

# **Specialization of Apparels Manufacturing Technology**

## **1) Sewing Machine Operation (SMO)**

- Sewing Machine Operation (Knit)
- Sewing Machine Operation (Woven)
- Sewing Machine Operation (Denim)
- Sewing Machine Operation (Lingerie)
- Sweater Machine Operation

### **Required Skills**

- Knowledge on the Sewing Machine (Theory & Practical)
- Knowledge on the Sewing Process manual (Theory & Practical)
- Inspection and survey plan to identify and eliminate potential safety hazards at the sewing machine
- Knowledge on Body Collar & Cuff Sewing (Practical)
- Knowledge on Garments Measurement (Theory & Practical)

### **Sector:**

- Knit Garments Factory or Insdristry (Supervisor, Line man, Input man, AQC, QC)
- Woven Garments Factory or Insdristry (Supervisor, Line man, Input man, AQC, QC)
- Denim & Lingerie Factory or Insdristry (Supervisor, Line man, Input man, AQC, QC)
- Sweater Garments Factory or Insdristry (Supervisor, Line man, Input man, AQC, QC)

## **2) RMG Industrial Engineering (IE)**

### **Required Skills**

- Negotiation Tactics
- Mind Machine Method Integration (Theory)
- Stakeholder Management (Theory)
- Project Management (Theory & Practical)
- MS Excel (Practical)
- Knowledge about Different Order List. (Theory)
- Knowledge about Different Types of Packing List (Theory)
- Knowledge about Different Types of Fabrics (Theory & Practical)
- Knowledge about Production Planning (Theory)

### **Sector:**

- Knit Garments Factory or Insdristry (Trainee IE Officer/Jr. IE Officer/ Jr.IE Executive)
- Woven Garments Factory or Insdristry (Trainee IE Officer/Jr. IE Officer/ Jr.IE Executive)
- Sweater Garments Factory or Insdristry (Trainee IE Officer/ Jr. IE Officer/ Jr.IE Executive)

### **3) Apparel Merchandising (AM)**

- Knit Apparel Merchandising
- Woven Apparel Merchandising
- Denim Apparel Merchandising

#### **Required Skills**

- Excellent Communication Skills
- Excellent English Proficiency
- Excellent Product Knowledge
- Computer Skills
- Excellent Consumption Calculation Knowledge
- Excellent Knowledge about the Factory
- Excellent convincing quality
- Quick Decision-Making Quality
- Mind Machine Method Integration
- Stakeholder Management
- Project Management
- Knowledge about Different Order List. (Theory)
- Knowledge about Different Types of Packing List (Theory)
- Knowledge about Different Types of Fabrics, Color, Chemical & Teaming (Theory & Practical)
- Knowledge about Production Planning (Theory)

#### **Sector:**

- Knit Garments Factory or Insdristry (Trainee Merchandiser/Asst. Merchandiser)
- Woven Garments Factory or Insdristry (Trainee Merchandiser/Asst. Merchandiser)
- Denim Garments Factory or Insdristry (Trainee Merchandiser/Asst. Merchandiser)
- Sweater Garments Factory or Insdristry (Trainee Merchandiser/Asst. Merchandiser)

### **4) Production Planning & Supply Chain Management**

#### **Required Skills**

- Project management
- Technical understanding.
- Cost accounting skills
- Ability to understand financial statements
- Understanding of e-business /e-procurement systems
- Troubleshooting, problem solving

- Understanding of cross-cultural /global issues
- Business ethics
- Mind Machine Method Integration (Theory)
- Stakeholder Management (Theory)
- Excellent Communication Skills
- Excellent English Proficiency
- Excellent Product Knowledge
- Computer Skills
- Excellent Consumption Calculation Knowledge
- Excellent Knowledge about the Factory

**Sector:**

Composite Textile/Garments Industry

- Production Planning Management (Trainee/Jr.Officer)
- Production Planning & Quality Control (Trainee/Jr.Officer)
- Safety Management for Garments (Trainee/Jr.Officer)
- Social Compliance and HR Management (Trainee/Jr.Officer)

## **5) Pattern Making and Cutting Operation (PMCO)**

**Required Skills**

- Taking Pattern Measurements (Theory & Practical)
- Walking Your Pattern (Theory & Practical)
- Dart Manipulation.
- Truing Darts (Theory & Practical)
- Blending Seam Lines (Theory & Practical)
- Knowledge about Computer controlled knife cutting (Theory & Practical)
- Knowledge about Cutting by a Laser beam. (Theory & Practical)
- Knowledge about Cutting by Waterjet (Practical)
- Knowledge about Cutting by the Plasma Torch (Practical)
- Knowledge about Computer Aided Design (CAD & CAM)

**Sector:**

Knit /Woven Garments Industry

- Pattern Master for Garments (Trainee/Asst.Officer)
- Cutting Master for Garments (Trainee/Asst.Officer)
- Computer Aided Design (CAD & CAM) for Garments (Trainee/Asst.Officer)

## **6) Garments Finishing Section**

- Quality Control
- Folding
- Packing

### **Required Skills**

- Knowledge about Preparing daily finishing section production report
- Knowledge for Preparing the report of the surplus garment after shipment
- Knowledge for Preparing report for damaged and rejected garments
- Knowledge about Maintain floor discipline
- Chase production department / washing department for sending garments
- Knowledge about Different Types of Folding & Packing

### **Sector:**

Knit /Woven Garments Industry

- Quality Control (Trainee/Asst.Supervisor/ Officer)
- Folding (Asst.Supervisor/Supervisor)
- Packing (Asst.Supervisor/Supervisor)

## **Md.Asfakur Rahman**

Instructor of Apparels Manufacturing

Daffodil Polytechnic Institute, Dhaka.