

APPRENTICESHIP CURRICULUM

FOR

STITCHER (Goods and Garments)

Program

SECTOR: Leather

BLOCK I (Basic Training):

COURSE NAME: Stitcher (Goods and Garments)

QP Name, QP Code and Version No., NSQF Level: Stitcher (Goods and Garments), LSS/Q5501 V1.0, NSQF Level 4

Training Duration: 200 Hrs (3 months)

BLOCK II (Training at Employer Location):

COURSE NAME: Stitcher

QP Name, QP Code and Version No., NSQF Level: Stitcher (Goods and Garments), LSS/Q5501 V1.0, NSQF Level 4

Training Duration: 960 Hrs (6 months)

TOTAL PROGRAM DURATION: 1160 Hrs (9 months)

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PROGRAM CURRICULUM

Program Name	Stitcher (Goods and Garments)		
Program Duration	1160 Hrs (9 months)		
Version No.	1.0	Version Update Date	01/11//2018
Entry Qualification	Class V		
Educational and/or Technical Qualification Required	Class V		
Block 1 Training Outcomes for Stitching Operator	<ul style="list-style-type: none"> • After completing this programme, participants will be able to: • Gain familiarity with the stitching trade: General introduction to trade, leather manufacturing process, role of a stitcher in leather industry and generic skills. • Stitch components to produce leather goods and garments: Stitch components for leather goods using machines or by hand. • Contribute to achieving the product quality in stitching operations: Monitor the quality of the production while undertaking stitching related activities to ensure components get stitched as per sample/specification. • Maintain the work area, tools and machines: Organise work area and activities to ensure tools and machines are maintained as per norms. • Maintain health, safety and security at workplace: Comply with health, safety and security requirements at the workplace and covers procedures to prevent, control and minimize risk to self, environment and other. • Comply with industry, regulatory and organisational requirements: Comply with industry, regulatory and organizational requirements at workplace. 		
Block II Training Outcomes for Stitching Operator	<p>After completing this programme, participants will be able to:</p> <ul style="list-style-type: none"> • Read the specifications from job card for different operations and methods to perform Stitching operation. • Carry out the pre-operational checks required for stitching operations. • Follow standard procedures to perform stitching operations. • Identify different Stitching operational methods/machines-Flat bed, Post bed, Cylinder bed and Holden stitch methods (Stitches without pasting) and different types of seams that go in to the manufacturing of Goods & Garments to achieve correct quality and productivity. • Identify difficulties with respect to the practicality of different Stitching methods in order to achieve correct quality for each style as per the sample and specifications. • Identify the different parts in stitching machine. • Inspect visually the accuracy of stitching as per the specification and sample. • Identify the different types of leather/ non-leather materials and their properties with respect to stretching/shrinkage while performing stitching operations. • Use tools/ machines such as post bed sewing machine, computerized sewing machine, Zig-zag machine, Embroidery machine and thread cutter for non-leather components. 		

	<ul style="list-style-type: none"> • Detect product/manufacturing defects and control manufacturing losses • Comply with health, safety, security, legal, regulatory and ethical requirements at the work place. • Create reports of stitching operations for the day (documentations)
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Note: 1 week has 40 hours of learning (8 hrs a day x 5 days a week). For example:

S. No.	QP2 Durations (in hrs)	Weeks	Months
1	1440	36	9
2	960	24	6
3	2080	52	13

Block I: This is a training block done in the Instructor-Led training approach, with theory and practical sessions. The training sessions may be held at training provider’s premises.

Block II: This is a training block done at the Employer location. This is largely hands-on with inputs/ guidance provided by the on-site mentors and supervisors. The employer may conduct instructor-led sessions in classrooms/ workshops and may also look at new age – technology-based performance support tools for additional support.

Basic Training (Block I)

General Information

1. **Course Name:** Stitcher (Goods and Garments)
2. **QP Code with Version No. and QP Name:** LSS/Q5501 V1.0, Stitcher (Goods and Garments)
3. **NSQF Level:** 4
4. **Theory hours:** 30
5. **Practical hours:** 170
6. **Batch Size:** 30
7. **Power Norms:** 6 KW for Workshop
8. **Space Norms:** 10 (x20=200sq) feet
9. **Assessment:** QP based assessment is conducted by an Assessment Agency as deputed by the respective Sector Skill Council.
10. **Tools, Equipment, and Machinery required:** As per Annexure I
11. **Trainer Qualification:** Trainer Prerequisites for Course: Stitcher (Goods and Garments)

Sr. No.	Area	Details
1	Job Description	To deliver accredited training service, mapping to the curriculum detailed above, in accordance with the Qualification Pack “LSS/Q5501, Version 1.0”
2	Personal Attributes	Aptitude for conducting training, and pre/ post work to ensure competent, employable candidates at the end of the training. Strong communication skills, interpersonal skills, ability to work as part of a team; a passion for quality and for developing others; well-organised and focused, eager to learn and keep oneself updated with the latest in the mentioned field
3	Minimum Educational Qualifications	10th with 18 months certificate course in Goods and Garments (any) and Above
4a	Domain Certification	Certified for Job Role: “Stitcher (Goods and Garments)”, mapped to QP: “LSS/Q5501, Version 1.0”. The minimum accepted score should be as per the decision of the respective SSC guidelines
4b	Platform Certification	Recommended that the Trainer is certified for the Job Role: “Trainer”, mapped to the Qualification Pack: “MEP/Q0102”. Minimum accepted score is 80% as per the SSC guidelines.
5	Experience	Minimum 6 years site experience with Stitcher (Goods and Garments) Level-4 qualified

Curriculum

Block I is aimed at training candidates for the course of a “Stitcher (Goods and Garments)”, in the “Leather” Sector/ Industry and aims at building the following key competencies amongst the learner.

S. No.	Module Name	Key Learning Outcomes	Equipment Required
1	<p>Overview on Leather Industry and Generic Skills</p> <p>Theory Duration (hh:mm) 12:00</p> <p>Practical Duration (hh:mm) 10:00</p> <p>Corresponding NOS Code: Bridge Module</p>	<ul style="list-style-type: none"> • Explain the importance of the leather industry and describe leather manufacturing process • Explain general hazards or risk that can lead to accidents • Follow basic safety, health and hygiene measures • Demonstrate the procedure to wear PPE for safety • Communicate effectively with co-workers in writing as well as orally • Read the documents that are necessary to carry out the task 	<p>Computer, Projector, White projector screen, White board, Safety Hazard signs, Stationery, PPE</p>
2	<p>Stitch components to produce leather goods and garments</p> <p>Theory Duration (hh:mm) 04:00</p> <p>Practical Duration (hh:mm) 80:00</p> <p>Corresponding NOS Code LSS/N5501</p>	<ul style="list-style-type: none"> • Select the correct component parts to work on different style • Check the materials to be used are free from faults • Carry out operations at a rate which maintains work flow and meets production targets • Sort the work place to assist the next stage of production • Complete forms, records and other documentation • Work in conformance to legal requirements, organizational policies and procedures • Perform hand stitching operation • Set up machine according to manufacturers 'instructions and production requirements • Perform machine stitching operation • Report risks/ problems likely to affect services to the relevant person promptly and accurately 	<p>Post bed sewing machine, Computerized sewing machine, Zig-Zag machine, Embroidery machine, Flatbed sewing machine, Cylinder bed type sewing machine, Sample leather pieces, Eyeletting tool, Revolving punch, Hand creasing machine with tools, Thread trimmer, Scissors, Stitching awl, Stitch maker, Spring divider, Steel rule, Khurpi, Wooden mallet, Indenting scissors, Hand clicking knife, Pricking awl, Lasting pincers, Iron head hammer, Screwdriver, Riveting tool, Bone folder, Edge setting iron, Welt knife, Nail puller, Leather thickness measuring gauge, Manchester nippers, Spring divider, Hand sewing needles, Thread, Dendrite paste, Pasting brushes</p>
3	<p>Maintain the Work Area, Tools and Machines</p> <p>Theory Duration (hh:mm) 04:00</p> <p>Practical Duration (hh:mm) 20:00</p> <p>Corresponding</p>	<ul style="list-style-type: none"> • Ensure housekeeping and safety • Maintain workplace, tools and equipment 	<p>Gloves, Helmet, Safety shoe, Ear plug, Apron, Goggles, Cleaning cloth, Water bucket, Cleaning materials, Mop, Dust bin, Broom</p>

