

PFT4I102 Garment Manufacturing Technology - I

Module-I (12 hours)

Garment Classification: Men, Women and Children, Fabric Selection: selection of fabric according to dress style, occasion, and figure.

Pattern making- Objectives, Importance of paper pattern, Types of paper patterns, Methods of pattern making- a) Drafting b) Flat pattern c) Draping, Measurements and its importance. Tracing and marking terminology- Chalked marking, chalked thread, colour coding, pin marking, tailors tacks, thread tracing.

Pattern layout- according to types of fabrics, different types of lays, economy of fabrics in layouts, cloth layouts. Working with different fabrics. Principle of fitting- ease, line, grain, set, balance. Grading.

Module-II (12 hours)

Marker Planning: Requirement of the marker planning Efficiency of marker plan, methods of marker panning and marker use.

Spreading: The requirements of the Spreading process, methods of spreading, the nature of fabric packages.

Cutting: The objectives of cutting, Requirements of cutting, Bundling- labeling. Cutting room layout, cutting room organization.

Tools & equipment for cutting – Band knife, click press, electrical notcher, Straight knife, Circular knife, Cutting Board, Cutting Table, Drill, Pattern perforator, Shears .

Module-III : (08 hours)

Basic Sewing techniques:

Stitch definition, classification & designation

Hand stitches - Hand stitch needle , Back stitch (Half back, Prick) , Blanket stitch, Blind stitch, Catch stitch, Felling stitch, Pick stitch ,saddle stitch, Button hole/eyelets, Over hand stitch, Running stitch, hemming.

Machine Stitches – Chain stitch, Blind stitch, Lock stitch, Zigzag stitch, Over edge machine stitch, Safety stitch, Lettuce edging, Shirring stitch.

Module-IV : (08hours)

Seam terminology – curved seam, enclosed seam, exposed seam, extended seam allowances, intersecting seam Rolled seam edges.

Classification of different types of seam – Plain seam, Flat seam, French seam, Edge seam, Flat fell seam, Fur and fell seam, lapped seam, Bound seam, Corded seam, Slot seam, piped seam, fused seam, Padded seam, Seams of fur, Seam of lace, Top stitched seam, Tucked seam, Welt seam, Taped seam, Zigzag seam, Safety stitched seam

Seam finishing – different methods.

Books Recommended:

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

Garment Manufacturing Technology - I Laboratory

1. Method of taking important body measurements for gents and ladies garments.
2. Developing and creating different patterns by using of 3 techniques.
 - i) Drafting, ii) Flat Pattern Technique, iii) Draping
3. Drafting of kids basic bodice block.
4. Study of the Sewing machineries, different parts and functions.

5. Preparation of sample of basic stitches (hand & machine)
6. Preparation of sample of different types of seam
7. Preparation of sample of different types of pockets
8. Preparation of sample of different types of Plackets
9. Preparation of sample of different necklines using facing and piping.
10. Making of sample of different cut and stitch – Kids