

**Curriculum
For
Certificate in Weaving Operations
Supervisor
(Certificate Level: 1 Year)
Code:VI87S006
(2013)**

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SCHEME OF STUDIES

20% Theory 80% Practical

Weaving Operations Supervisor

Semester 1:

Sr #	Modules	Theory Hours	Practical Hours	Total Hours
1	Module 1:	10	40	50
2	Module 2:	40	160	200
3	Module 3:	16	64	80
4	Module 4:	14	56	70
5	Module 5:	12	48	60
6	Module 6:	12	48	60
7	Module 7:	14	56	70
8	Module 8:	14	56	70
9	Module 9:	28	112	140
	TOTAL HOURS	160	640	800

Semester 2:

Sr #	Modules	Theory Hours	Practical Hours	Total Hours
1	Module 10:	10	40	50
2	Module 11:	16	64	80
3	Module 12:	12	48	60
4	Module 13:	36	144	180
5	Module 14:	14	56	70
6	Module 15:	22	88	110
7	Module 16:	14	56	70
8	Module 17:	20	80	100
9	Module 18:	16	64	80
	TOTAL HOURS	160	640	800

Introduction

Weaving Operations Supervisor

A weaving operation supervisor monitors and manages complete production process as per planned program. He has to contain the quality standards as well of complete production. He must have complete knowledge of strength, efficiency parameters , quality standards , inspection and grading and waste control management from yarn to fabric.

Overall objective of course

To be able to monitor all the operations of fabric manufacturing.

- **Competencies gained after completion of course**

Skilled Based:

- Trainees will be able to monitor yarn supplied from spinning department for weaving process.
- Trainees will be able to supervise warping, sizing, drawing-in, looming processes and quality parameters of woven fabrics.
- Trainees will ensure that the settings of all machines are according to the quality specifications and according to the instructions of weaving manager.

Knowledge Based:

- Trainee should be able to distinguish different types of yarns (Rigid, 100% cotton, stretch, blend, 100 % Filament etc).
- Trainee should be able to assess sizing beam status by feel or looking at sized yarn sheet.
- Trainee should be able to root out the cause of stoppages / breakages on loom instantly.

Job opportunities available immediately and in the future

Weaving mills. (Mills having Shuttle, Projectile, Rapier, Air Jet looms.

- **Trainee entry level**

Matric

Minimum qualification of trainer

BSc Textile Engineer (Weaving) or Equivalent.

- **Medium of Instruction i.e. language of instruction**

Urdu

Sequence of the modules

Trainees must complete all modules in a given sequence.

Module 1: Take charge and check production report of previous shift.

Module 2: Monitor and manage housekeeping, manpower, raw material and production

Module 3: Make arrangements for PPC plan of warping process

Module 4: Warping set calculations

Module 5: Check quality of material

Module 6: Monitor warping beams (in warping)

Module 7: Monitor warping beams (in sizing)

Module 8: Plan sizing chemicals/ recipe

Module 9: Supervise size parameters of sized/weaver's beam

Module 10: Maintain contract's status

Module 11: Prepare sized beam allocation report

Module 12: Plan drawing-in according to the quality

Module 13: Maintain efficiency & quality (Maintain the shed at "A" grade efficiency)

Module 14: Check the environment of loom shed

Module 15: Maintain the backup from different departments

Module 16: Check the fabric quality parameters according to standard

Module 17: Supervise inspections, grading and mending.

Module 18: Check the packing standards according to the customer requirements.

Timeframe of assessment (recommendation)

Duration of course 1 Year

Total hours 1600

Semester 1

Theory hours 160

Practical hours 640

Semester 2

Theory hours 160

Practical hours 640

Overview about the program –Curriculum for (Weaving Operations Supervisor) –

Module Title and Aim	Learning Units	Theory ¹ Days/hours	Workplace ² Days/hours	Timeframe of modules
Module 1 Take charge and check production report of previous shift.	LU1. Discuss with previous shift in charge about problems. LU2. Make a round of all departments.	10	40	
Module 2 Monitor and manage housekeeping, manpower, raw material and production.	LU1. Monitor and manage material handling and flow path. LU2. Monitor cleaning of departments. LU3. Check quantity of workers. LU4. Check the availability & quality of raw material. LU5. Supervise production according to the quality. LU6. Monitor waste material. LU7. Supervise maintenance and production faults and removal on machine.	40	160	Completing Module 1
Module 3 Make arrangements for PPC plan of warping process.	LU1. Check & ensure construction parameters of fabric & yarn LU2. Make yarn demand. LU3. Make yarn testing arrangements.	16	64	Completing Module 1,2
Module 4 Warping set calculations.	LU1. check the contract status and remaining sizing. LU2. Decide set length, No. of warping beams, and yarn bags. LU3. Make issuance of required yarn bags.	14	56	Completing Module 1,2,3

Module 5 Check quality of material.	LU1. Monitor warp yarn parameters. LU2. Detect yarn faults and evaluate.	12	48	Completing Module 1,2,3,4
Module 6 Monitor warping beams (in warping).	LU1. Ensure winding problems in warping beam. LU2. Monitor warp beam parameters.	12	48	Completing Module 1,2,3,4,5
Module 7 Monitor warping beams (in sizing).	LU1. Check number of warp beams per set. LU2. Assure the passage of yarn sheet from creel to head stock. LU3. Resolve the warping problems in warping beams.	14	56	Completing Module 1,2,3,4,5,6
Module 8 Plan sizing chemicals/ recipe.	LU1. Design recipe according to available chemicals. LU2. Check sizing machine parameters. LU3. Ensure the quality of sizing recipe cooking.	14	56	Completing Module 1,2,3,4,5,6,7
Module 9 Supervise size parameters of sized/weaver's beam.	LU1. Check sized beam parameters. LU2. Ensure the tape length of sizing beam. LU3. Prepare complete sizing report. LU4. Control the sizing waste. LU5. Perform sizing adjustments.	28	112	Completing Module 1,2,3,4,5,6,7,8
Module 10 Maintain contract's status.	LU1. Feed new sizing sets in register. LU2. Cross-check with actual contract. LU3. Calculate remaining sizing.	10	40	Completing Module 1,2,3,4,5,6,7,8,9
Module 11 Prepare sized beam allocation report.	LU1. Segregate quality wise beam status. LU2. Check new incoming looms on knotting and articles. LU3. Tabulate warp outs day wise. (Knotting and articles) LU4. Decide the new set keeping the remaining sizing in mind.	16	64	Completing Module 1,2,3,4,5,6,7,8,9,10