S. No.	Module Name	Key Learning Outcomes	Equipment Required
	NOS Code LSS/N8501		
4	Contribute to Achieving Product Quality in stitching Operations Theory Duration (hh:mm) 02:00 Practical Duration (hh:mm) 30:00 Corresponding NOS Code LSS/N5502	<ul style="list-style-type: none"> Identify the materials which are required based on the job card/ work ticket Maintain the quality of production Report when the quality of the materials fails to meet the company standards Examine the work in progress Carry out quality checks at specified intervals according to instructions Rectify the faults of stitched component with correct solution to maintain quality Maintain the required tolerance Maintain complete records and required documentation. 	Sample leather defects materials, Leather thickness measuring gauge, Gloves, Helmet, Safety shoe, Ear plug, Apron, Goggles
5	Maintain Health, Safety and Security at Workplace Theory Duration (hh:mm) 07:00 Practical Duration (hh:mm) 28:00 Corresponding NOS Code LSS/N8601	<ul style="list-style-type: none"> Identify the malfunctions in machinery and equipment to take necessary action Comply with health and safety related instructions applicable to the workplace Prepare a checklist to monitor the workplace and work processes for potential risks and threats Carry out periodic walk-throughs to keep work area free from hazards and obstructions Demonstrate procedures pertaining to first aid and fire fighting in the event of workplace emergencies Carry out mock drills/ evacuation procedure at the workplace Follow organization procedures for shutdown and evacuation when required 	First aid kit, Fire extinguisher, PPE set
6	Comply with Industry, Regulatory and Organizational Requirements Theory Duration (hh:mm) 01:00 Practical Duration (hh:mm) 02:00	<ul style="list-style-type: none"> Carry out work functions in accordance with legislation and regulations, organizational guidelines and procedures Apply and follow policies and procedures within your work practices Identify and report any possible deviation to ethical requirements 	Sample legal documents

S. No.	Module Name	Key Learning Outcomes	Equipment Required
	Corresponding NOS Code LSS/N8701		
	Total Duration Theory Duration 30:00 Practical Duration 170:00	Unique Equipment Required: Post bed sewing machine, Flat bed sewing machine, Cylinder bed type sewing machine , Sample leather pieces, Scissors, Stitching awl, Stitch maker, Spring divider, Steel rule, Khurpi, Wooden mallet , Indenting scissors, Hand clicking knife, Pricking awl, Lasting pincers, Shoe hammer, Channel opener, Edge setting iron, Welt knife, Heel iron, Nail puller, Leather thickness measuring gauge, Manchester nippers, Spring divider, Needles, Thread, Dendrite paste, Pasting brushes, Sample leather defects material, Leather thickness measuring gauge, Gloves, Helmet, Safety shoe, Ear plug, Apron, Goggles, Cleaning cloth, Water bucket, Cleaning materials, Mop, Dust bin, broom, First aid kit, Fire Extinguisher and Sample legal documents.	

Grand Total Course Duration: 200 Hours, 0 Minutes

*(This syllabus/ curriculum has been approved by **Leather Sector Skill Council**)*

Hands-On at Employer Location (Block II)

General Information

1. **Name of the Course:** Stitcher (Goods and Garments)
2. **QP Code with Version No. and QP Name :** LSS/Q5501 V 1.0, Stitcher (Goods and Garments)
3. **NSQF Level:** 4
4. **Training Duration:** 960 Hrs
5. **Batch Size:** 30
6. **Assessment:** The Leather Sector Skill Council (LSSC) will conduct the assessment at the end of Block II.
7. **Tools, Equipment, and Machinery required:** As per Annexure II
8. **Trainer Qualification:** Trainer Prerequisites for course: Stitcher (Goods and Garments)

Sr. No.	Area	Details
1	Job Description	To deliver accredited training service, mapping to the curriculum detailed above, in accordance with the Qualification Pack “LSS/Q5501, Version 1.0”
2	Personal Attributes	Aptitude for conducting training, and pre/ post work to ensure competent, employable candidates at the end of the training. Strong communication skills, interpersonal skills, ability to work as part of a team; a passion for quality and for developing others; well-organized and focused, eager to learn and keep oneself updated with the latest in the mentioned field
3	Minimum Educational Qualifications	10th with 18 months certificate course in Goods and Garments (any) and Above
4a	Domain Certification	Certified for Job Role: “Stitcher (Goods and Garments)”, mapped to QP: “LSS/Q5501, Version 1.0”. The minimum accepted score should be as per the decision of the respective SSC guidelines
4b	Platform Certification	Recommended that the Trainer is certified for the Job Role: “Trainer”, mapped to the Qualification Pack: “MEP/Q0102”. Minimum accepted score is 80% as per the SSC guidelines.
5	Experience	Minimum 6 years site experience with Stitcher (Goods and Garments) Level-4 qualified

Curriculum

Block II is aimed at training candidates for the course of a “Stitcher (Goods and Garments)”, in the “Leather” Sector/Industry and aims at building the following key competencies amongst the learner.

Sr. No.	Module	Key Learning Outcomes	Equipment Required
Week 1	<p>Stitching tools and equipment</p> <p>Theory Duration (hh:mm) 03:00</p> <p>Practical Duration (hh:mm) 37:00</p> <p>Corresponding NOS Code LSS/N5501</p>	<ul style="list-style-type: none"> • Explain the different types of stitching operation • Describe the tools and equipment used in stitching operation's • Identify hand tools and equipment used in stitching operation • Demonstrate the procedure of using tools and equipment used in stitching operation 	<p>Post bed sewing machine,</p> <p>Computerized sewing machine, Zig-Zag machine, Embroidery machine, Sample leather pieces,</p> <p>Eyeleting tool, Revolving punch, Hand creasing machine with tools, Thread trimmer, Scissors, Stitching awl, Stitch maker, Spring divider, Steel rule, Khurpi, Wooden mallet, Indenting scissors, Hand clicking knife, Pricking awl, Lasting pincers, Iron head hammer, Screwdriver, Riveting tool, Bone folder, Edge setting iron, Welt knife, Nail puller, Leather thickness measuring gauge, Manchester nippers, Spring divider, Hand sewing needles, Thread, Dendrite paste, Pasting brushes</p>
Week 2	<p>Basic stitching operations</p> <p>Theory Duration (hh:mm) 03:00</p> <p>Practical Duration (hh:mm) 37:00</p> <p>Corresponding NOS Code LSS/N5501</p>	<ul style="list-style-type: none"> • Describe the edge binding • Describe the reverse stitch • Describe the French seam top stitch • Describe the various types of stitches • Demonstrate edge binding procedure • Demonstrate reverse stitch procedure • Demonstrate French seam top stitch procedure • Demonstrate the dart sewing procedure • Demonstrate the tuck sewing procedure • Demonstrate the pleat sewing procedure 	<p>Post bed sewing machine,</p> <p>Computerized sewing machine, Zig-Zag machine, Embroidery machine, Sample leather pieces,</p> <p>Eyeleting tool, Revolving punch, Hand creasing machine with tools, Thread trimmer, Scissors, Stitching awl, Stitch maker, Spring divider, Steel rule, Khurpi, Wooden mallet, Indenting scissors, Hand clicking knife, Pricking awl, Lasting pincers, Iron head</p>

