

Branch Name	Master of Design (Fashion Design)
Branch Code	FD201
Course Name:	Computer Aided Design (CAD)
Course Code	2FD2010108
Pre-requisite Course:	-----

Course Objectives:

1. To understand the fundamentals of computer-aided design (CAD) and its applications in the fashion industry.
2. To develop skills in digital drawing and fashion illustration using industry-relevant CAD software.
3. To create textile designs, patterns, and fashion presentations through digital design tools and techniques.
4. To utilize CAD technologies for efficient design development, visualization, and communication in modern fashion design processes.

Teaching and Examination Scheme:

Teaching Scheme (Hours per week)				Evaluation Scheme (Marks)								Total (Marks)
Lecture (L)	Tutorial (T)	Practical (P)	Credit	Theory (Marks)				Practical (Marks)				
				University Assessment		Continuous Assessment		University Assessment		Continuous Assessment		
				Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	
-	-	8	4	-	-	-	-	20	50	20	50	100

Subject Content:

Sr.No	Topic	Total Hours	Weightage (%)
1	Digital Drawing 1. Introduction to digital drawing tools and techniques. 2. Creating basic shapes and lines using software tools. 3. Developing simple fashion figures digitally. 4. Coloring and shading garments using digital tools.	12	25%
2	Motif and Pattern Design 1. Introduction to motifs and patterns. 2. Creating basic digital motifs. 3. Developing repeat patterns using design software. 4. Applying colors and textures in textile designs.	12	25%
3	Digital Garment Illustration and Layout 1. Creating garment flats and basic technical drawings. 2. Combining fashion figures with garment illustrations. 3. Creating mood boards and inspiration boards digitally. 4. Editing and enhancing fashion images.	12	25%
4	Digital Design Project 1. Concept development for a digital fashion design project. 2. Creating digital fashion illustrations and textile designs. 3. Developing a small fashion design concept using CAD tools.	12	25%

Reference Books:

S.No	Books
1	Fundamentals of Computer Aided Design, Khushdeep Goyal, S.K. Kataria & Sons, New Delhi, 2013
2	Computer Aided Design – Dr. Sadhu Singh, S.K. Kataria & Sons, 2011
3	Computer Aided Design and Manufacturing – Khushdeep Goyal, S.K. Kataria & Sons, 2013.

Course Learning Outcomes (CLO): On completion of this course, the students will be able to:

CLO	Description	Bloom Taxonomy Level
CLO1	Identify basic computer operations and CAD tools used in fashion design.	4,5 Evaluate, Analyse
CLO2	Use digital drawing tools to create simple fashion sketches.	3 Applying
CLO3	Develop basic textile motifs and repeat patterns digitally.	1 Remembering
CLO4	Create garment flats and simple technical illustrations.	2 Understanding
CLO5	Prepare digital presentation boards and design layouts.	3, 6 Applying, Creative

Mapping of CLOs with Pos & PSOs

Course	Program Outcomes (PO's)										Program Specific Outcomes (PSO)	
Learning Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PSO 1	PSO 2
CLO 1	L			H							M	
CLO 2		M				L	L					
CLO 3			M		M					H		M
CLO 4	H							M			M	
CLO 5		M			L	M			L			L
CLO 6				H	H				H	M	H	

H: High, M: Medium, L: Low