

PFT5I103 PC(CP) Garment Manufacturing Technology - II

Objectives :

To enable the students to learn about the

- Sewing threads, various trims and accessories used in garments.
- Mechanism in sewing machines and various kind of stitching machines.
- Pressing, garment finishing and fusing technology.
- Processes in garment industry.

Outcomes :

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

- Know the type and characteristics of sewing needle, sewing threads,
- Gain knowledge about the various trims and accessories used in garments.
- Gain knowledge about different kinds of sewing machines and their operations.
- Be acquainted with production planning and control in garment industry.
- Know about the other techniques i.e pressing, fusing, packing etc.

Module- I (10 hours)

Sewing needles – their type, characteristic and use.

Sewing threads – fibre types, thread composition, thread finishes, thread properties and their relationship with needles.

Trims and use of other components : Labels and motif, Lining, Interlining, Wadding ,Lace, Braid , Elastic, Hook and loop fastening, Zip Fasteners, Buttons, Shoulder pad, Tuck button, snap fastener etc.

Module- II (15 hours)

Sewing Machine feeding mechanism and sewing machine beds.

Detailed Knowledge on different kind of Stitching machines – Chain, lock , blind, zigzag, button hole, multineedle and multithread Stitching m/c, their mechanism , function .and different parts.

Principle and utility of the following machine used in garment manufacturing –

Bar tacking machine, Over edging m/c, Interlock m/c, Double need high speed m/c, Button attaching and button hole making m/c.

Defects and remedies, Care and maintenance of sewing machines.

Module-III (10 hours)

Sewing problems :Problems in stitch formation, problems of pucker, problems of damage to the fabric along the stitches.

Pressing :Need of pressing, Types of pressing, Pressing equipments and methods, Pleating , State of pressing. Garment finishing machines.

Fusing Technology :Requirement of fusing, method of fusing, Fusing process.

Module-IV (10 hours)

Introduction to Garment Factory - Small and large garment manufacturing firms, Production ,Planning and Control at each and every stages of garment manufacturing from Raw material sourcing ,pattern making , cutting ,stitching to finishing.

Packing :different types of packing, packing materials, labels and tags.

Books for References:

1. Apparel Manufacturing hand book — Jacob Solinger.
2. Clothing Technology – R.L. Friend,
3. Clothing Technology – Carr & Latham,
4. The Technology of Clothing Manufacture – Carr and Latham

TENTATIVE
Likely to be Modified