Sr. No.	Module	Key Learning Outcomes	Equipment Required
		<ul style="list-style-type: none"> • Demonstrate the piping sewing procedure • Demonstrate the gathering stitch procedure 	hammer, Screwdriver, Riveting tool, Bone folder, Edge setting iron, Welt knife, Nail puller, Leather thickness measuring gauge, Manchester nippers, Spring divider, Hand sewing needles, Thread, Dendrite paste, Pasting brushes
Week 3	Supporting operations for stitching Theory Duration (hh:mm) 03:00 Practical Duration (hh:mm) 37:00 Corresponding NOS Code LSS/N5501	<ul style="list-style-type: none"> • Explain the characteristics of different materials used for stitching • Describe the different techniques used to stitch various types of leather goods • List the common hazards in the work area • Prepare the hazard free working area for stitching operation • Check the data on the work ticket or job card • Use the correct tools and equipment • Check that the equipment is safe and ready for use • Select the correct component parts to be stitched • Check if the materials to be used are free from faults • Check the materials with the following to meet the specification matching — within a product, between a pair of products where applicable. 	Post bed sewing machine, Computerized sewing machine, Zig-Zag machine, Embroidery machine, Sample leather pieces, Eyeletting tool, Revolving punch, Hand creasing machine with tools, Thread trimmer, Scissors, Stitching awl, Stitch maker, Spring divider, Steel rule, Khurpi, Wooden mallet, Indenting scissors, Hand clicking knife, Pricking awl, Lasting pincers, Iron head hammer, Screwdriver, Riveting tool, Bone folder, Edge setting iron, Welt knife, Nail puller, Leather thickness measuring gauge, Manchester nippers, Spring divider, Hand sewing needles, Thread, Dendrite paste, Pasting brushes
Week 4	Post bed sewing machine controls and set up Theory Duration (hh:mm) 03:00 Practical Duration (hh:mm) 37:00 Corresponding NOS Code LSS/N5501	<ul style="list-style-type: none"> • Describe the procedure to set up the post bed sewing machine • Describe the pre-inspection procedure of post bed sewing machine • Describe the operating procedure of post bed sewing machine • Check the controls of the post bed sewing machine • Check the attachments of the post bed sewing machine • Change the needles of the post bed sewing machine • Change the threads of the post bed sewing machine • Change the awls of the post bed 	Post bed sewing machine, Computerized sewing machine, Zig-Zag machine, Embroidery machine, Sample leather pieces, Eyeletting tool, Revolving punch, Hand creasing machine with tools, Thread trimmer, Scissors, Stitching awl, Stitch maker, Spring divider, Steel rule, Khurpi, Wooden mallet, Indenting scissors, Hand clicking knife,

Sr. No.	Module	Key Learning Outcomes	Equipment Required
		sewing machine <ul style="list-style-type: none"> • Set the timing of the post bed sewing machine • Check the threading of the post bed sewing machine • Check the bobbin's of the post bed sewing machine • Carry out a test run to ensure machine is operating correctly 	Pricking awl, Lasting pincers, Iron head hammer, Screwdriver, Riveting tool, Bone folder, Edge setting iron, Welt knife, Nail puller, Leather thickness measuring gauge, Manchester nippers, Spring divider, Hand sewing needles, Thread, Dendrite paste, Pasting brushes
Week 5	Post bed sewing machine operations Theory Duration (hh:mm) 00:00 Practical Duration (hh:mm) 40:00 Corresponding NOS Code LSS/N5501	<ul style="list-style-type: none"> • Identify the type of stitching required from the job card • Estimate the expected length of time for the process • Place the materials on the layout of post bed sewing machine • Stitch the correct materials in the right sequence as required by the production specification • Pass the stitched item to the next stage in the manufacturing process 	Post bed sewing machine, Computerized sewing machine, Zig-Zag machine, Embroidery machine, Sample leather pieces, Eyeleting tool, Revolving punch, Hand creasing machine with tools, Thread trimmer, Scissors, Stitching awl, Stitch maker, Spring divider, Steel rule, Khurpi, Wooden mallet, Indenting scissors, Hand clicking knife, Pricking awl, Lasting pincers, Iron head hammer, Screwdriver, Riveting tool, Bone folder, Edge setting iron, Welt knife, Nail puller, Leather thickness measuring gauge, Manchester nippers, Spring divider, Hand sewing needles, Thread, Dendrite paste, Pasting brushes
Week 6	Computerized sewing machine controls and set up Theory Duration (hh:mm) 03:00 Practical Duration (hh:mm) 37:00 Corresponding NOS Code LSS/N5501	<ul style="list-style-type: none"> • Describe the procedure to set up the computerized sewing machine • Describe the pre-inspection procedure of computerized sewing machine • Describe the operating procedure of computerized sewing machine • Check the controls of the computerized sewing machine • Check the attachments of the computerized sewing machine • Change the needles of the computerized sewing machine • Change the threads of the 	Post bed sewing machine, Computerized sewing machine, Zig-Zag machine, Embroidery machine, Sample leather pieces, Eyeleting tool, Revolving punch, Hand creasing machine with tools, Thread trimmer, Scissors, Stitching awl, Stitch maker, Spring divider, Steel rule, Khurpi, Wooden mallet,