	LU5. Do warping calculation for new set.			
Module 12 Plan drawing-in according to the quality.	LU1. Monitor the physical condition of pattern. LU2. Recheck the denting and drawing order. LU3. Ensure perfect condition of drawing in parts.	12	48	Completing Module 1,2,3,4,5,6,7,8,9,10,11
Module 13 Maintain efficiency & quality (Maintain the shed at "A" grade efficiency).	LU1. Develop shed conditions. LU2. Control looms break down. LU3. Locate expert persons on relevant places. LU4. Place the knotting and article change target. LU5. Keep improved performance and mending time of weaver. LU6. Control of warp and weft breakages on loom. LU7. Monitor and feedback the back process problems. LU8. Ensure the resolution of fabric quality problems informed by QC. LU9. Motivate the workers. LU10. Allocate the looms according to workers skill.	36	144	Completing Module 1,2,3,4,5,6,7,8,9,10,11,12
Module 14 Check the environment of loom shed.	LU1. Check & maintain temperature in the shed. LU2. Check and maintain the R.H of loom shed. LU3. Ensure the working of air compressor and air pressure.	14	56	Completing Module 1,2,3,4,5,6,7,8,9,10,11,12,13
Module 15 Maintain the backup from different departments.	LU1. Ensure the exact incoming of sized beams. LU2. Adjust knotting and article timing. LU3. Send the running feed back to the sizing department. LU4. Maintain drawing-in problems in pattern and running loom. LU5. Monitor the quality of running weft yarn.	22	88	Completing Module 1,2,3,4,5,6,7,8,9,10,11,12,13,14

	LU6. Ensure the availability of weft yarn.			
Module 16 Check the fabric quality parameters according to standard.	LU1. Check the fabric piece length. LU2. Check the fabric selvedge. LU3. Check the cut-able faults. LU4. Prepare yarn reports.	14	56	Completing Module 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15
Module 17 Supervise inspections, grading and mending.	LU1. Inspect the fabric and point out the faults on a form. LU2. Assign penalty points to fabric faults. LU3. Mend the mendable faults. LU4. Mark the cut-able faults. LU5. Assign the grading on the sheet. LU6. Cut the fabric according the quality grades.	20	80	Completing Module 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16
Module 18 Check the packing standards according to the customer requirements.	LU1. Select the packing material according to the requirement. LU2. Segregate fabric according to packing types. LU3. Check the final package weight. LU4. Store the packed fabric in the fabric go down.	16	64	Completing Module 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17

Weaving Operations Supervisor Curriculum Contents (Teaching and Learning Guide)

Module 1: Take charge and check production report of previous shift

Objective of the Module: Student should be able take charge and aware of production report.

Duration:50 hours Theory:10 hours Practice:.....40 hours

Learning Unit	Learning Outcomes	Learning Elements	Theory Days/hours	Workplace Days/hours	Materials Required	Learning Place
LU1. Discuss previous shift in charge about problems.	To check problems of previous shift and resolve them in this shift.	<p>Knowledge of:</p> <p>Strength of shed and overall problems of shed.</p> <p>Ability to:</p> <p>Resolve problems of shed.</p>	6	24	Shift register	Class/Work place

LU2. Make a round of all departments.	To check the placement of materials, availability of materials, loom allocation to weaver for getting more production.	<p>Knowledge of:</p> <p>All the issues related to departments regarding strength, raw materials, working machines status.</p> <p>Ability to:</p> <p>Communicate problems with previous shift staff and management of other departments.</p>	4	16		Class/Work place
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Module 2: Monitor and manage housekeeping, manpower, raw material and production

Objective of the Module: Trainees should be able to monitor housekeeping, manpower, raw material and production.

Duration:200 hours Theory:40 hours Practice:.....160 hours

Learning Unit	Learning Outcomes	Learning Elements	Theory Days/hours	Workplace Days/hours	Materials Required	Learning Place
LU1. Monitor and manage material handling and flow path.	To check material handling and flow path.	<p>Knowledge of:</p> <p>Placement of materials in department. Flow of all materials with in and out of section.</p> <p>Ability to:</p> <p>Monitor the</p>	6	24	Shift register	Class/Work place

		required space of raw material.				
LU2. Monitor cleaning of departments.	Ensure the cleaning of all departments.	<p>Knowledge of:</p> <p>Cleaning areas in the department. Materials required for cleaning of floors.</p> <p>Ability to:</p> <p>Monitor cleaning of department.</p>	4	16		Class/Work place
LU3. Check quantity of workers.	Ensure the strength of workers according to loom allocation.	<p>Knowledge of:</p> <p>Strength required for each department.</p> <p>Ability to:</p> <p>Fulfill the required strength for each department.</p>	6	24		Class/Work place
LU4. Check the availability & quality of raw material.	To Check the availability & quality of raw material required for producing fabric.	<p>Knowledge of:</p> <p>Raw material required for specific quality.</p> <p>Ability to:</p> <p>Monitor the amount of raw and end product of each department.</p>	4	16	Bags of cones.	Class/Work place
LU5. Supervise production according to the quality.	Ensure the production of shift according to the target.	<p>Knowledge of:</p> <p>Taking production with less rejection in the given time span.</p>	8	32		Class/Work place

		<p>Ability to:</p> <p>Supervise production and quality department staff to achieve the target.</p>				
LU6. Monitor waste material.	To check the waste material of shift.	<p>Knowledge of:</p> <p>Wastages produced in each section.</p> <p>Ability to:</p> <p>Monitor wastages and should be able to reduce it.</p>	6	24	Baby Cones.	Class/Work place
LU7. Supervise maintenance and production faults and removal on machine.	To ensure that machines are working continuously and remove faults in case of machine problem.	<p>Knowledge of:</p> <p>Some maintenance problems so that maintenance staff should be called in case of problem.</p> <p>Ability to:</p> <p>To resolve problems occurring on machines that are not related to production staff.</p>	6	24		Class/Work place

Module 3: Make arrangements for PPC plan of warping process

Objective of the Module: Student should be able to prepare PPC Plan of warping department.

