Semester Exam)				3	60
	Internal					40
	Midterm Examination (MTE) - 15 Marks					
	Presentation - 5 Marks					
	Attendance Marks - 5					
	Assignment / Certification Marks - 5					
Quiz / Surprise Test - 5 Marks						
Teacher Assessment - 5 marks						
Objective(s)	<ul style="list-style-type: none"> • To provide a thorough understanding of the apparel supply chain from fiber to fashion retail. • To explore the logistics, sourcing, production, and distribution systems involved in apparel manufacturing. • To develop analytical skills for managing the flow of materials, information, and finance in the apparel value chain. 					

	<ul style="list-style-type: none"> • To examine global trends, sustainability practices, and technology integration in supply chain management. • To prepare students for roles in sourcing, logistics, production planning, and supply chain coordination. 		
Unit	Topic To Be Covered	Hours	Course Outcome addressed
UNIT-I	Introduction to Apparel Supply Chain	6	CO1
	<ul style="list-style-type: none"> • Definition, scope, and importance • Stages of apparel supply chain: fiber to finished garment • Stakeholders and their roles • Vertical and horizontal integration in the apparel industry 		
UNIT-II	Sourcing and Procurement	8	CO2
	<ul style="list-style-type: none"> • Types of sourcing: domestic, offshore, nearshore • Global sourcing strategies and challenges • Vendor selection and management • Legal, ethical, and cultural issues in sourcing 		
UNIT-III	Production Planning and Control	12	CO3
	<ul style="list-style-type: none"> • Capacity planning and lead time management • Cut-make-trim (CMT) vs. full-package manufacturing • Work-in-progress tracking and production scheduling • Quality control in the supply chain 		
UNIT-IV	Logistics and Distribution	7	CO4
	<ul style="list-style-type: none"> • Functions of logistics in apparel supply chains • Warehousing, transportation, and freight handling • Inventory control systems • Distribution channels in fashion retail 		
UNIT-V	Technology in Supply Chain	6	CO4
	<ul style="list-style-type: none"> • Role of ERP, PLM, SCM software in apparel industry • RFID, barcoding, and tracking systems • E-commerce and its influence on the supply chain • Data analytics and forecasting tools 		
UNIT-VI	Sustainability and Risk Management	6	CO5
	<ul style="list-style-type: none"> • Sustainable practices in sourcing and production • Circular supply chain concepts (reuse, recycle, remanufacture) • Risk factors in global supply chains (political, environmental, economic) • Crisis and contingency planning 		
	Total hours	45 Hours/ Periods	
Skill Attained	Technical finishing processes		
Outcome(s)	At the end of the course, the students will be able to: CO1: Understand the structure and components of the apparel supply chain.		

	<p>CO2: Analyze the flow of materials and information from raw materials to retail.</p> <p>CO3: Apply concepts of sourcing, procurement, and vendor management in apparel production.</p> <p>CO4: Understand logistics, warehousing, and inventory control in the fashion industry.</p> <p>CO5: Evaluate the role of technology and sustainability in modern supply chains.</p>
TEXT BOOK:	
1.	Gwynne, R. N. – <i>Global Production: Firms, Contracts and Trade Structure in the Apparel Industry</i> , Routledge, 2008.
2.	Jacob Solinger – <i>Apparel Manufacturing Handbook: Analysis, Principles and Practice</i> , Prentice Hall, 1980.
REFERENCES BOOK:	
1.	Janat Shah – <i>Supply Chain Management: Text and Cases</i> , Pearson Education, 2nd Edition, 2016.
2.	Chopra, S. & Meindl, P. – <i>Supply Chain Management: Strategy, Planning, and Operation</i> , Pearson, 6th Edition, 2015.