Sr. No.	Module	Key Learning Outcomes	Equipment Required
		<p>computerized sewing machine</p> <ul style="list-style-type: none"> • Change the awls of the computerized sewing machine • Set the timing of the computerized sewing machine • Check the threading of the computerized sewing machine • Check the bobbin of the computerized sewing machine • Carry out a test run to ensure machine is operating correctly 	<p>Indenting scissors, Hand clicking knife, Pricking awl, Lasting pincers, Iron head hammer, Screwdriver, Riveting tool, Bone folder, Edge setting iron, Welt knife, Nail puller, Leather thickness measuring gauge, Manchester nippers, Spring divider, Hand sewing needles, Thread, Dendrite paste, Pasting brushes</p>
Week 7	<p>Computerized sewing machine operations</p> <p>Theory Duration (hh:mm) 00:00</p> <p>Practical Duration (hh:mm) 40:00</p> <p>Corresponding NOS Code LSS/N5501</p>	<ul style="list-style-type: none"> • Identify the type of stitching required from the job card • Estimate the expected length of time for the process • Place the materials on the layout of computerized sewing machine • Stitch the correct materials in the right sequence as required by the production specification • Pass the stitched item to the next stage in the manufacturing process 	<p>Post bed sewing machine, Computerized sewing machine, Zig-Zag machine, Embroidery machine, Sample leather pieces, Eyeletting tool, Revolving punch, Hand creasing machine with tools, Thread trimmer, Scissors, Stitching awl, Stitch maker, Spring divider, Steel rule, Khurpi, Wooden mallet, Indenting scissors, Hand clicking knife, Pricking awl, Lasting pincers, Iron head hammer, Screwdriver, Riveting tool, Bone folder, Edge setting iron, Welt knife, Nail puller, Leather thickness measuring gauge, Manchester nippers, Spring divider, Hand sewing needles, Thread, Dendrite paste, Pasting brushes</p>
Week 8	<p>Zig zag sewing machine controls and set up</p> <p>Theory Duration (hh:mm) 03:00</p> <p>Practical Duration (hh:mm) 37:00</p> <p>Corresponding NOS Code</p>	<ul style="list-style-type: none"> • Describe the procedure to set up the Zig zag sewing machine • Describe the pre-inspection procedure of Zig zag sewing machine • Describe the operating procedure of Zig zag sewing machine • Check the controls of the Zig zag sewing machine • Check the attachments of the Zig zag sewing machine • Change the needles of the Zig zag sewing machine 	<p>Post bed sewing machine, Computerized sewing machine, Zig-Zag machine, Embroidery machine, Sample leather pieces, Eyeletting tool, Revolving punch, Hand creasing machine with tools, Thread trimmer, Scissors, Stitching awl, Stitch maker, Spring</p>

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	LSS/N5501	<ul style="list-style-type: none"> Change the threads of the Zig zag sewing machine Change the awls of the Zig zag sewing machine Set the timing of the Zig zag sewing machine Check the threading of the Zig zag sewing machine Check the bobbin of the Zig zag sewing machine Carry out a test run to ensure machine is operating correctly 	divider, Steel rule, Khurpi, Wooden mallet, Indenting scissors, Hand clicking knife, Pricking awl, Lasting pincers, Iron head hammer, Screwdriver, Riveting tool, Bone folder, Edge setting iron, Welt knife, Nail puller, Leather thickness measuring gauge, Manchester nippers, Spring divider, Hand sewing needles, Thread, Dendrite paste, Pasting brushes
Week 9	Zig zag sewing machine operations Theory Duration (hh:mm) 00:00 Practical Duration (hh:mm) 40:00 Corresponding NOS Code LSS/N5501	<ul style="list-style-type: none"> Identify the type of stitching required from the job card Estimate the expected length of time for the process Place the materials on the layout of the zig zag machine Stitch the correct materials in the right sequence as required by the production specification Pass the stitched item to the next stage in the manufacturing process 	Post bed sewing machine, Computerized sewing machine, Zig-Zag machine, Embroidery machine, Sample leather pieces, Eyeleting tool, Revolving punch, Hand creasing machine with tools, Thread trimmer, Scissors, Stitching awl, Stitch maker, Spring divider, Steel rule, Khurpi, Wooden mallet, Indenting scissors, Hand clicking knife, Pricking awl, Lasting pincers, Iron head hammer, Screwdriver, Riveting tool, Bone folder, Edge setting iron, Welt knife, Nail puller, Leather thickness measuring gauge, Manchester nippers, Spring divider, Hand sewing needles, Thread, Dendrite paste, Pasting brushes
Week 10	Embroidery machine controls and set up Theory Duration (hh:mm) 03:00 Practical Duration (hh:mm) 37:00	<ul style="list-style-type: none"> Describe the procedure to set up the embroidery machine Describe the pre-inspection procedure of embroidery machine Describe the operating procedure of embroidery machine Check the controls of the embroidery machine Check the attachments of the embroidery machine Change the needles of the 	Post bed sewing machine, Computerized sewing machine, Zig-Zag machine, Embroidery machine, Sample leather pieces, Eyeleting tool, Revolving punch, Hand creasing machine with tools, Thread trimmer,

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	Corresponding NOS Code LSS/N5501	embroidery machine <ul style="list-style-type: none"> • Change the threads of the embroidery machine • Change the awls of the embroidery machine • Set the timing of the embroidery machine • Check the threading of the embroidery machine • Check the bobbin of the embroidery machine • Carry out a test run to ensure machine is operating correctly 	Scissors, Stitching awl, Stitch maker, Spring divider, Steel rule, Khurpi, Wooden mallet, Indenting scissors, Hand clicking knife, Pricking awl, Lasting pincers, Iron head hammer, Screwdriver, Riveting tool, Bone folder, Edge setting iron, Welt knife, Nail puller, Leather thickness measuring gauge, Manchester nippers, Spring divider, Hand sewing needles, Thread, Dendrite paste, Pasting brushes
Week 11	Embroidery machine operations Theory Duration (hh:mm) 00:00 Practical Duration (hh:mm) 40:00 Corresponding NOS Code LSS/N5501	<ul style="list-style-type: none"> • Identify the type of stitching required from the job card • Estimate the expected length of time for the process • Place the materials on the layout of embroidery machine • Stitch the correct materials in the right sequence as required by the production specification • Pass the stitched item to the next stage in the manufacturing process 	Post bed sewing machine, Computerized sewing machine, Zig-Zag machine, Embroidery machine, Sample leather pieces, Eyeleting tool, Revolving punch, Hand creasing machine with tools, Thread trimmer, Scissors, Stitching awl, Stitch maker, Spring divider, Steel rule, Khurpi, Wooden mallet, Indenting scissors, Hand clicking knife, Pricking awl, Lasting pincers, Iron head hammer, Screwdriver, Riveting tool, Bone folder, Edge setting iron, Welt knife, Nail puller, Leather thickness measuring gauge, Manchester nippers, Spring divider, Hand sewing needles, Thread, Dendrite paste, Pasting brushes
Week 12	Cleaning and maintenance Theory Duration (hh:mm) 03:00 Practical Duration (hh:mm)	<ul style="list-style-type: none"> • Describe the safe working practices for cleaning and the method of carrying them • Identify the tools and materials used for cleaning • Carry out cleaning of machines • Identify the basic maintenance tools • Check whether the tools are free 	Post bed sewing machine, Computerized sewing machine, Zig-Zag machine, Embroidery machine, Sample leather pieces, Eyeleting tool, Revolving punch, Hand

