

PFT5I102 PC(CP) FASHION DESIGNING USING CAD

Objectives :

To enable the students to learn about the

- Hardware, software and basic tools used for development of both woven textile design and apparel design.
- Colour selection & application through CAD .
- Weave simulation ,Draping & 3D image on CAD
- Pattern making and grading using CAD software.

Outcomes :

Upon completion of this course, the student shall be able to

- Develop various textile design and dress design for kids wear, men wear, women wear using CAD soft ware.
- Know the use of graphic package, Extruding, Transformation, Corel draw, Adobe photo shop.

Module - I (10 hours)

Hardware in CAD: Introduction, Design work station, Graphics terminal, input &output devices, central processing unit &secondary storage. Computer graphics software & database: Introduction ,Software configuration of a graphic system, function of a graphic package, Extruding, Transformation, Corel draw, Adobe photo shop.

Elements of designs and their development using CAD software.Principles of motif generation on computers / motif for border, motif for all over design.Principles & elements of colour. Colour selection & application through CAD.

Module-II (10 hours)

.Operational principles of various tools of CAD software for woven ,knitted& Printed design. Principles of CAD for woven design making &developing , use of Anthropometric data for CAD based textile design. Principles & elements of colour, colour selection & application through CAD .Weave simulation ,Draping& 3D image on CAD

Module-III (10 hours)

Concept of garment design developing & cutting in fashion studio using CAD software.

Developing of various dress designs using the software tools - e- Style and Sketch Studio, e-material and colour way studio – colour change, change of pattern, fabric structure etc., e-Photo and draping studio – changing of textures of existing photos and samples Layout size

Module - IV (10 hours)

Principles of CAD for pattern making , Pattern grading and pattern layout. Use of Anthropometric data for CAD based garment manufacturing. Detailed study on various Computer Aided Cutting & sewing machineries.

Books Recommended :

1. CAD/CAM by Groover&zimmer
2. Inside Fashion Design -Kitty G.Dikerson
3. Inside Fashion Business -Kitty G. Dikerson
4. Elements of color& design –Sumathi G.J.