BACHELOR OF SCIENCE FASHION DESIGN
(Programme Code: 70DODUG02)
SYLLABUS

IV Semester

Course code	Course Name	Hours/week			Credit	Max. Marks
		L	T	P		
24BFD024E03	TEXTILE FINISHING				Cr	100
		3	0	0		
Pre-requisite	NA					
Evaluation Scheme	Theory				Hours	Marks
	External (End Semester Exam)				3	60
	Internal					40
	Midterm Examination (MTE) - 15 Marks					
	Presentation - 5 Marks					
	Attendance Marks - 5					
Assignment / Certification Marks - 5						
Quiz / Surprise Test - 5 Marks						
Teacher Assessment - 5 marks						
Objective(s)	<ul style="list-style-type: none"> • To learn the purposes and applications of different finishing processes in enhancing the functional and aesthetic properties of textiles. • To study the chemical compounds and mechanical methods used in textile finishing. • To comprehend how different finishes impact the performance, durability, and feel of fabrics. 					

	<ul style="list-style-type: none"> To learn about eco-friendly finishing techniques and regulations governing the use of chemicals in textile finishing. To gain hands-on experience in applying different finishing techniques to various types of textiles. 		
Unit	Topic To Be Covered	Hours	Course Outcome addressed
UNIT-I	INTRODUCTION TO FINISHING PROCESSES	7	CO1
Introduction to the preparatory processes of finishing of textiles, Objectives of textile finishing, Classification of finishes, Finishes for different fibres, Basic finishes: Felting, Singeing, Stiffening, Decatizing.			
UNIT-II	MECHANICAL FINISHING	7	CO2
Classification of Finishes, Dry Mechanical Finishing: Shrinkage, Wrenching, Creeping, Crabbing, Calendaring, Pressing, Perforating, Slitting, Splitting, Graining and Velouring, Singeing,			
UNIT-III	CHEMICAL FINISHING	8	CO3
Chemical Finishing: Delustring, Softening, Stiffening, Starch and Resin finish, Soil Release finish, Crease Resistant finish, Water Proof finish, Antistatic finish, Anti-pilling finish, Mothproof finish.			
UNIT-IV	FUNCTIONAL FINISHING	8	CO4
Functional Finishes: Waterproof and Water Repellent Finishes, Shrinkage Control, Wrinkle Resistance, Durable Press, Flame Retardant Finish, Fragrant Finish, UV Protective Finish.			
UNIT-V	GARMENT DYEING AND WASHING	8	CO4
Garment Dyeing: Dye Selection, Garment-dyeing Machinery, Garment Washing Techniques: Stone Washing, Acid Washing, Enzyme Washing, Biopolishing, Mercerization, Bleaching, Laser Fading, Ozone Fading.			
UNIT-VI	GARMENT FINISHING ROOM AND EQUIPMENT	7	CO5
Garment Finishing Room Equipment: Stain Removal, Steam Iron, Steam Busters, Vacuum Ironing Tables, Specialized Finishing Equipment: Trouser Topper, Shirt Press, Collar/Cuff Press, Form Finisher (for Jackets and Coats), Study of Boiler and Related Equipment, Fusing Machines for Interlinings.			
Total hours		45 Hours/ Periods	
Skill Attained	Technical finishing processes		
Outcome(s)	<p>At the end of the course, the students will be able to:</p> <p>CO1: Identify various finishing techniques used in textile design.</p> <p>CO2: To educate the students in techniques and machinery for dyeing and finishing of fabric and garments and to impart knowledge on different garment care techniques.</p>		

	CO3: Analyze the core value of fabric and garment finishing CO4: Applying of different finishes on garments CO5: To make the students know about the Machinery and equipment for garment care
TEXT BOOK:	
1.	R.S. Prayag: "Textile Finishing" Shree J. Printers, Pune, 1 st Edition.
2.	J.L.Smith: Textile Processing Printing Dyeing Finishing, Abhishek Publications, 9 th Edition, 2016.
REFERENCES BOOK:	
1.	Asim Kumar and Roy Choudhury: "Principles Of Textile Finishing", Woodhead Publishing, 1 st Edition, 2009.
2.	J.T. Marsh: "An Introduction to Textile Finishing", B.I. Publication PVT. LTD, 1 st Edition, 2011.



