

A photograph showing three students in a laboratory or classroom setting. They are gathered around a sewing machine, with one student in a blue striped shirt operating it while two others in white shirts observe. The background shows a whiteboard with technical drawings.

## Apparel Machine Engineering and Maintenance (AMEM)

The full time program on Apparel Machine Engineering and Maintenance aims to impart specialized skills and techniques necessary to maintain the latest and advanced machineries used in apparel manufacturing.

### Program Content:

#### Module 1- Introduction

- Introduction to textile and garment industry
- Introduction to garment manufacturing process
- Social Compliance(SA-8000)

#### Module 2- Machine Engineering (Theory)

- Types of sewing machines, their components and functions
- Stitch & seam classification
- Types of sewing threads and needles
- Motors, Feeds, Bed, Belt and Lubrication
- Stitch problems- causes and remedies
- Safety aspects
- General preventive maintenance
- Attachments

#### Module 3- Machine Engineering (Laboratory)

- Technical specification, functions and features of sewing machines
- Threading & Needling
- Study of mechanisms and machine working
- Assembly & dismantling of sewing machines
- Technical adjustments- Single needle lockstitch machine, Computerized single needle lockstitch machine, Double needle lockstitch machine, Over lock (4, 5, 6 thread), Flat lock, Feed of arm, Electronic button stitch, Electronic bartack, Electronic buttonhole
- Operational training of different sewing machines

**Career Opportunities:** Students after completing this program can start their careers in the maintenance department of a garment export house or installation and service department of a machine manufacturer.