

Branch Name:	Faculty of Design
Program Code:	MS102
Course Name:	Computer Added Design (CAD) - II
Course Code:	22-SEC109-1C
Pre-requisite Course:	

Course Objectives:

- To develop advanced digital design skills for fashion applications.
- To familiarize students with professional CAD software used in the fashion industry.
- To enable students to create digital fashion illustrations, technical drawings, and textile designs.
- To integrate digital tools into fashion product development and presentation.

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.	
-	-	4	2	-	-	-	-	09	25	09	25	50

Subject Contents:

Sr No.	Topic	Total Hours	Weightage (%)
1	Advanced Digital Fashion Illustration • Review of Basic CAD Tools and Interface • Advanced Drawing and Editing Techniques • Digital Fashion Figure Development • Advanced Garment Rendering Techniques • Digital Colouring and Shading Methods • Creating Fashion Flats and Technical Sketches • Illustration of Fashion Accessories • Portfolio Layout and Presentation Techniques	6	25%
2	Digital Textile and Surface Design • Introduction to Digital Textile Design • Creating Prints and Patterns Using CAD • Repeat Pattern Development • Motif Design and Manipulation • Colourways and Pattern Variations	6	25%
3	Fashion Product Development through CAD • Digital Garment Development Process • Technical Specification Sheets (Tech Packs) • Digital Fashion Collection Planning • CAD for Apparel Product Development • Introduction to Pattern Digitization • Size Charts and Measurement Specifications	6	25%

	- Product Visualization and Presentation - Industry Applications of Fashion CAD		
4	Digital Portfolio and Fashion Presentation - Digital Portfolio Development - Fashion Look Book Design - Fashion Presentation Boards - Digital Branding and Visual Communication	6	25%

Reference Books:

Sr. No.	Books
1	Adobe Creative Team, Adobe Photoshop 7.0 Classroom in a Book, 25 June 2002, 592 pages
2	Katrin Eismann, Photoshop Restoration Retouching, New Riders Publisher, 472 pages
3	Scott Kelby, The Adobe Photoshop CC Book for Digital Photographers, New Riders; 2017 ed. edition (8 December 2016), 360 pages

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

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

Mapping of CLOs with Pos & PSOs

Course	Program Outcomes(POs)										Program Specific Outcomes (PSOs)	
Learning Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CLO1		M			L						M	
CLO2	M			H		H						M
CLO3	M		M				L				H	
CLO4		H				H		M				M
CLO5			H		M			H		M	M	
CLO6	M			H		H	M					M

H:High, M:Medium, L:Low