

**CURRICULUM FOR**

**THE TRADE OF**

**LASTING OPERATOR**  
**(FOOTWEAR)**

**UNDER**

**APPRENTICESHIP TRAINING SCHEME (ATS)**

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## **BACKGROUND**

### **• Apprenticeship Training Scheme under Apprentice Act 1961**

The Apprentices Act enacted in 1961 with the objective of regulating the program of training of apprentices in the industry by utilizing the facilities available therein for imparting on-the-job training. The Act makes it obligatory for employers in specified industries to engage apprentices in designated trades and in optional trades to impart Apprenticeship Training on the job in industry to school leavers, graduates/ diploma and person having National Trade Certificate (ITI pass-outs) issued by National Council for Vocational Training (NCVT) to develop skilled manpower for the industry. There are five categories of apprentices namely; trade apprentice, graduate, technician, technician (vocational) apprentices and optional trade apprentice.

Qualifications and period of apprenticeship training of trade apprentices and optional trade apprentices vary from trade to trade. The apprenticeship training for trade apprentices and optional trade apprentices consists of basic training followed by practical training. At the end of the training, the apprentices are required to appear in a trade test conducted by NCVT and those successful in the trade tests are awarded the National Apprenticeship Certificate.

### **• Changes in Industrial Scenario**

Recently we have seen huge changes in the Indian industry. The Indian Industry registered an impressive growth during the last decade and half. The number of industries in India have increased manifold in the last fifteen years especially in services and manufacturing sectors. It has been realized that India would become a prosperous and a modern state by raising skill levels, including by engaging a larger proportion of apprentices, will be critical to success; as will stronger collaboration between industry and the trainees to ensure the supply of skilled workforce and drive development through employment. Various initiatives to build up an adequate infrastructure for rapid industrialization and improve the industrial scenario in India have been taken.

### **• Reformation**

The Apprentices Act, 1961 has been amended and brought into effect from 22<sup>nd</sup> December 2014 to make it more responsive to industry and youth. Key amendments are as given below:

- Prescription of number of apprentices to be engaged at establishment level instead of trade-wise.
- Establishment can also engage apprentices in optional trades which are not designated, with the discretion of entry level qualification and syllabus.
- Scope has been extended also to non-engineering occupations.
- Establishments have been permitted to outsource basic training in an institute of their choice.
- The burden of compliance on industry has been reduced significantly.

## **RATIONALE**

### Need for Apprenticeship in trade for Lasting Operator (Footwear)

1. The greater degree of relevance of the training with latest advancements of the industry will enhance the employability opportunities.
2. Ability to assess last and other components for footwear lasting that is suitable as per design.
3. Ability to know the procedure of lasting with accurate replica of the design
4. Ability to check quality of lasted footwear to ensure that leather is fixed properly to all sides (forepart, seat and side).
5. Ability to do proper usage of tools for quality lasting.
6. Ability for using adhesive for proper finish while lasting.
7. Ability to control leather and other wastage as much as possible
8. Ability to choose correct pair of last.
9. Ability to detect product defects to achieve correct pair, weight, finish, and dimensions as per design.
10. Ability to deliver complete product on time by reporting problems faced or anticipated well in advance.
11. Ability to understand and control the machine temperature, pressure, dwell time etc. while lasting the footwear.

### **JOB ROLE: Description**

The Lasting operator would be a multi-skilled operator capable of operating the various machines used in lasting process and also skillful to perform various specialized tasks. Some of the most skillful activities in lasting process will involve fore-part Lasting, Seat Lasting, and Roughing etc.

Lasting operator must possess, concentration, good eye hand co-ordination, monitoring ability, vision (including near vision, distance vision, color vision, peripheral vision), depth perception, quick response time or reflex, physical fitness, target oriented as well basic estimation and numerical skills.