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	37:00 Corresponding NOS Code LSS/N5501	<ul style="list-style-type: none"> from defects • Check whether the tools are clean and safe to use • Perform basic maintenance of machineries • Dispose the waste safely in the designated location 	creasing machine with tools, Thread trimmer, Scissors, Stitching awl, Stitch maker, Spring divider, Steel rule, Khurpi, Wooden mallet, Indenting scissors, Hand clicking knife, Pricking awl, Lasting pincers, Iron head hammer, Screwdriver, Riveting tool, Bone folder, Edge setting iron, Welt knife, Nail puller, Leather thickness measuring gauge, Manchester nippers, Spring divider, Hand sewing needles, Thread, Dendrite paste, Pasting brushes
Week 13	Sorting and Placing Theory Duration (hh:mm) 00:00 Practical Duration (hh:mm) 40:00 Corresponding NOS Code LSS/N5501	<ul style="list-style-type: none"> • Minimize the risk of damage • Carry out sorting of workplace • Carry out validation of the stitched item • Pass the stitched item to the next stage in the manufacturing process 	Post bed sewing machine, Computerized sewing machine, Zig-Zag machine, Embroidery machine, Sample leather pieces, Eyeleting tool, Revolving punch, Hand creasing machine with tools, Thread trimmer, Scissors, Stitching awl, Stitch maker, Spring divider, Steel rule, Khurpi, Wooden mallet, Indenting scissors, Hand clicking knife, Pricking awl, Lasting pincers, Iron head hammer, Screwdriver, Riveting tool, Bone folder, Edge setting iron, Welt knife, Nail puller, Leather thickness measuring gauge, Manchester nippers, Spring divider, Hand sewing needles, Thread, Dendrite paste, Pasting brushes
Week 14	Target and Feedback Theory Duration (hh:mm) 00:00 Practical Duration	<ul style="list-style-type: none"> • Ask questions to obtain more information on tasks when the instructions you have are unclear • Review your agreed upon work targets with your supervisor • Receive feedback from team mates on work related 	Post bed sewing machine, Computerized sewing machine, Zig-Zag machine, Embroidery machine, Sample leather pieces,

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	(hh:mm) 40:00 Corresponding NOS Code LSS/N5501	<p>performance</p> <ul style="list-style-type: none"> Ask for help and information from your colleagues, when necessary, in a polite manner Assist your colleagues willingly and politely 	<p>Eyeletting tool, Revolving punch, Hand creasing machine with tools, Thread trimmer, Scissors, Stitching awl, Stitch maker, Spring divider, Steel rule, Khurpi, Wooden mallet, Indenting scissors, Hand clicking knife, Pricking awl, Lasting pincers, Iron head hammer, Screwdriver, Riveting tool, Bone folder, Edge setting iron, Welt knife, Nail puller, Leather thickness measuring gauge, Manchester nippers, Spring divider, Hand sewing needles, Thread, Dendrite paste, Pasting brushes</p>
Week 15	<p>Reporting and Documentation</p> <p>Theory Duration (hh:mm) 00:00</p> <p>Practical Duration (hh:mm) 40:00</p> <p>Corresponding NOS Code LSS/N5501</p>	<ul style="list-style-type: none"> Demonstrate the action to rectify the faults in order to maintain product quality Report the faulty materials and component parts that do not meet specification Replace faulty materials and components Follow reporting procedures where the cause of faults cannot be identified 	<p>Sample reports, Documents</p>
Week 16	<p>Contribute to achieving the product quality in stitching operations-I</p> <p>Theory Duration (hh:mm) 03:00</p> <p>Practical Duration (hh:mm) 37:00</p> <p>Corresponding NOS Code LSS/N5502</p>	<ul style="list-style-type: none"> Explain the methods to rectify the faults found in stitching process Describe the consequences of not rectifying problems List the types of adjustments suitable for specific types of faults Identify the materials required based on the job card/ work ticket Maintain the quality of production Report when the quality of the materials fails to meet the company standards Carry out work safely at a rate which maintains work flow Report any deviation in work flow which affects the production to the supervisor 	<p>Sample leather defects materials, Leather thickness measuring gauge, Gloves, Helmet, Safety shoe, Ear plug, Apron, Goggles</p>
Week 17	<p>Contribute to achieving the product quality in stitching</p>	<ul style="list-style-type: none"> Carry out quality checks at specified intervals according to instructions 	<p>Sample leather defects materials, Leather thickness</p>

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	operations-II Theory Duration (hh:mm) 00:00 Practical Duration (hh:mm) 40:00 Corresponding NOS Code LSS/N5502	<ul style="list-style-type: none"> Maintain the required tolerance Rectify the faults of stitched component with correct solution to maintain quality Identify faults like creased, stained, damaged and incorrectly built components Report these faults to the supervisor Maintain the required productivity and quality levels 	measuring gauge, Gloves, Helmet, Safety shoe, Ear plug, Apron, Goggles
Week 18	Reporting and Documentation Theory Duration (hh:mm) 00:00 Practical Duration (hh:mm) 40:00 Corresponding NOS Code LSS/N5502	<ul style="list-style-type: none"> Identify faults in finished products and trace the causes of these faults Carry out rectification of faults to maintain product quality Follow reporting procedures where the cause of faults cannot be identified Store accurate reports and documents 	Sample leather defects materials, Leather thickness measuring gauge, Gloves, Helmet, Safety shoe, Ear plug, Apron, Goggles
Week 19	Maintenance of work area Theory Duration (hh:mm) 03:00 Practical Duration (hh:mm) 37:00 Corresponding NOS Code LSS/N8501	<ul style="list-style-type: none"> Describe the importance of good time keeping and attendance Describe the importance of minimized production cost Describe the importance of taking action when the problem is identified Prepare the work area as per the requirement Maintain a clean and hazard free working area Deal with work interruption safely Move around the workplace with care Create a comfortable position with the correct posture while working Maintain proper lighting and ventilation to make sure that there is general comfort in the work area 	Gloves, Helmet, Safety shoe, Ear plug, Apron, Goggles, Cleaning cloth, Water bucket, Cleaning materials, Mop, Dust bin, Broom
Week 20	Maintenance of tools, equipment and machines Theory Duration (hh:mm)	<ul style="list-style-type: none"> List the hazards likely to be encountered when conducting routine maintenance Describe the importance of running maintenance and regular cleaning Handle tools, equipment and machine safely and correctly Maintain tools, equipment and 	Gloves, Helmet, Safety shoe, Ear plug, Apron, Goggles, Cleaning cloth, Water bucket, Cleaning materials, Mop, Dust bin, Broom

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	03:00 Practical Duration (hh:mm) 37:00 Corresponding NOS Code LSS/N8501	<ul style="list-style-type: none"> machine in working condition Report unsafe equipment and other dangerous occurrences Store cleaning equipment safely after their use Carry out running maintenance within agreed schedules Carry out maintenance and/or cleaning outside the machine responsibility Check that the correct machine guards are in place 	
Week 21	Maintain health, safety and security at work place-I Theory Duration (hh:mm) 03:00 Practical Duration (hh:mm) 37:00 Corresponding NOS Code LSS/N8601	<ul style="list-style-type: none"> Explain occupational health and safety risk List the different Personal Protective equipment used Comply with health and safety related instructions applicable to the workplace Demonstrate the method of wearing the different Personal Protective equipment as per protocol Carry out own activities in line with approved guidelines and procedures Check for any malfunction in machinery and equipment Repair the possible malfunction in machinery and equipment Report any service malfunctions that cannot be rectified with documentation 	First aid kit, Fire extinguisher, PPE set
Week 22	Maintain health, safety and security at work place-II Theory Duration (hh:mm) 00:00 Practical Duration (hh:mm) 40:00 Corresponding NOS Code LSS/N8601	<ul style="list-style-type: none"> Prepare a checklist to monitor the workplace and work processes for potential risks and threats Store materials and equipment in line with manufacturer's and organizational requirements Carry out periodic walk-through to keep work area free from hazards and obstructions Report hazards and potential risks/ threats to supervisors or other authorized personnel Carry out mock drills/ evacuation procedure at the workplace Demonstrate procedures pertaining to first aid and fire fighting in the event of workplace emergencies Follow organization procedures for shutdown and evacuation when required 	First aid kit, Fire extinguisher, PPE set
Week 23	Comply with industry, regulatory and	<ul style="list-style-type: none"> Carry out work functions in accordance with legislation and 	Sample legal documents