Duration:80 hours Theory:16 hours Practice:.....64 hours

Learning Unit	Learning Outcomes	Learning Elements	Theory Days/hours	Workplace Days/hours	Materials Required	Learning Place
LU1.Check & ensure construction parameters of fabric & yarn	To check construction parameters of fabric & yarn.	<p>Knowledge of:</p> <p>Quality of a fabric so that required no. of ends should be used to produce a fabric.</p> <p>Ability to:</p> <p>Monitor quality parameters so that faulty</p>	6	24	Contract form.	Class/Work place

		materials should not be produced.				
LU2. Make yarn demand.	Ensure yarn availability according to quality of fabric.	<p>Knowledge of:</p> <p>Yarn type, amount of yarn required for each set.</p> <p>Ability to:</p> <p>Monitor the yarn supply. Monitor the count and yarn type required for specific quality.</p>	4	16		Class/Work place
LU3. Make yarn testing arrangements	To check different testing parameters of yarn according to customer demand.	<p>Knowledge of:</p> <p>All warp yarn testing parameters.</p> <p>Ability to:</p> <p>Require different tests regarding yarn and decide which yarn should be used for specific quality.</p>	6	24	Lea strength tester. Single yarn strength tester. TPI Tester. Chemical tests for blend checking.	Class/Work place

Module 4: Warping set calculations

Objective of the Module: Student should be able to understand warping calculations.

Duration:70 hours Theory:14 hours Practice:.....56 hours

Learning Unit	Learning Outcomes	Learning Elements	Theory Days/hours	Workplace Days/hours	Materials Required	Learning Place
LU1. check the contract status and remaining sizing.	To check the contract status and remaining sizing.	<p>Knowledge of:</p> <p>Amount of warp length required for each quality according to contract.</p>	4	16	Contract intimation form.	Class/Work place

		<p>Ability to:</p> <p>Monitor warping sets so that required beam should be prepared for specific quality.</p>				
<p>LU2. Decide set length, No. of warping beams, and yarn bags.</p>	<p>Ensure set calculations for specific quality.</p>	<p>Knowledge of:</p> <p>Amount of warp length required for each quality according to contract.</p> <p>Ability to:</p> <p>Monitor warping sets so that required beam should be prepared for specific quality.</p>	<p>6</p>	<p>24</p>		<p>Class/Work place</p>
<p>LU3. Make issuance of required yarn bags.</p>	<p>Ensure the availability of yarn bags for a specific quality.</p>	<p>Knowledge of:</p> <p>Yarn counts, yarn type so that required yarn should be demanded for warping.</p> <p>Ability to:</p> <p>Monitor production in warping w.r.to required quality of warp yarns.</p>	<p>4</p>	<p>16</p>		<p>Class/Work place</p>

Module 5: Check quality of material

Objective of the Module: Student should be able to assess the raw material of warping section.

Duration:60 hours Theory:12 hours Practice:.....48 hours

Learning Unit	Learning Outcomes	Learning Elements	Theory Days/hours	Workplace Days/hours	Materials Required	Learning Place
LU1. Monitor warp yarns parameters.	To check production in warping w.r.t. required quality of warp yarns.	<p>Knowledge of:</p> <p>Yarn counts, yarn type so that required yarn should be demanded for warping.</p> <p>Ability to:</p> <p>Monitor production in</p>	6	24		Class/Work place

		warping w.r.to required quality of warp yarns.				
LU2. Detect yarn faults and evaluate.	To Check all spinning faults and communicate with spinning staff.	<p>Knowledge of:</p> <p>All spinning faults.</p> <p>Ability to:</p> <p>Monitor all spinning faults and communicate with spinning staff.</p>	6	24		Class/Work place

Module 6: Monitor warping beams (in warping)

Objective of the Module: Student should be able to examine warping beams in waring department.

Duration:60 hours Theory:12 hours Practice:.....48 hours

Learning Unit	Learning Outcomes	Learning Elements	Theory Days/hours	Workplace Days/hours	Materials Required	Learning Place
LU1. Ensure winding problems in warping beam.	To Identify winding problems and resolve related problem.	<p>Knowledge of:</p> <p>Winding process on warping beams.</p> <p>Ability to:</p> <p>Identify winding problems and resolve related problem.</p>	6	24		Class/Work place

LU2. Monitor warps beam parameters.	To check warp beam parameters of warp beams.	<p>Knowledge of:</p> <p>Warp beam length, flange diameter, barrel length, warp length required.</p> <p>.Ability to:</p> <p>Monitor Warp beam parameters and resolve problems.</p>	6	24	Warp beam.	Class/Work place
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Module 7: Monitor warping beams (in sizing)

Objective of the Module: Student should be able to examine warping beams in sizing section.

Duration:70 hours Theory:14 hours Practice:.....56 hours

Learning Unit	Learning Outcomes	Learning Elements	Theory Days/hours	Workplace Days/hours	Materials Required	Learning Place
LU1. Check number of warp beams per set.	To check number of beams required to fulfill total number of ends.	<p>Knowledge of:</p> <p>Number of warp beams required for a specific quality of a fabric.</p> <p>Ability to:</p> <p>Monitor total number of ends in quality and</p>	6	24		Class/Work place

		check number of beams required to fulfill total number of ends.				
LU2. Assure the passage of yarn sheet from creel to head stock.	Ensure warp sheet's passage towards headstock so that entanglement of yarns should be overcome.	<p>Knowledge of:</p> <p>Yarn sheet passage from beams to the headstock.</p> <p>Ability to:</p> <p>Monitor all warp sheet's passage towards headstock so that entanglement of yarns should be overcome.</p>	4	16		Class/Work place
LU3. Resolve the warping problems in warping beams.	Ensure diagnosis of warping beam problems and their removal.	<p>Knowledge of:</p> <p>Warping beam problems.</p> <p>Ability to:</p> <p>Resolve all problems produced in warping section.</p>	4	16		Class/Work place

Module 8: Plan sizing chemicals/ recipe

Objective of the Module: Student should be able to prepare recipe according to the quality.

Duration:70 hours Theory:14 hours Practice:.....56 hours

Learning Unit	Learning Outcomes	Learning Elements	Theory Days/hours	Workplace Days/hours	Materials Required	Learning Place
LU1. Design recipe according to available chemicals.	Ensure the preparation of recipe according to quality and length of	<p>Knowledge of:</p> <p>Sizing Chemicals, their solid contents, materials required to make recipe.</p>	4	16	Sizing chemicals.	Class/Work place

	warp sheet.	Ability to: Supervise size cooking process according to required amount of sizing chemicals.				
LU2. Check sizing machine parameters.	Ensure the machine settings of sizing machine.	Knowledge of: Sizing machine settings. All tension zones, squeezing pressure etc. Ability to: Monitor all settings of sizing machine with respect to each quality of warp yarns.	6	24		Class/Work place
LU3. Ensure the quality of sizing recipe cooking.	Ensure the cooking process of sizing chemicals.	Knowledge of: Size %, Size material concentration, sizing chemicals properties. Ability to: Supervise Size cooking process.	4	16		Class/Work place

Module 9: Supervise size parameters of sized/weaver's beam

Objective of the Module: Student should be able to understand all the adjustments regarding sizing process.