## GENERAL INFORMATION


1. Name of the Trade : Lasting Operator (Footwear)
2. Duration of Apprenticeship Training : 200 Hrs+40 Hrs=240 Hrs & 960 Hrs  
(Basic Training & Practical Training)
3. Duration of Basic Training : Block-I: 200 Hrs + 40 Hrs Employability & Entrepreneurship  
Total duration of Basic Training : 240 Hrs (Additionally, 20 Hrs Digital Literacy inputs given in online mode)
4. Duration of Practical Training : Block-II: 960 HRS, i.e. 36 weeks or 9 months  
(On-job Training)
5. Entry Qualification : Passed 10<sup>th</sup> class
6. Selection of Apprentices : The apprentices will be selected as per Apprenticeship Act amended time to time
7. Rebate for ITI passed trainees : N.A.

*Note: Industry may impart training as per above time schedule, however this is not fixed. The industry may adjust the duration of training considering the fact that all the components under the syllabus must be covered. However, the flexibility should be given keeping in view that no safety aspect is compromised and duration of industry training to be remain as 1 year.*

## COURSE STRUCTURE

Training duration details: -

<b>Time (in hours) Recommended Duration</b>	<b>240 hours</b>	<b>960 hours 36 weeks (9 months)</b>
<b>Basic Training</b>	<b>Block- I</b>	<b>-----</b>
<b>Practical Training (On-job training)</b>	<b>-----</b>	<b>Block- II</b>

<b>Components of Training</b>	<b>Months</b>											
	1	2	3	4	5	6	7	8	9	10	11	12
<b>Basic Training Block - I</b>												
<b>Practical Training Block - II</b>												



# CURRICULUM

## BASIC TRAINING

### **(BLOCK – I)**

**DURATION: 200 hrs+40 hrs (Employability and Entrepreneurship Training) = 240 hrs**

(Additionally, 20 Hrs Digital Literacy inputs given in online mode)

**Total duration of Basic Training: 240 Hrs**

### **GENERAL INFORMATION**

1. **Name of Trade** : Lasting Operator (Footwear)
2. **Hours of Instruction** : 200 Hrs+40 Hrs=240 Hrs.
3. **Batch size** : 30
4. **Power Norms** : 6 KW for Workshop
4. **Space Norms** : 10 (x20=200sq) feet
5. **Examination** : The internal assessment will be held on the completion of Block-I.
6. **Instructor Qualification** :

Trainer pre-requisites for job role: **Lasting Operator (Footwear)**

Sr. No.	Area	Details
1	<b>Description</b>	To deliver accredited training service, mapping to the curriculum detailed above, in accordance with the Qualification Pack “LSS/Q2701, Version 1.0”.
2	<b>Personal Attributes</b>	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	<b>Minimum Educational Qualifications</b>	10 <sup>th</sup> with 18 months certificate course in Footwear (any) and above
4a	<b>Domain Certification</b>	Certified for Job Role: Lasting Operator (Footwear): Component mapped to QP: “LSS/Q2701, v1.0”. Minimum accepted score as per SSC guidelines is 80% on the SSC prescribed online theory assessment test based on an industry validated question bank.
4b	<b>Platform Certification</b>	Recommended that the Trainer is certified for the Job Role: “Trainer”, mapped to the Qualification Pack: “SSC/Q1402”. Minimum accepted score for the trainer is 80% as per SSC guidelines.
5	<b>Experience</b>	Minimum 6 years site experience with Lasting Operator (Footwear) Level-4 qualified

## Basic Training: Lasting Operator (Footwear) – LSS/Q2701

### MODEL CURRICULUM

This program is aimed at training candidates for the job of a “Lasting Operator (Footwear)”, in the “Leather” Sector/ Industry and aims at building the following key competencies amongst the learner.

