

**MAJOR BASED ELECTIVE-II - COMPUTER AIDED DESIGNING**

**Unit I - Introduction**

Introduction and meaning for CAD, Computer in the Fashion industry. Acceptance of new technology. Quick response technology.

**Unit II – Technology in CAD**

CAD in today's fashion industry. Types of CAD systems – Textile design system, illustration / sketchpad system. Texture mapping – Draping software, Embroidery system, specification and costing system. Digitizing and grading system, marker-making systems, pattern Design software, Concept of design studio robotics and Garment moving Technology. Commercial software systems.

**Unit III**

**CAD from sketch to market** – Conceptualization – Definition – Preproduction, Production and Promotion.

**Unit IV**

**Silhouette** – Introduction, Fashion cycle, understanding shape, fabric selection and silhouette – proportion, line, focal point, cut, fit and construction, co-ordinating silhouette, Rendering silhouette. Computer rendering of silhouette.

**Unit V**

**Presentation and Graphics:** Introduction, External presentation, internal presentation, planning a presentation – organization and composition. Computer generated presentation, computer generated catalogues, presentation board, Multimedia and 3 – D presentation.

**Reference:**

1. CAD for Fashion Design. By Rene Weiss Chase., Prentice Hall, upper saddle River, London.
2. Instrumental Colour measurements and Computer aided colour matching for textiles by H.S. Shah and R.S. Gandhi, Mahaj