Duration:140 hours Theory:28 hours Practice:.....112 hours

Learning Unit	Learning Outcomes	Learning Elements	Theory Days/hours	Workplace Days/hours	Materials Required	Learning Place
LU1. Check sized beam parameters.	To check weaver beam parameters.	Knowledge of: Weaver beam dimensions regarding fabric width and length	6	24	Weaver beam.	Class/Work place

		of warp sheet. .Ability to: Monitor Weaver beam parameters and resolve problems.				
LU2. Ensure the tape length of sizing beam.	Ensure required tape length for specific quality.	Knowledge of: Tape length of weaver beam. Ability to: Monitor tape length required for a quality.	4	16		Class/Work place
LU3. Prepare complete sizing report.	To check sizing report of all qualities running in shift.	Knowledge of: Empty beam weight, sized beam weight, Sizing report preparation and sizing recipe. Ability to: Supervise sets required in a shift and check size report.	6	24		Class/Work place
LU4. Control the sizing waste.	Ensure the reduction of sizing waste.	Knowledge of: Sizing Wastages produced. Ability to: Monitor wastages and should be able to reduce it.	4	16		Class/Work place
LU5. Perform sizing	To check all settings of	Knowledge of:	8	32		Class/Work place

adjustments.	sizing machine with respect to each quality of warp yarns.	Sizing machine settings. All tension zones, squeezing pressure etc. Ability to: Monitor all settings of sizing machine with respect to each quality of warp yarns.				
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Module 10: Maintain contract's status

Objective of the Module: Student should be able to understand contract status given by customer so that quality should be prepared according to quality.

Duration:50 hours Theory:10 hours Practice:.....40 hours

Learning Unit	Learning Outcomes	Learning Elements	Theory Days/hours	Workplace Days/hours	Materials Required	Learning Place
LU1. Feed new sizing sets in register.	Ensure sizing production with running quality of fabric. And keeping complete record.	Knowledge of: Fabric length required for a specific quality and feeding of new sets in record. Ability to:	2	8		Class/Work place

		Monitor sizing production with running quality of fabric. And keeping complete record.				
LU2. Cross-check with actual contract.	Ensure the contract status according to quality.	Knowledge of: Fabric length required prepared fabric and remaining fabric. Ability to: Analyze contact status.	4	16		Class/Work place
LU3. Calculate remaining sizing.	Ensure the contract status according to quality and calculate remaining sizing.	Knowledge of: Fabric length required prepared fabric and remaining fabric. Ability to: Analyze contact status.	4	16		Class/Work place

Module 11: Prepare sized beam allocation report

Objective of the Module: Student should be able to prepare size beam allocation report so that set should be planned before stopping of any loom.

Duration:80 hours Theory:16 hours Practice:.....64 hours

Learning Unit	Learning Outcomes	Learning Elements	Theory Days/hours	Workplace Days/hours	Materials Required	Learning Place
LU1. Segregate quality wise beam status.	To check the preparation of beam allocation report and preparation of new sets according to the demand.	Knowledge of: Beam allocation report and beam status of each quality of fabric. Ability to:	2	8	Weaver beam.	Class/Work place

		Supervise the preparation of beam allocation report and preparation of new sets according to the demand.				
LU2. Check new incoming looms on knotting and articles.	To Check new incoming looms on knotting and articles.	<p>Knowledge of:</p> <p>Article change and knotting processes.</p> <p>Ability to:</p> <p>Monitor article and knotting processes.</p>	2	8		Class/Work place
LU3. Tabulate warp outs day wise. (Knotting and articles)	Ensure daily coming knotting and articles.	<p>Knowledge of:</p> <p>Article change and knotting processes reports day wise.</p> <p>Ability to:</p> <p>Supervise daily coming knotting and articles.</p>	4	16		Class/Work place
LU4. Decide the new set keeping the remaining sizing in mind.	Ensure the preparation of sizing sets according to demand.	<p>Knowledge of:</p> <p>Set planning for each quality.</p> <p>Ability to:</p> <p>Supervise set calculations and make arrangements to fulfill the demand.</p>	4	16		Class/Work place
LU5. Do warping calculation for new set.	To check set calculations and make arrangement	<p>Knowledge of:</p> <p>Amount of warp length required</p>	4	16		Class/Work place

	s to fulfill the demand.	for each quality according to contract. Ability to: Supervise set calculations and make arrangements to fulfill the demand.				
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Module 12: Plan drawing-in according to the quality

Objective of the Module: .Student should be able to understand drawing and denting plan according to quality of fabric.

Duration:60 hours Theory:12 hours Practice:.....48 hours

Learning Unit	Learning Outcomes	Learning Elements	Theory Days/hours	Workplace Days/hours	Materials Required	Learning Place
LU1. Monitor the physical condition of pattern.	Ensure the preparation of drawing pattern without drawing faults.	Knowledge of: Frames, reed, droppers, healed wires according to the quality of a fabric.	4	16	Prepared pattern.	Class/Work place

		Ability to: Supervise drawing process.				
LU2. Recheck the denting and drawing order.	Ensure the pattern is out of drawing faults.	Knowledge of: Denting plan and drawing plan according to the quality. Ability to: Monitor drawing process.	4	16		Class/Work place
LU3. Ensure perfect condition of drawing in parts.	Ensure perfect condition of drawing in parts.	Knowledge of: Cleaning of drawing in parts. Ability to: Supervise cleaning and correction of drawing in parts.	4	16	Frames.	Class/Work place

Module 13: Maintain efficiency & quality (Maintain the shed at “A” grade efficiency)

Objective of the Module: Student should be able to minimise rejection % and should get production without damage of fabric.