BACHELOR OF SCIENCE FASHION DESIGN
(Programme Code: 70DODUG02)
SYLLABUS

IV Semester

Course code	Course Name	Hours/week			Credit	Max. Marks
24BFD024E04	Garment Production Machinery and Equipment	L	T	P	Cr	100
		3	0	0	3	
Pre-requisite	NA					
Evaluation Scheme	Theory				Hours	Marks
	External (End Semester Exam)				3	60
	Internal					40
	Midterm Examination (MTE) - 15 Marks					
	Presentation - 5 Marks					
Attendance - 5 Marks						
Assignment / Certification - 5 Marks						
Quiz / Surprise Test - 5 Marks						
Teacher Assessment - 5 marks						
Objective(s)	<ul style="list-style-type: none"> • Introduce students to different types of garment production machinery and equipment. • Explain the functionality and application of cutting, sewing, pressing, and finishing machines. • Develop students' technical knowledge to operate, maintain, and troubleshoot machinery. • Promote understanding of safety standards and quality control in machinery handling. 					

	<ul style="list-style-type: none"> Explore automation, computerized technology, and future trends in garment machinery. 		
Unit	Topic To Be Covered	Hours	Course Outcome addressed
UNIT-I	INTRODUCTION TO GARMENT PRODUCTION AND MACHINERY	7	CO1
Overview of garment production process, Importance of machinery and equipment in garment manufacturing, Classification of garment machinery (manual, semi-automatic, automatic) ,Introduction to production layouts and workflow			
UNIT-II	Cutting Room Equipment	7	CO2
Manual cutting tools: scissors, shears, knives, Mechanical cutting machines: straight knife, round knife, band knife, die cutting machines, Computerized cutting machines (CNC cutters, laser cutters) Spreading machines: manual spreaders, automatic spreaders, Fusing machines: flat-bed, continuous fusing			
UNIT-III	Sewing Machines and Their Types AND NEEDLS	8	CO3
Basic sewing machines: single-needle lockstitch, chain stitch Specialized machines: Overlock/Serger,Flatlock, Coverstitch, Button sewing and buttonholing machines, Bar tack machines, Machine parts and functions, Selection of sewing machines based on fabric and garment type			
UNIT-IV	Pressing and Finishing Equipment	8	CO4
Importance of pressing in garment production Types of pressing equipment: Hand irons, Steam presses, Vacuum tables, Form finishers, steam tunnels Finishing machines: thread trimming machines, fusing press, pleating machines Packaging and folding equipment			
UNIT-V	Inspection and Quality Control Machines	8	CO4
Inspection tables and lighting systems, Needle detectors and metal detectors, Fabric inspection machines, In-line and end-of-line garment inspection tools, Measuring devices and testing equipment for garment quality (shrinkage tester, color fastness tester)			
UNIT-VI	Automation and Advanced Technologies in Garment Production	7	CO5
Automated sewing and finishing lines, Robotics in garment manufacturing, CAD/CAM in garment industry (pattern making, marker planning), 3D printing and digital garment creation, Future trends: AI-based quality inspection, IoT-enabled machines, sustainable machinery			
Total hours		45 Hours/ Periods	
Skill Attained	Technical finishing processes		
Outcome(s)	At the end of the course,the students will be able to:		

	<p>CO1: Understand the role and significance of different machinery and equipment used in garment production.</p> <p>CO2: Identify various cutting, sewing, pressing, and finishing machines and their working principles.</p> <p>CO3: Select appropriate machinery for specific fabrics, designs, and garment types.</p> <p>CO4: Operate and maintain basic garment production equipment with safety protocols.</p> <p>CO5: Analyze new technological trends such as automation and AI in garment manufacturing.</p>
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TEXT BOOK:

1.	Harold Carr and Barbara Latham , " <i>Technology of Clothing Manufacture</i> ", Wiley-Blackwell, 4th Edition , 1994.
2.	Gerry Cooklin , " <i>Introduction to Clothing Manufacture</i> ", Blackwell Publishing, 2nd Edition , 1991.

REFERENCES BOOK:

1.	Rajkishore Nayak and Rajiv Padhye , " <i>Garment Manufacturing Technology</i> ", Woodhead Publishing (Elsevier), 1st Edition , 2015.
2.	Ruth E. Glock and Grace I. Kunz , " <i>Apparel Manufacturing: Sewn Product Analysis</i> ", Pearson Education, 4th Edition , 2005.