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	organizational requirement Theory Duration (hh:mm) 00:00 Practical Duration (hh:mm) 40:00 Corresponding NOS Code LSS/N8701	regulations, organizational guidelines and procedures <ul style="list-style-type: none"> Obtain clarifications on policies and procedures from the supervisor Follow the policies and procedures within the work practices Identify any possible deviation to ethical requirements Report any possible deviation to ethical requirements 	
Week 24	Revision Theory Duration: (hh:mm) 04:00 Practical Duration: (hh:mm) 36:00 Corresponding NOS Code LSS/N5501 LSS/N5502 LSS/N8501 LSS/N8601 LSS/N8701	<ul style="list-style-type: none"> Summarize the skills learned in previous weeks Practice all the previous exercises 	All the equipment as mentioned above for Stitcher (Goods and Garments)
	Total Duration Theory Duration 40:00 Practical Duration 920:00	Unique Equipment Required: Post bed sewing machine, Computerized sewing machine, Zig-Zag machine, Embroidery machine, Sample leather pieces, Scissors, Stitching awl, Stitch maker, Spring divider, Steel rule, Khurpi, Wooden mallet , Indenting scissors, Hand clicking knife, Pricking awl, Lasting pincers, Shoe hammer, Channel opener, Edge setting iron, Welt knife, Heel iron, Nail puller, Leather thickness measuring gauge, Manchester nippers, Spring divider, Needles, Thread, Dendrite paste, Pasting brushes, Sample leather defects material, Leather thickness measuring gauge, Gloves, Helmet, Safety shoe, Ear plug, Apron, Goggles, Cleaning cloth, Water bucket, Cleaning materials, Mop, Dust bin, broom, First aid kit, Fire Extinguisher and Sample legal documents.	

Grand Total Course Duration: 960 Hours, 0 Minutes

Assessment Criteria

Job Role	Stitcher (Goods and Garments)
Qualification Pack	LSS/Q5501, v1.0
Sector Skill Council	Leather Sector Skill Council

Sr. No.	Guidelines for Assessment
1.	Criteria for assessment for each qualification pack will be created by the sector skill council. Each performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC
2.	The assessment for the theory part will be based on knowledge bank of questions created by the SSC
3.	Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training centre (as per assessment criteria below)
4.	Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training centre based on these criteria
5.	To pass the Qualification Pack, every candidate should score a minimum of 50% aggregate
6.	In case of successfully passing only certain number of NOS's, the trainee is eligible to take subsequent assessment on the balance NOS's to pass the Qualification Pack

NOS	Performance Criteria	Total Mark	Out Of	Marks Allocation	
				Theory	Skills Practical
1. LSS/N5501: Assist in dry operations in finished leather	PC1. Make sure the work area is free from hazards	100	2	0	2
	PC2. Follow the instructions on the work ticket/ job card in line with the responsibilities of your job role		1	0	1
	PC3. Ask questions to obtain more information on tasks when the instructions you have are unclear		2	0	2
	PC4. Agree and review your agreed upon work targets with your supervisor		1	0	1
	PC5. and check for special instructions, if any		1	0	1
	PC6. Use the correct tools and equipment		6	5	1
	PC7. Check that equipment is safe and set up in readiness for use		1	0	1
	PC8. Select the correct component parts or the style being worked on		1	0	1
	PC9. Check that the materials to be used are free from faults		1	0	1

NOS	Performance Criteria	Total Mark	Out Of	Marks Allocation	
				Theory	Skills Practical
	PC10. Ensure the materials used meet the specification matching <input type="checkbox"/> Within a product <input type="checkbox"/> Between a pair of products where applicable		7	5	2
	PC11. Report faults in the materials		1	0	1
	PC12. Carry out operations at a rate which maintains work flow and meets production targets		1	0	1
	PC13. Conform to company quality standards		1	0	1
	PC14. Report any damaged work to the responsible person		1	0	1
	PC15. Follow company reporting procedures about defective tools and machines which affect work and report risks/ problems likely to affect services to the relevant person promptly and accurately		1	0	1
	PC16. Seek feedback from team mates on work related performance		1	0	1
	PC17. Ask for help and information from your colleagues, when necessary, in a polite manner		1	0	1
	PC18. Anticipate and respond to requests for assistance from colleagues willingly and politely		2	0	2
	PC19. Follow and utilize opportunities for learning		1	0	1
	PC20. Update and develop knowledge of the products		1	0	1
	PC21. Check with others when unsure of new product details		1	0	1
	PC22. Sort and place work to assist the next stage of production and minimize the risk of damage		1	0	1
	PC23. Leave work area safe and secure when work is complete		2	0	2
	PC24. Complete forms, records and other documentation		1	0	1
	PC25. Work in conformance to legal requirements, organizational policies and procedures		1	0	1
	PC26. Make sure the work area is free from hazards		6	5	1
	PC27. Carry out work functions in line with the responsibilities of your job role		1	0	1

NOS	Performance Criteria	Total Mark	Out Of	Marks Allocation	
				Theory	Skills Practical
	PC28. Examine the specific item to identify what type of stitching is best suited		2	0	2
	PC29. Ask questions to obtain more information on tasks when the instructions you have are unclear and finalize the stitching option with the supervisor, in case of queries		2	0	2
	PC30. Estimate the expected length of time for the process		1	0	1
	PC31. Set up machine according to manufacturers' instructions and production requirements- <input type="checkbox"/> Post Bed Sewing M/c <input type="checkbox"/> Computerized Sewing M/c <input type="checkbox"/> Zig Zag M/c <input type="checkbox"/> Embroidery M/c <input type="checkbox"/> Thread cutter for Non-Leather components		1	0	1
	PC32. Use the correct machine, tools and equipment		1	0	1
	PC33. Set Machine controls for the materials being stitched		1	0	1
	PC34. Perform a test run to ensure machine is operating correctly		1	0	1
	PC35. Adjust machine controls where necessary		1	0	1
	PC36. Report defective machines, tools and/or equipment to the responsible person		6	5	1
	PC37. Operate machines safely and in accordance with guidelines		2	0	2
	PC38. Optimize the positioning and layout of materials to ensure a smooth and rapid throughout		1	0	1
	PC39. Check the equipment prior to making the stitching, including: <input type="checkbox"/> Correct controls <input type="checkbox"/> Correct attachments <input type="checkbox"/> Changing needles <input type="checkbox"/> Changing threads <input type="checkbox"/> Changing awls <input type="checkbox"/> Correct Timing <input type="checkbox"/> Threading - threading sequence, thread tension, stitch quality <input type="checkbox"/> Bobbin- winding & changing		13	10	3
	PC40. Adjust the tension and stitch length		1	0	1
	PC41. Stitch the correct materials in the right sequence as required by the production specification		2	0	2
	PC42. Pass the stitched item to the		2	0	2