Duration:180 hours Theory:36 hours Practice:.....144 hours

Learning Unit	Learning Outcomes	Learning Elements	Theory Days/hours	Workplace Days/hours	Materials Required	Learning Place
LU1. Develop shed conditions.	Ensure temperature and RH% of shed	Knowledge of: Shed	4	16		Class/Work place

		<p>temperature and RH% required for specific materials being processed in shed.</p> <p>Ability to:</p> <p>Monitor temperature and RH% of shed regularly.</p>				
LU2. Control looms break down.	Ensure the reduction of breakage of loom parts.	<p>Knowledge of:</p> <p>Loom breakage parts which breaks frequently.</p> <p>Ability to:</p> <p>Supervise reduction of breakage of loom parts.</p>	6	24		Class/Work place
LU3. Locate expert persons on relevant places.	Ensure the expert persons are assigned at allocated looms.	<p>Knowledge of:</p> <p>Loom allocation according to qualities.</p> <p>Ability to:</p> <p>Evaluate the expertise of workers and assign them looms according to their experience.</p>	4	16		Class/Work place
LU4. Place the knotting and article change target.	To Check knotting and article change process with minimum time without problems.	<p>Knowledge of:</p> <p>Article change and knotting timing with respect to specific quality.</p> <p>Ability to:</p>	4	16		Class/Work place

		Supervise article process with minimum time without problems.				
LU5. Keep improved performance and mending time of weaver.	Ensure the faults is mended properly in required time span.	<p>Knowledge of:</p> <p>Mending time for each fault on loom.</p> <p>Ability to:</p> <p>Supervise workers to mend a fault in a less time so that efficiency of loom should be improved.</p>	4	16		Class/Work place
LU6. Control of warp and weft breakages on loom.	Ensure the production of fabric without fabric faults.	<p>Knowledge of:</p> <p>Warp and weft breakages and reasons of breakages.</p> <p>Ability to:</p> <p>Monitor fabric faults regularly and to reduce them.</p>	2	8		Class/Work place
LU7. Monitor and feedback the back process problems.	To check the back process problems and their solution in time.	<p>Knowledge of:</p> <p>Fabric faults occurring due to warping and sizing processes.</p> <p>Ability to:</p> <p>Monitor and feedback the back process problems and resolve.</p>	4	16		Class/Work place

<p>LU8. Ensure the resolution of fabric quality problems informed by QC.</p>	<p>Ensure fabric faults has been removed by the QC Department.</p>	<p>Knowledge of: Linkage with QC Department so that fabric faults can be reduced with help of them.</p> <p>Ability to: Monitor fabric faults and co-ordinate with QC department for solution.</p>	<p>4</p>	<p>16</p>		<p>Class/Work place</p>
<p>LU9. Motivate the workers.</p>	<p>Ensure the workers are motivated and are working with keen interest.</p>	<p>Knowledge of: Working style of workers and motivate them.</p> <p>Ability to: Supervise workers to work efficiently so that quality should be prepared without faults.</p>	<p>4</p>	<p>16</p>		<p>Class/Work place</p>
<p>LU10. Allocate the looms according to workers skill.</p>	<p>Ensure looms are allocated to workers according to their skills.</p>	<p>Knowledge of: Loom allocation according to worker skill.</p> <p>Ability to: Evaluate the expertise of workers and assign them looms according to their experience.</p>	<p>4</p>	<p>16</p>		<p>Class/Work place</p>

Module 14: Check the environment of loom shed

Objective of the Module: Student should be able to understand which environment is suitable for production of fabric with maximum efficiency.

Duration:70 hours Theory:14 hours Practice:.....56 hours

Learning Unit	Learning Outcomes	Learning Elements	Theory Days/hours	Workplace Days/hours	Materials Required	Learning Place
LU1. Check & maintain temperature in the shed.	Ensure the temperature of shed is according to	Knowledge of: Shed temperature	6	24	Thermometer	Class/Work place

	standards.	required for specific materials being processed in shed. Ability to: Monitor temperature of shed regularly.				
LU2. Check and maintain the R.H of loom shed.	Ensure the RH% of shed is according to standards.	Knowledge of: Shed relative humidity required for specific materials being processed in shed. Ability to: Monitor RH% of shed regularly.	4	18	Hygrometer	Class/Work place
LU3. Ensure the working of air compressor and air pressure.	Ensure the working of air compressor and air pressure is according to demand.	Knowledge of: Air Compressor Gauge and air pressure required for each loom with respect to specific quality. Ability to: Monitor pressure of air with in the shed so that quality should be prepared without faults.	4	16	Pressure Gauge	Class/Work place

Module 15: Maintain the backup from different departments

Objective of the Module: Student should be able to maintain back up with back process and folding department so that A grade fabric should prepared with in the given time of contract.

Duration:110 hours Theory:22 hours Practice:.....88 hours

Learning	Learning	Learning	Theory	Workplace	Materials	Learning
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Unit	Outcomes	Elements	Days/hours	Days/hours	Required	Place
LU1. Ensure the exact incoming of sized beams.	To check the exact incoming of sized beams.	<p>Knowledge of:</p> <p>Conversion of warp into fabric of each quality.</p> <p>Ability to:</p> <p>Monitor prepared sets of different qualities.</p>	4	16		Class/Work place
LU2. Adjust knotting and article timing.	Ensured the article and knotting time is according to quality.	<p>Knowledge of:</p> <p>Article change and Knotting processes timings.</p> <p>Ability to:</p> <p>Monitor timings of article and Knotting processes.</p>	2	8		Class/Work place
LU3. Send the running feed back to the sizing department.	Ensure the sizing faults has been conveyed to concerned person of back process.	<p>Knowledge of:</p> <p>Conversion of warp into fabric of each quality.</p> <p>Ability to:</p> <p>Monitor prepared sets of different qualities.</p>	4	16		Class/Work place
LU4. Maintain drawing-in problems in pattern and running loom.	To check wrong drawing and denting on running loom and removal in case of running fault.	<p>Knowledge of:</p> <p>Drawing in faults and their removal.</p> <p>Ability to:</p> <p>Monitor wrong drawing and denting on</p>	6	24		Class/Work place

		running loom and removal in case of running fault.				
LU5. Monitor the quality of running weft yarn.	Ensure weft yarn is according to customer demand.	<p>Knowledge of:</p> <p>Weft yarns required for specific quality of a fabric.</p> <p>Ability to:</p> <p>Monitor weft room and weft yarn reports so that weft should be used according to customer demand.</p>	4	16	Weft yarn report from spinning mill.	Class/Work place
LU6. Ensure the availability of weft yarn.	Ensure weft yarn is available in weft room.	<p>Knowledge of:</p> <p>Weft room inventory and placement of weft bags in weft room.</p> <p>Ability to:</p> <p>Supervise weft bags according to the qualities running in shed.</p>	2	8		Class/Work place

Module 16: Check the fabric quality parameters according to standard

Objective of the Module: Student should be able to understand fabric faults and their removal so that quality should be prepared free from faults.

