

## **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