

# **GARMENT ANALYSIS AND INDUSTRIAL ENGINEERING**

## **Week 1:-**

1. Preparation of Operation Breakdown of a given garment style.
2. Preparation of Machines requirement of a given garment style.

## **Week 2:-**

3. Preparation of Helping Operations of a given garment style.

## **Week 3:-**

4. Study different Seam types as per Federal Standards.
5. Study different Stitch types as per Federal Standards and importance of S.P.1.

## **Week 4:-**

6. Calculation of Thread consumption of a given style.

## **Week 5:-**

7. Preparation of Work aids and attachment requirement of a given style.
8. Identifying significant features of a given style.

## **Week 6:-**

9. Practical aspects of ergonomics in garment production.
10. Calculation of SMV and SAM

## **Week 7:-**

11. Time Study and Pitch diagram

## **Week 8:-**

12. Study of Line Balancing.
13. Improvement of production method study.

## **Week 9:-**

14. Motion Study.
15. Introduction to GSD

## **Week 10:-**

16. Introduction to Pro – sew etc.
17. Software and their applications in Garment Analysis.

## **Week 11:-**

18. Calculation of standard targets per operation for a given production line.

## **Week 12:-**

19. Estimation of initial cost of production of a given garment.

## **Week 13:-**

20. Calculation of unit efficiency for a given production figures.

## **Week 14:-**

21. Revision of all units.

## **Week 15:-**

22. Final assessment and feedback.
23. Final practical check.