Duration:70 hours Theory:14 hours Practice:.....56 hours

Learning Unit	Learning Outcomes	Learning Elements	Theory Days/hours	Workplace Days/hours	Materials Required	Learning Place
LU1. Check the fabric	Ensure fabric piece length	Knowledge of:	4	16	Contract form.	Class/Work place

piece length.	is according to customer demand.	Piece length according to contract form. Ability to: Supervise fabric piece length of each quality with respect to customer demand.				
LU2. Check the fabric selvedge.	To check fabric selvedge and ensure whether it is according to customer demand.	Knowledge of: All selvedge types. Ability to: Monitor selvedge type and related faults for specific quality of fabric.	4	16		Class/Work place
LU3. Check the cut-able faults.	To check cut able and mendable faults and make sure cut able faults have been removed.	Knowledge of: Cut able and mendable faults of fabrics. Ability to: Monitor all fabric faults.	2	8		Class/Work place
LU4. Prepare yarn reports.	To check yarn reports according to quality.	Knowledge of: Yarn contamination and preparation of yarn report. Ability to: Monitor all yarn faults and discuss with specific department for	4	16		Class/Work place

		removal.				
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Module 17: Supervise inspections, grading and mending

Objective of the Module: Student should be able to supervise inspection , grading and mending so that customer should receive fabric with out faults.

Duration:100 hours Theory:20 hours Practice:.....80 hours

Learning Unit	Learning Outcomes	Learning Elements	Theory Days/hours	Workplace Days/hours	Materials Required	Learning Place
LU1. Inspect the fabric and point out the faults on a form.	Ensure the inspection of fabric and mentioning of faults on inspection form.	Knowledge of: Inspection process and all fabric faults. Ability to: Analyze all fabric faults.	4	16		Class/Work place
LU2. Assign penalty points to fabric faults.	Ensure fabric is inspected according to grading system or required by customer.	Knowledge of: Grading system for inspection of fabric. Ability to: Monitor all fabric faults and assign point according to 4 point system with respect to each fabric fault.	2	8		Class/Work place
LU3. Mend the mendable faults.	Ensure mendable faults are mended.	Knowledge of: Mending process for mendable faults. Ability to: Supervise mending process.	4	16		

LU4. Mark the cut-able faults.	Ensure the cut able faults are marked and cut.	<p>Knowledge of:</p> <p>Cut able faults and their identification.</p> <p>Ability to:</p> <p>Monitor cut able faults and their removal.</p>	4	16		
LU5. Assign the grading on the sheet.	Ensure the grades are mentioned on sheet.	<p>Knowledge of:</p> <p>Grade points with respect to each fabric fault.</p> <p>Ability to:</p> <p>Monitor all the points and grading of fabric.</p>	2	8		Class/Work place
LU6. Cut the fabric according the quality grades.	Ensure the fabric is cut according to the piece length given in contract.	<p>Knowledge of:</p> <p>Piece length and cutting according to quality given by customer.</p> <p>Ability to:</p> <p>Monitor cutting process so that customer should receive fabric according to required piece length.</p>	4	16		Class/Work place

Module 18: Check the packing standards according to the customer requirements

Objective of the Module: Student should be able to understand different packing materials and should understand packing types so that fabric should be packed according to customer requirement.

Duration:80 hours Theory:16 hours Practice:.....64 hours

Learning Unit	Learning Outcomes	Learning Elements	Theory Days/h	Workplace Days/hour	Materials Required	Learning Place
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			ours	s		
LU1. Select the packing material according to the requirement.	Ensure the same material is selected as demanded by customer.	<p>Knowledge of:</p> <p>All Packing materials for greige fabric packing.</p> <p>Ability to:</p> <p>Monitor packing process of fabric.</p>	6	14		Class/Work place
LU2. Segregate fabric according to packing types.	Ensure fabric is packed according to packing type.	<p>Knowledge of:</p> <p>Qualities for specific packing type.</p> <p>Ability to:</p> <p>Supervise all fabric qualities with respect to fabric type and packing type.</p>	6	16		Class/Work place
LU3. Check the final package weight.	To check the final package weight and ensure it is according to standards.	<p>Knowledge of:</p> <p>Package weight for specific packing type and quality.</p> <p>Ability to:</p> <p>Supervise all fabric qualities with respect to fabric type and packing type.</p>	6	16		
LU4. Store the packed fabric in the fabric godown.	Ensure fabric is stored at the given place according to quality of fabric in	<p>Knowledge of:</p> <p>Fabric godown, places for each quality of fabric environment of fabric godown.</p> <p>Ability to:</p> <p>Supervise the placement of each fabric quality at specific place.</p>	4	16		

	godown.					
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Assessment Template

Module 1 (Take charge and check production report of previous shift)

Learning Units	Theory Days/hours	Workplace Days/hours	Recommended formative assessment	Recommended Methodology	Scheduled Dates
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LU1. Discuss previous shift in charge about problems.	0.5	0	Give some important points which should be assessed in the shift charge report.	Oral/ written test	
LU2. Make a round of all departments.	0.5	0.5	What check points should be taken care of during the department round?	Oral test and Demonstration	

Module 2: (Monitor and manage housekeeping, manpower, raw material and production)

Learning Units	Theory Days/hours	Workplace Days/hours	Recommended formative assessment	Recommended Methodology	Scheduled Dates
LU1. Monitor and manage material handling and flow path.	0.5	1.5	Give some important considerations about material handling and allocation in different departments Demonstrate the monitoring of material movement in a department	Oral/ written assessment Practical demonstration	
LU2. Monitor cleaning of departments.	0	0.5	Perform cleaning inspection of a department	Practical demonstration	
LU3. Check quantity of workers.	0	0.25	Check the quantity of workers in each department as per sanctioned strength.	Practical demonstration	
LU4. Check the availability & quality of raw material.	0.25	0.5	Check material requisition and material issue reports	Practical demonstration	

			Inspect the raw material quality		
LU5. Supervise production according to the quality.	0	0.5	Compare the quality of material used to the quality standards/ requirements.	Practical Demonstration	
LU6. Monitor waste material.	0	0.5	Give a demonstration about waste in different departments and waste monitoring process.	Written Test/ Practical Demonstration	
LU7. Supervise maintenance and production faults and removal on machine.	0.5	1	Give some methods of removing/ avoiding common faults in process Inspect machines for faults	Practical Demonstration	

Module 3 (Make arrangements for PPC plan of warping process)

Learning Units	Theory Days/hours	Workplace Days/hours	Recommended formative assessment	Recommended Methodology	Scheduled Dates
LU1. Check & ensure construction parameters of fabric & yarn	0	0.75	Give a demonstration about the fabric construction parameters.	Practical demonstration and calculations.	
LU2. Make yarn demand.	0	0.75	Calculate yarn requirement according to customer demand.	Practical demonstration and calculations.	
LU3. Make yarn testing arrangements.	0	0.5	Give demonstration about testing methods and arrangement of testing equipments. Give names of	Written Test / Practical demonstration	

			different testing equipments.		
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Module 4 (Warping set calculations)

