VALUE ADDED COURSE

Swarrnim Institute of Design

YEAR: 2023-2024

Branch:Fashion Design Department

Bhoyan Rathod, Opposite IFFCO, Near ONGC WSS, Adalaj Kalol Highway, Gandhinagar, Gujarat - 382422.

Course Title: Digital Fashion Design and 3D Visualization

Course Code: VACDFDV

PROGRAMME: Hours: 30 hrs	Diploma and Degree Fashion Design	Branch:	Fashion

Course Overview:

This 30-hour course focuses on the use of digital tools and 3D visualization techniques in fashion design. It is designed to help participants stay at the forefront of the industry by mastering the software and technology used for digital sketching, pattern-making, and virtual garment creation.

Learning Outcomes:

By the end of this course, participants will be able to:

Apply Styling Principles Across Different Contexts
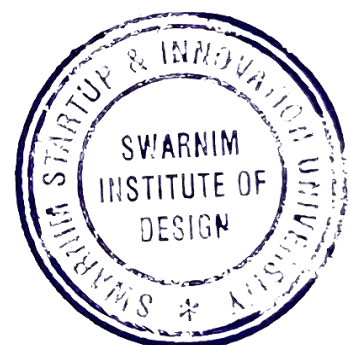
Build and Manage a Versatile Wardrobe

Master Color Theory and Texture Combinations

Create a Distinct Personal Brand
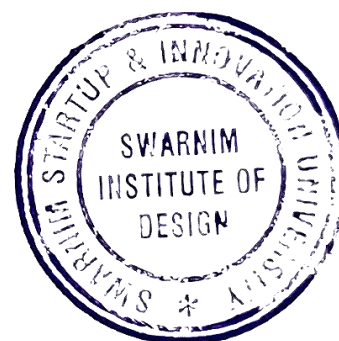
Leverage Social Media for Fashion Marketing

Conduct Effective Client Consultations

Produce a Professional Fashion Portfolio

Course outline

Sr. No	Content	Total hours
1.	**Introduction to Digital Fashion Design** - 2 hours Overview of digital tools and their importance in modern fashion design Introduction to key software: Adobe Illustrator, CLO 3D, and Marvelous Designer	02
2.	**Digital Sketching and Illustration** - 5 hours 2 hours on creating digital fashion sketches using Adobe Illustrator 2 hours on rendering techniques for digital illustrations 1 hour on creating technical flats and garment details	05
3.	**3D Pattern Making and Draping** - 6 hours 3 hours on developing digital patterns using software like CLO 3D 3 hours on digital draping techniques to visualize garment fit and structure	06
4.	**Virtual Garment Creation and Simulation** - 6 hours 3 hours on constructing virtual garments and applying textures 3 hours on fabric simulation, movement, and fitting adjustments	06

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Sr. No	Content	Total hours
5	**Sustainable Design in Digital Fashion** - 4 hours 2 hours on how digital design tools reduce waste in fashion production 2 hours on using digital tools to promote sustainable fashion practices	04
6	**Augmented Reality (AR) and Virtual Reality (VR) in Fashion** - 4 hours 2 hours on AR and VR applications in fashion marketing and retail 2 hours on creating virtual showrooms and fashion experiences	04
7	**Project Development: Digital Fashion Collection** - 3 hours Hands-on project: Developing a mini digital fashion collection using 3D tools	03