NOS	Performance Criteria	Total Mark	Out Of	Marks Allocation	
				Theory	Skills Practical
	next stage in the manufacturing process after validation				
	PC43. Respond accordingly where stitched items do not meet production specification		1	0	1
	PC44. Minimize and dispose of waste materials in the approved manner		1	0	1
	PC45. Seek feedback from team mates on work related performance		1	0	1
	PC46. Ask for help and information from your colleagues, when necessary, in a polite manner		1	0	1
	PC47. Anticipate and respond to requests for assistance from colleagues willingly and politely		2	0	2
	PC48. Follow and utilize opportunities for learning		1	0	1
	PC49. Update and develop knowledge of the products		1	0	1
	PC50. Check with others when unsure of new product details		1	0	1
	PC51. Clean and make safe machines after use		1	0	1
	PC52. Carry out basic maintenance of own machines		2	0	2
	PC53. Report risks/ problems likely to affect services to the relevant person promptly and accurately		1	0	1
	PC54. Complete forms, records and other documentation		2	0	2
	PC55. Work in conformance to legal requirements, organizational policies and procedures		1	0	1
		Total	100	30	70
2. LSS/N5502: Contribute to achieving the product quality in stitching operations	PC1. Identify and use materials required based on the job card/ work ticket	50	1	0	1
	PC2. Take the necessary action when materials do not conform to company quality standards		6	5	1
	PC3. Report and replace identified faulty materials and component parts which do not meet specification		11	10	1
	PC4. Carry out work safely and at a rate which maintains work flow		1	0	1
	PC5. Report to the responsible person when the work flow of other production areas disrupts work		2	0	2

NOS	Performance Criteria	Total Mark	Out Of	Marks Allocation	
				Theory	Skills Practical
	PC6. Test, sort, track feed and examine work in progress		11	10	1
	PC7. Carry out quality checks at specified intervals according to instructions		1	0	1
	PC8. Apply the allowed tolerances		1	0	1
	PC9. Identify faults and take appropriate action for rectification		1	0	1
	PC10. Make adjustments promptly to return product to specification		1	0	1
	PC11. Fault-find materials and components for creased, stained, damage and incorrectly made-up component parts		1	0	1
	PC12. Report faults in other processes to the appropriate person		11	10	1
	PC13. Maintain the required productivity and quality levels		1	0	1
	PC14. Complete and maintain documentation		1	0	1
		Total	50	35	15
3. LSS/N8501: Maintain the work area, tools and machines	PC1. Handle materials, machinery, equipment and tools safely and correctly	50	2	0	2
	PC2. Use correct lifting and handling procedures		1	0	1
	PC3. Use materials to minimize waste		2	0	2
	PC4. Prepare and organize work		3	0	3
	PC5. Maintain a clean and hazard free working area		1	0	1
	PC6. Deal with work interruptions		5	0	5
	PC7. Move around the workplace with care		1	0	1
	PC8. Maintain tools and equipment		8	5	3
	PC9. Carry out running maintenance within agreed schedules		1	0	1
	PC10. Carry out maintenance and/or cleaning outside responsibility		1	0	1
	PC11. Report unsafe equipment and other dangerous occurrences		1	0	1
	PC12. Ensure that the correct machine guards are in place		2	0	2
	PC13. Work in a comfortable		1	0	1

NOS	Performance Criteria	Total Mark	Out Of	Marks Allocation	
				Theory	Skills Practical
	position with the correct posture				
	PC14. Use cleaning equipment and methods appropriate for the work to be carried out		2	0	2
	PC15. Dispose waste safely in the designated location		11	10	1
	PC16. Store cleaning equipment safely after use		1	0	1
	PC17. Complete and store documentation		2	0	2
	PC18. Maintain proper lighting, ventilation to make sure general comfort is there while working		1	0	1
	PC19. Give inputs and assist in completing documentation		1	0	1
	PC20. Report the need for maintenance and/or cleaning outside your area of responsibility		1	0	1
	PC21. Ensure safe and correct handling of materials, equipment and tools		1	0	1
	PC22. Maintain appropriate environment to protect stock from pilfering, theft, damage and deterioration		1	0	1
		Total	50	15	35
4. LSS/N8601: Maintain health, safety and security at workplace	PC1. Comply with health and safety related instructions applicable to the workplace	25	1	0	1
	PC2. Use and maintain personal protective equipment as per protocol		1	0	1
	PC3. Carry out own activities in line with approved guidelines and procedures		0.5	0	0.5
	PC4. Maintain a healthy lifestyle and guard against dependency on intoxicants		1	0	1
	PC5. Follow environment management system related procedures		6	5	1
	PC6. Identify and correct (if possible) malfunctions in machinery and equipment		0.5	0	0.5
	PC7. Report any service malfunctions that cannot be rectified		1	0	1
	PC8. Store materials and equipment in line with manufacturer's and organizational requirements		1	0	1
	PC9. Safely handle and move		1	0	1

NOS	Performance Criteria	Total Mark	Out Of	Marks Allocation	
				Theory	Skills Practical
	waste and debris				
	PC10. Minimize health and safety risks to self and others due to own actions		0.5	0	0.5
	PC11. Seek clarifications, from supervisors or other authorized personnel in case of perceived risks		1	0	1
	PC12. Monitor the workplace and work processes for potential risks and threats		1	0	1
	PC13. Carry out periodic walk-through to keep work area free from hazards and obstructions, if assigned		0.5	0	0.5
	PC14. Report hazards and potential risks/ threats to supervisors or other authorized personnel		6	5	1
	PC15. Participate in mock drills/ evacuation procedures organized at the workplace		0.5	0	0.5
	PC16. Undertake first aid, fire-fighting and emergency response training, if asked to do so		1	0	1
	PC17. Take action based on instructions in the event of fire, emergencies or accidents		0.5	0	0.5
	PC18. Follow organization procedures for shutdown and evacuation when required		1	0	1
	Total		25	10	15
5. LSS/N8701: Comply with industry, regulatory and organizational requirements	PC1. Carry out work functions in accordance with legislation and regulations, organizational guidelines and procedures	25	9	5	4
	PC2. Seek and obtain clarifications on policies and procedures, from the supervisor or other authorized personnel		3	0	3
	PC3. Apply and follow these policies and procedures within the work practices		2	0	2
	PC4. Provide support to the supervisor and team members in enforcing these considerations		9	5	4
	PC5. Identify and report any possible deviation to these requirements		2	0	2
	Total		25	10	15
	Grand Total	250	250	100	150

Annexure I: Tools and Equipment for Basic Training (Block I)

Sector: Leather

Block I QP Code with Version No. or Course Code: LSS/Q5501, V1.0

Block I QP Name or Course Name: Stitcher (Goods and Garments)

Block I NSQF Level: 4

Sr. No	Equipment Name	Minimum number of Equipment required (per batch of 30 trainees)	Unit Type	Is this a mandatory Equipment to be available at the Training Center (Yes/No)	Dimension/ Specification/ Description of the Equipment/ ANY OTHER REMARK
1	Post bed sewing machine	1	Nos	Yes	7" Post bed assembled table unit with 800W 1HP adjustable speed Smart Servo motor
2	Flatbed sewing machine	1	Nos	Yes	Stainless steel bed plate 6 utility stitches including a 4-step buttonhole, top drop-in bobbin system, 3 needle positions
3	Cylinder bed type sewing machine	1	Nos	Yes	2000 rpm high-speed, Sew quiet 3000 DC Servomotor 48 by 20 by 39 inches
4	Sample leather pieces	1	Nos	Yes	As per client specification
5	Scissors	10	Nos	Yes	150mm and 300mm
6	Measuring tape	2	Nos	Yes	Standard
7	Stitching awl	2	Nos	Yes	Wooden and stainless steel, Dig hole, pick thread, marking, Length:12cm
8	Stitch maker	2	Nos	Yes	Wood and steel, Screwdriver included to help change the wheels. Interchangeable wheels for marking 5, 6 and 7 holes per inch
9	Spring divider	2	Nos	Yes	150mm Spring Divider
10	Steel rule	2	Nos	Yes	Stainless Steel 6" - 15 NOS & 12 "