Learning Units	Theory Days/hours	Workplace Days/hours	Recommended formative assessment	Recommended Methodology	Scheduled Dates
LU1. check the contract status and remaining sizing.	0.25	0.5	Check remaining sized beams running on loom and beams in stock.	Practical demonstration	
LU2. Decide set length, No. of warping beams, and yarn bags.	0.25	0.5	Demonstrate about different set calculations of warping.	Practical demonstration and calculations.	
LU3. Make issuance of required yarn bags.	0	0.5	Prepare issue note.	Practical demonstration	

Module 5 (Check quality of material)

Learning Units	Theory Days/hours	Workplace Days/hours	Recommended formative assessment	Recommended Methodology	Scheduled Dates
LU1. Monitor warp yarns parameters.	0.25	0.5	Enlist different warp yarn parameters.	Written test	
LU2. Detect yarn faults and evaluate.	0.25	0.5	Identify yarn faults of given yarn.	Practical demonstration	

Module 6 (Monitor warping beams (in warping))

Learning Units	Theory Days/hours	Workplace Days/hours	Recommended formative assessment	Recommended Methodology	Scheduled Dates
LU1. Ensure winding			Give demonstration	Practical demonstration.	

problems in warping beam.	0	1	about warping beam problems.		
LU2. Monitor warps beam parameters.	0.5	0.5	Check different warp beam parameters.	Practical demonstration.	

Module 7 Monitor warping beams (in sizing)

Learning Units	Theory Days/hours	Workplace Days/hours	Recommended formative assessment	Recommended Methodology	Scheduled Dates
LU1. Check number of warp beams per set.	1	0	Calculate number of warp beams for different qualities.	Written test	
LU2. Assure the passage of yarn sheet from creel to head stock.	0.5	0.5	Give demonstration about yarn passage from creel to head stock.	Practical demonstration	
LU3. Resolve the warping problems in warping beams.	0	1	Identify warping beam problems and resolve them.	Practical demonstration	

Module 8 (Plan sizing chemicals/ recipe)

Learning Units	Theory Days/hours	Workplace Days/hours	Recommended formative assessment	Recommended Methodology	Scheduled Dates
LU1. Design recipe according to available chemicals.	0.25	0.75	Enlist different sizing chemicals and how to produce a recipe?	Oral Test Practical demonstration	
LU2. Check sizing machine parameters.	0	1	Give a demonstration about different parameters of sizing machine.	Practical demonstration	
LU3. Ensure the quality of sizing recipe cooking.	0.25	0.75	Check the concentration of sizing chemicals in recipe.	Practical demonstration	

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Module 9 (Supervise size parameters of sized/weaver's beam)

Learning Units	Theory Days/hours	Workplace Days/hours	Recommended formative assessment	Recommended Methodology	Scheduled Dates
LU1. Check sized beam parameters.	0	1	Give demonstration about sizing beam parameters.	Practical demonstration	
LU2. Ensure the tape length of sizing beam.	0.5	0.5	Demonstrate about tape length of sizing beam.	Oral Test Practical demonstration	
LU3. Prepare complete sizing report.	0.25	0.5	Give demonstration about sizing reports prepared by sizing department.	Practical demonstration	
LU4. Control the sizing waste.	0.5	0.5	Give methods of reducing sizing waste.	Practical demonstration	
LU5. Perform sizing adjustments.	0.25	1	Give demonstration about sizing machine settings.	Practical demonstration	

Module 10 (Maintain contract's status)

Learning Units	Theory Days/hours	Workplace Days/hours	Recommended formative assessment	Recommended Methodology	Scheduled Dates
LU1. Feed new sizing sets in register.	0	1	Demonstrate about feeding of new sets in Sizing register.	Practical demonstration	
LU2. Cross-check with actual contract.	0.5	0.5	Check sizing prepared and compare with customer demand.	Practical demonstration	
LU3. Calculate remaining sizing.	0.25	0.75	Check prepared sizing and remaining sizing.	Practical demonstration	

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Module 11(Prepare sized beam allocation report)

Learning Units	Theory Days/hours	Workplace Days/hours	Recommended formative assessment	Recommended Methodology	Scheduled Dates
LU1. Segregate quality wise beam status.	0	1	Check beam status according to quality.	Practical demonstration	
LU2. Check new incoming looms on knotting and articles.	0.25	0.75	Check new incoming looms on knotting and articles.	Practical demonstration	
LU3. Tabulate warp outs day wise. (Knotting and articles)	0.25	0.5	Tabulate the new coming looms day wise.	Practical demonstration	
LU4. Decide the new set keeping the remaining sizing in mind.	0.5	0.5	Describe the new set keeping of remaining sizing .	Practical demonstration	
LU5. Do warping calculation for new set.	0.25	1	Demonstrate about set calculations of new quality.	Practical demonstration	

Module 12(Plan drawing-in according to the quality)

Learning Units	Theory Days/hours	Workplace Days/hours	Recommended formative assessment	Recommended Methodology	Scheduled Dates
LU1. Monitor the physical condition of pattern.	0	1	Check the physical condition of pattern.	Practical demonstration	
LU2. Recheck the denting and drawing order.	0.5	0.5	Demonstrate about the denting and drawing order.	Practical demonstration	
LU3. Ensure perfect condition of drawing in parts.	0.25	0.75	Check the cleaning and status of drawing in parts.	Practical demonstration	

Module 13 (Maintain efficiency & quality (Maintain the shed at “A” grade efficiency))

Learning Units	Theory Days/hours	Workplace Days/hours	Recommended formative assessment	Recommended Methodology	Scheduled Dates
LU1. Develop shed conditions.	0.25	0.75	Check shed conditions.	Practical demonstration	
LU2. Control looms break down.	0	1	Demonstrate about causes of loom parts breakup.	Practical demonstration	
LU3. Locate expert persons on relevant places.	0.5	0.5	Check Allocation of looms according to weaver expertise.	Practical demonstration	
LU4. Place the knotting and article change target.	0.25	0.75	Demonstrate about knotting and articles change of shed.	Practical demonstration	
LU5. Keep improved performance and mending time of weaver.	0.5	0.5	Check mending time of different fabric faults.	Practical demonstration	
LU6. Control of warp and weft breakages on loom.	0	1	Demonstrate about the methods to control yarn breakages on loom.	Practical demonstration	
LU7. Monitor and feedback the back process problems.	0	1	Check back process problems.	Practical demonstration	
LU8. Ensure the resolution of fabric quality problems informed by QC.	0.25	0.75	Demonstrate about the fabric faults and their removal according to Quality department.	Practical demonstration	
LU9. Motivate the workers.	0	1	Give methods for motivation of	Written test	

			workers.		
LU10. Allocate the looms according to workers skill.	0.5	0.5	Check Allocation of looms according to weaver expertise.	Practical demonstration	

