

SEMESTER

I



**CERTIFICATE COURSE IN FASHION DESIGN
(PROGRAM CODE: 50SDICC01)
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
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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
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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
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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
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Types of motifs and trends in Indian art and contemporary art.

Total hours	30 Hours/ Periods
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Skill Attained	Aesthetics Creating Composition Color concepts
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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
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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



CERTIFICATE COURSE IN FASHION DESIGN
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I Semester

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 Abling: “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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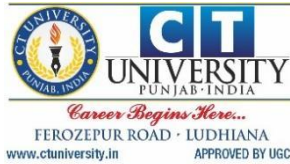
Outcome(s)	<p>At the end of the course, the students will be able to:</p> <p>CO1: Understand the fashion terminologies, fashion scenario and fashion industry.</p> <p>CO2: To provide a broad foundation to acquire the knowledge of fashion theory and its growth which develop the students' potential for 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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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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I Semester

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	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"> • 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)
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	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	3	0	0	3	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 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



**CERTIFICATE COURSE IN FASHION DESIGN
(PROGRAM CODE: 50SDICC01)
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



CERTIFICATE COURSE IN FASHION DESIGN
(PROGRAM CODE: 50SDICC01)
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



CERTIFICATE COURSE IN FASHION DESIGN
(PROGRAM CODE: 50SDICC01)
SYLLABUS

II Semester

Course code	Course Name	Hours/week			Credit	Max. Marks
		L	T	P		
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
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Advance hairstyling techniques

PRACTICAL-V	FLAT SKETCHING OF GARMENTS	10	C04
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- 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
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- 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.

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



**CERTIFICATE COURSE IN FASHION DESIGN
(PROGRAM CODE: 50SDICC01)
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



CERTIFICATE COURSE IN FASHION DESIGN
(PROGRAM CODE: 50SDICC01)
SYLLABUS

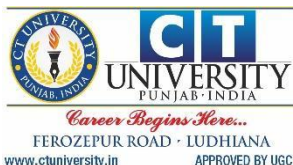
II Semester

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



CERTIFICATE COURSE IN FASHION DESIGN
(PROGRAM CODE: 50SDICC01)
SYLLABUS

II Semester

Course code	Course Name	Hours/week			Credit	Max. Marks
		L	T	P		
25BFD012C08	FUNDAMENTAL OF CLOTHING 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	DESIGN ANALYSIS AND THE THREE MAJOR PATTERN MAKING PRINCIPLES				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	DESIGNING WITH SLEEVES				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	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	PLACKET	10	C03
Plackets French, visible placket (American) , covered placket fly front Prepare test fit on muslin			
Practical-V	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.	Normar. 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



CERTIFICATE COURSE IN FASHION DESIGN
(PROGRAM CODE: 50SDICC01)
SYLLABUS

II Semester

Course code	Course Name	Hours/week			Credit	Max. Marks
		L	T	P		
25BFD012E01	FABRIC CONSTRUCTION-I	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 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



CERTIFICATE COURSE IN FASHION DESIGN
(PROGRAM CODE: 50SDICC01)
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,
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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



CERTIFICATE COURSE IN FASHION DESIGN
(PROGRAM CODE: 50SDICC01)
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 Marks - 5						
Assignment / Certification Marks - 5						
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

Overview: Understanding the basics of apparel production, its processes, and key terms.

Key Topics:

- 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
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Overview: Learn the importance of planning in apparel production and how to manage operations efficiently.

Key Topics:

- 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
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Overview: Understand the financial aspects of apparel production, including cost management and budgeting.

Key Topics: Types of costs in apparel production (direct and indirect costs) Cost estimation methods, Budgeting for production and profitability analysis

UNIT-IV	Apparel Manufacturing Processes	8	CO4
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Overview: Delve into the various stages of garment manufacturing from design to final product.

Key Topics:

- Fabric sourcing and preparation
- Pattern making, grading, and marking
- Cutting, stitching, and finishing processes

UNIT-V	Quality Control in Apparel Production	7	CO4
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Overview: Learn the techniques to ensure quality standards are met in every phase of production.

Key Topics:

- 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
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Overview: Explore the role of technology in improving the efficiency and quality of apparel production.

Key Topics:

- 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.	

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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