11	Khurpi	2	Nos	Yes	Wooden Handle Height:- 9 Width:- 7.5 Length: 34
12	Wooden mallet	2	Nos	Yes	SOBA 112mm 4-1/2 Inch, 112 mm, 0.500 kg
13	Indenting scissors	2	Nos	Yes	150mm and 300mm
14	Hand clicking knife	5	Nos	Yes	Stainless Steel
15	Hammer	2	Nos	Yes	100 gms, 200 gms, 300 gms and 500 gms
16	Pricking awl	5	Nos	Yes	Tempered sharp steel needle with wooden handle
17	Welt knife	2	Nos	Yes	knife-edge-square-wwelt-17-x-17
18	Nail puller	2	Nos	Yes	75x5mm Nail Puller
19	Manchester nippers	2	Nos	Yes	115mm Nipper
20	Needles	2	Set	Yes	Material: Stainless Steel Type of Needles: 2/0
21	Thread	2	Set	Yes	1x 285 yards 1mm sewing waxed thread 150D
22	Dendrite paste	1	Nos	Yes	FF555 synthetic rubber
23	Pasting brushes	1	Nos	Yes	1" x 7/16" 1 1/2" x 1/2" 2" x 9/16" 3" x 11/16"
24	Sample leather defects material	1	Set	Yes	NA
25	Screwdriver	1	Set	Yes	Small size and long size
26	Leather thickness measuring gauge	1	Nos	No (Can be made available at OJT site)	<ul style="list-style-type: none"> Measuring Range: 0 to 10 mm Least count of dial gauge: 0.01 Diameter of anvil: 50 mm approximately Diameter of indenter: 10 mm Pressure on indenter: 100 gm/cm² Throat depth: 50 mm
27	Garbage bins	3	Nos	Yes	30 lts capacity
28	Dustpan with handle and broom	1	Nos	Yes	Long handle
29	Dry and wet mob	2	Nos	Yes	Long handle
30	Bucket	1	Nos	Yes	20 lts capacity

31	PPE set	2	Nos	Yes	Standard
32	First aid kit	1	Nos	Yes	Standard
33	Fire extinguisher	1	Nos	Yes	ABC Type

Annexure II: Tools and Equipment for Hands-On at Employer Location (Block II)

Sector: Leather

Block II QP Code with Version No. or Course Code: LSS/Q5501, V1.0

Block II QP Name or Course Name: Stitcher (Goods and Garments)

Block II NSQF Level: 4

Sr. No	Equipment Name	Minimum number of Equipment required (per batch of 30 trainees)	Unit Type	Is this a mandatory Equipment to be available at the Training Centre (Yes/No)	Dimension/ Specification/ Description of the Equipment/ ANY OTHER REMARK
1	Post bed sewing machine	1	Nos	Yes	7" Post bed assembled table unit with 800W 1HP adjustable speed Smart Servo motor
2	Flatbed sewing machine	1	Nos	Yes	Stainless steel bed plate 6 utility stitches including a 4-step buttonhole, top drop-in bobbin system, 3 needle positions
3	Cylinder bed type sewing machine	1	Nos	Yes	2000 rpm high-speed, Sew quiet 3000 DC Servomotor 48 by 20 by 39 inches
4	Sample leather pieces	1	Nos	Yes	As per client specification
5	Scissors	10	Nos	Yes	150mm and 300mm
6	Measuring tape	2	Nos	Yes	Standard
7	Stitching awl	2	Nos	Yes	Wooden and stainless steel, Dig hole, pick thread, marking, Length:12cm
8	Stitch maker	2	Nos	Yes	Wood and steel, Screwdriver included to help change the wheels. Interchangeable wheels for marking 5, 6 and 7 holes per inch

9	Spring divider	2	Nos	Yes	150mm Spring Divider
10	Steel rule	2	Nos	Yes	Stainless Steel 6" - 15 NOS & 12 "
11	Khurpi	2	Nos	Yes	Wooden Handle Height:- 9 Width:- 7.5 Length: 34
12	Wooden mallet	2	Nos	Yes	SOBA 112mm 4-1/2 Inch, 112 mm, 0.500 kg
13	Indenting scissors	2	Nos	Yes	150mm and 300mm
14	Hand clicking knife	5	Nos	Yes	Stainless Steel
15	Hammer	2	Nos	Yes	100 gms, 200 gms, 300 gms and 500 gms
16	Pricking awl	5	Nos	Yes	Tempered sharp steel needle with wooden handle
17	Welt knife	2	Nos	Yes	knife-edge-square-wwelt-17- x-17
18	Nail puller	2	Nos	Yes	75x5mm Nail Puller
19	Manchester nippers	2	Nos	Yes	115mm Nipper
20	Needles	2	Set	Yes	Material: Stainless Steel Type of Needles: 2/0
21	Thread	2	Set	Yes	1x 285 yards 1mm sewing waxed thread 150D
22	Dendrite paste	1	Nos	Yes	FF555 synthetic rubber
23	Pasting brushes	1	Nos	Yes	1" x 7/16" 1 1/2" x 1/2" 2" x 9/16" 3" x 11/16"
24	Sample leather defects material	1	Set	Yes	NA
25	Screwdriver	1	Set	Yes	Small size and long size
26	Leather thickness measuring gauge	1	Nos	No (Can be made available at OJT site)	<ul style="list-style-type: none"> Measuring Range: 0 to 10 mm Least count of dial gauge: 0.01 Diameter of anvil: 50 mm approximately Diameter of indenter: 10 mm Pressure on indenter: 100 gm/cm²

					• Throat depth: 50 mm
27	Garbage bins	3	Nos	Yes	30 lts capacity
28	Dustpan with handle and broom	1	Nos	Yes	Long handle
29	Dry and wet mob	2	Nos	Yes	Long handle
30	Bucket	1	Nos	Yes	20 lts capacity
31	PPE set	2	Nos	Yes	Standard
32	First aid kit	1	Nos	Yes	Standard
33	Fire extinguisher	1	Nos	Yes	ABC Type

Further Learning

Learning Pathways

After completion of the apprenticeship training, the candidates have wide career choices available with them in the Leather industry. A candidate after completing apprenticeship can be skilled horizontally in various segments like Cutter (LSS/Q5301), Skiving Operator (LSS/Q5401) and vertically as Quality Control Inspector (Goods and Garments) (LSS/Q5701) in plant hierarchy.

Employment Opportunities

Apart from above mentioned avenues, the apprentice can always aspire to be one of the following:

1. **Footwear manufacturing units in India:** The apprentice may be employed with the biggest player of the trades and be a part of their manufacturing set and deliver quality work.
2. **Footwear manufacturing set up/Retail Unit:** The apprentice may be encouraged to set up their own manufacturing unit, which they may also channelize into owning a retail unit and be able to sell their merchandise directly to the consumers.
3. **Education and Training:** They may also take up the role of the instructor in this field where they can impart their manufacturing knowledge to the aspiring students.