Module 14 (Check the environment of loom shed)

Learning Units	Theory Days/hours	Workplace Days/hours	Recommended formative assessment	Recommended Methodology	Scheduled Dates
LU1. Check & maintain temperature in the shed.	0	1	Check & maintain temperature in the shed.	Practical demonstration	
LU2. Check and maintain the R.H of loom shed.	0.5	0.5	Check and maintain the R.H of loom shed.	Practical demonstration	
LU3. Ensure the working of air compressor and air pressure.	0.25	0.75	Demonstrate about working of air compressor and air pressure.	Practical demonstration	

Module 15 (Maintain the backup from different departments)

Learning Units	Theory Days/hours	Workplace Days/hours	Recommended formative assessment	Recommended Methodology	Scheduled Dates
LU1. Ensure the exact incoming of sized beams.	0	1	Check the exact incoming of sized beams.	Practical demonstration	
LU2. Adjust knotting and article timing.	0.25	0.75	How to control knotting and article timing.	Practical demonstration	
LU3. Send the running feed back to the sizing department.	0.25	0.5	Demonstrate about feedback given to and by the sizing department..	Practical demonstration	
LU4. Maintain drawing-in problems in	0.5	0.5	Check and resolve drawing-in problems in pattern	Practical demonstration	

pattern and running loom.			and running loom.		
LU5. Monitor the quality of running weft yarn.	0.25	1	How to Monitor the quality of running weft yarn. Tabulate types of problems in weft yarn.	Written Test / Practical demonstration	
LU6. Ensure the availability of weft yarn.	0	1	Check the availability of weft yarn.	Practical demonstration	

Module 16 (Check the fabric quality parameters according to standard)

Learning Units	Theory Days/hours	Workplace Days/hours	Recommended formative assessment	Recommended Methodology	Scheduled Dates
LU1. Check the fabric piece length.	0	1	Check the fabric piece length.	Practical demonstration	
LU2. Check the fabric selvedge.	0.25	0.75	Check the fabric selvedge. Tabulate types of different selveges.	Practical demonstration	
LU3. Check the cut-able faults.	0.25	0.5	Check the cut-able faults.	Practical demonstration	
LU4. Prepare yarn reports.	0.25	0.75	Give method to Prepare yarn reports.	Practical demonstration	

Module 17 (Supervise inspections, grading and mending)

Learning Units	Theory Days/hours	Workplace Days/hours	Recommended formative assessment	Recommended Methodology	Scheduled Dates
LU1. Inspect the fabric and	0	1	Check the fabric and point out the	Practical demonstration	

point out the faults on a form.			faults on a form.		
LU2. Assign penalty points to fabric faults.	0.25	0.75	Check fabric and Assign penalty points to fabric faults.	Practical demonstration	
LU3. Mend the mendable faults.	0.25	0.5	Demonstrate about mending of mend able faults.	Practical demonstration	
LU4. Mark the cut-able faults.	0.5	0.5	Marking of cut able faults on fabric.	Practical demonstration	
LU5. Assign the grading on the sheet.	0.25	1	To Assign the grading on the sheet.	Practical demonstration	
LU6. Cut the fabric according the quality grades.	0	1	To Cut the fabric according the quality grades	Practical demonstration	

Module 18 (Check the packing standards according to the customer requirements)

Learning Units	Theory Days/hours	Workplace Days/hours	Recommended formative assessment	Recommended Methodology	Scheduled Dates
LU1. Select the packing material according to the requirement.	0	1	How to select the packing material according to the requirement.	Practical demonstration	
LU2. Segregate fabric according to packing types.	0.25	0.75	Demonstrate about different packing types of fabrics.	Practical demonstration	
LU3. Check the final package weight.	0.25	0.5	Check the final package weight.	Practical demonstration	
LU4. Store the packed fabric in the fabric godown.	0.25	0.75	Method of storing the packed fabric in the fabric godown.	Practical demonstration	

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Supportive notes

- Assessment context
- Critical aspects
- Assessment condition

- Resources required for assessment

List of Tools, Machinery & Equipment

Name of Trade	Weaving Operations Supervisor
Duration	1 Year

Sr. No.	Name of Item/ Equipment / Tools	Qty.
	Tools	
1.	Cutter	1
2.	Dropper	1
3.	Knotter	1
4.	Measuring tape	1
5.	Brush	1
6.	Mixer safety kit	1
7.	Pick counting glass	1
8.	Nipper	1
9.	Cutter	1
10.	Comb	1
11.	Pressure gun	1
12.	Weaving hook	1
13.	Full and empty Beam trolley	1
14.	Article trolley	1
15.	Cloth roll trolley	1
16.	Loose fabric trolley	1
17.	Weft cone trolley	1

18.	Jack trolley	1
19.	Sizing crane	1
20.	Lifter	1
21.	Go down trolley	1
	Machines	
22	Rewinding machine	1
23	Rolling machine	1
24	Fold machine	1
25	Knotting machine	1
26	Bail press	1
27	Pallet packing machine	1
28	Drawing-in machine	1
29	Warping machine	1
30	Sizing machine	1
31	Weaving machine (loom)	1
32	Leno bobbin winding machine	1
33	Blowers	1
34	Air Compressor	1
35	Air Conditioner	1
36	Stretch packing machine	1
	Testing Equipments	
37	Lea winding machine	1
38	Uster yarn tester	1
39	Yarn lea strength tester	1
40	Single yarn strength tester	1

41	Fabric cutter	1
42	Weighing balance	1
43	Biesely balance	1
44	Fabric tearing strength tester	1
45	Board winder	1
46	Light box	1
47	Boil tester	1
48	Hygrometer	1
49	Yarn moisture tester	1
50	Washing machine	1
51	Yarn Twist Tester	1
52	Yarn Count Tester	1

List of Consumable Supplies

Name of Trade	Weaving Operations Supervisor
Duration	1 Year

Sr. No.	Name of Consumable Supplies
1.	Weaving raw materials i.e. cones and bags
2.	Woven fabrics of different qualities.
3	Waste of all departments.
4	Packing materials
5	Sizing chemicals

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