

MES COURSE MODULE

IN

**TEXTILES – WEAVING
PREPARATION**

1. Module Name	Warper – Sectional Warping
2. Sector	Textiles - Weaving preparation – Warping
3. Code	WPN 705
4. Entry Qualification	Minimum 7th Standard and 14 years of age
5. Terminal Competency	After completion of the course, the trained person would be able to operate the sectional warping machine and produce weavers beam for weaving.
6. Duration	400 hours
7. Course content:	

Practical Competencies	Under pinning Knowledge (Theory)
<ul style="list-style-type: none"> ➤ Understanding the Warping machine and its creel. ➤ Understanding the pattern and creeling the cones in their respective places. ➤ Taking the ends out, passing through the tension guides and taking up to front and tying all ends of the section together after drawing in the reeds, ➤ Pulling the yarns together on the swift. Setting the section width. Setting the section length by considering the minimum length of yarns on cones. ➤ Leasing ➤ Winding the required number of sections. ➤ Attending the breaks and putting weaver’s knot. ➤ Transferring the warp sheet from swift to a weaver’s beam ➤ Using of safety gadgets like caps, masks, gloves and shoes. ➤ Always tying the sider’s bag and collecting the hard wastes in it. ➤ Mock drill for fire fighting and first aid. 	<ul style="list-style-type: none"> ➤ Details of Sectional Warping machine, Creeling pattern and the quality requirements ➤ Importance of Sectional warping, creeling the cones as per pattern, setting the length per section and section width. ➤ Importance of maintaining uniform tension all the time. ➤ Knowledge of colour codification ➤ Knowledge of yarn count, cone weight and the weaver’s knot. ➤ Precautions to be taken while working ➤ Importance of cleanliness and personal safety ➤ Importance of discipline at work ➤ Fire fighting and first aid ➤ Safety gadgets in a cotton factory

8. Tools and Equipments for a batch of 20 trainees

Description	Quantity
Sectional Warping machine	1
Nose masks, Shoes and caps	20 sets
Mechanical hand knotters – Weaver’s knot	20 sets
Aprons with two waste collection pockets	20

1. Module Name	Warper –Beam Warping –Super High speed
2. Sector	Textiles - Weaving preparation - Warping
3. Code	WPN 706
4. Entry Qualification	Minimum 7th Standard and 14 years of age
5. Terminal Competency	After completion of the course, the trained person would be able to run a Super high speed warping machine by setting the length, adjusting the beam flanges, denting the ends through stop motions and reed
6. Duration	400 hours

7. Course content:

Practical Competencies	Under pinning Knowledge (Theory)
<ul style="list-style-type: none"> ➤ Understanding the salient features of super high speed warping machine and its Controls. ➤ Understanding the pattern and creeling the cones in their respective places. ➤ Taking the ends out, passing through the tension guides and taking up to front and tying all ends together after drawing in the reeds, pulling the yarns together and tying on the warp beam ➤ Setting the length by considering the minimum length of yarns on cones. ➤ Attending the breaks and putting weaver's knot. ➤ Doffing the full beam and sending to sizing after recording the weight ➤ Using of safety gadgets like caps, masks, gloves and shoes. ➤ Maintaining the beam record. ➤ Mock drill for fire fighting and first aid. 	<ul style="list-style-type: none"> ➤ Details of Super High speed Warping machine, Creeling pattern and the quality requirements ➤ Importance of Super High speed warping, creeling the cones as per pattern, setting the length. ➤ Importance of maintaining uniform tension all the time. ➤ Knowledge of colour codification ➤ Knowledge of yarn count, cone weight and the weaver's knot. ➤ Precautions to be taken while working ➤ Importance of cleanliness and personal safety ➤ Importance of discipline at work ➤ Fire fighting and first aid ➤ Safety gadgets in a cotton factory

8. Tools and Equipments for a batch of 20 trainees

Description	Quantity
Super High speed Warping machine	1
Nose masks, Shoes and caps	20 sets
Mechanical hand knotters – Weaver's knot	20 sets
Aprons with two waste collection pockets	20

1. Module Name	Front Attendant – Multi-Cylinder Sizing
2. Sector	Textiles - Weaving preparation - Sizing

3. Code

WPN 707

4. Entry Qualification

Minimum 7th Standard and 14 years of age

5. Terminal Competency

After completion of the course, the trained person would be able to maintain the sizing quality by monitoring the stretch and moisture, adjusting the speed, attending broken threads, migrations, lapping, leasing and denting, gaiting empty weaver's beam, winding on the beam, setting the tape length, monitoring the steam pressure, air pressure.

6. Duration

500 hours

7. Course content

Practical Competencies	Under pinning Knowledge (Theory)
<ul style="list-style-type: none"> ➤ Understanding the features of Multi-cylinder Sizing machine, steam pressure and temperature in individual cylinders, stretch Controls and moisture controls. ➤ Leasing the sheets, drawing ends through reeds, adjusting the expanding comb and setting the beam width, setting length and doffing the beam after set length. ➤ Removing the condensates from the drying cylinders from time to time. ➤ Removing the migrations and lappers if any ➤ Using of safety gadgets like caps, gloves and shoes. ➤ Mock drill for fire fighting and first aid. 	<ul style="list-style-type: none"> ➤ Details of a Multi cylinder sizing machine, using of hoists, monitoring the pressure in drying cylinders, drying temperature, stretch and speed and moisture content. ➤ Importance of sizing, leasing, denting, setting expanding comb, controlling moisture content. ➤ Importance of monitoring and maintaining pressure and temperature of individual cylinders, speed and stretch control. ➤ Precautions to be taken while working ➤ Importance of cleanliness and personal safety ➤ Importance of discipline at work ➤ Fire fighting and first aid ➤ Safety gadgets in a cotton factory

8. Tools and Equipments for a batch of 20 trainees

Description	Quantity
Multi - Cylinder Sizing machine	1
Shoes, gum boots, gloves and caps	20 sets