Program Name	Lasting Operator (Footwear)		
Qualification Pack Name & Reference ID	LSS/Q2701, V1.0		
Version No.	1.0	Version Update Date	15-06-2016
Pre-requisites to Training	Class V		
Training Outcomes	<p><b>After completing this programme, participants will be able to:</b></p> <ul style="list-style-type: none"><li>• <b>Gain knowledge on overview of leather industry and generic skills:</b> General instructions to importance of leather industry, general hazards in leather industry, basic health safety and hygiene precautions, generic skills to be followed in leather industry.</li><li>• <b>Perform pre-operational activities:</b> Identification of last required for creating upper, endure necessary preparation required for lasting operation and follow standard procedure.</li><li>• <b>Learn and perform lasting operation:</b> Carry out lasting operations appropriately.</li><li>• <b>Handle work area, tools and machines appropriately:</b> Ensure correct handling of material, tools and machines, maintain clean and hazard free work area, proper usage of cleaning equipment, maintain correct usage of workplace tools and equipment.</li><li>• <b>Contribute to achieve quality product in lasting process:</b> Ensure that lasting is done properly to go for next process, quality checks and fault identification in lasting and maintain records and documents.</li><li>• <b>Become well versed with environment, health, safety &amp; security at work:</b> Well versed with health and safety measures in terms of personal safety and equipment safety relevant to lasting occupation.</li><li>• <b>Follow industrial regularity and organizational requirements:</b> Carry out work in accordance with organizational guidelines and procedures, identify and report any possible deviation.</li></ul>		

Sr. No.	Module	Key Learning Outcomes	Equipment Required
1	<b>Overview on Leather Industry and Generic Skills</b>  <b>Theory Duration</b> (hh:mm) 12:00  <b>Practical Duration</b> (hh:mm) 10:00  <b>Corresponding NOS Code</b> Core skills/ Generic skills and Professional skills collated from all the NOS of the QP	<ul style="list-style-type: none"> <li>• Explain the importance of leather industry</li> <li>• Describe leather manufacturing process</li> <li>• Explain general hazards or risk that can lead to accidents</li> <li>• Follow basic safety, health and hygiene measures</li> <li>• Wear and use PPE for safety</li> <li>• Carry out communication effectively with co-workers in writing as well as orally</li> <li>• Read the documents that are necessary for them to read to carry out operator's task</li> </ul>	Chairs, Trainers desk and Computer, Student table, Projector, White projector screen, White board, Flip chart display stand, Safety Hazard signs, Newspaper, Stationery, PPE set
2	<b>Carry out Lasting Operations by hand</b>  <b>Theory Duration</b> (hh:mm) 03:00  <b>Practical Duration</b> (hh:mm) 50:00  <b>Corresponding NOS Code</b> NA	<ul style="list-style-type: none"> <li>• Describe tools and materials used in lasting operations</li> <li>• Identify hand tools used in lasting operations</li> <li>• Prepare work area for lasting operations</li> <li>• Describe Toe Cap and Counter Fixing, Fore-Part, Side and Seat Lasting operations</li> <li>• Perform Toe Cap and Counter Fixing, Fore-Part, Side and Seat Lasting operations</li> </ul>	Last, Upper, Tack hammer, PPE, Screwdriver, Lasting plier, Shoemaking pincher, Cutting nipper, Tack puller, Thickness measuring gauge, Leather shear, Scratch awl, Hex key, Spanner set, Knife, Last working mallet, Nails, Brush, PU adhesive, Toe cap, Foam, Blower, Cotton cloth, Iron, Shoe brush, Tape, Thread, Shank, Cork, Heel pad
3	<b>Carry out Lasting Operations using Machine</b>  <b>Theory Duration</b> (hh:mm) 01:00  <b>Practical Duration</b> (hh:mm) 33:00  <b>Corresponding NOS Code</b> LSS/N2701	<ul style="list-style-type: none"> <li>• Describe tools and materials used in lasting operations</li> <li>• Identify hand tools and machines used in lasting operations</li> <li>• Prepare work area for lasting operations</li> <li>• Describe counter tightening, toe moulding, forepart lasting, seat lasting, side lasting, roughing, sole pressing, de-lasting operations</li> <li>• Perform counter tightening, toe moulding, forepart lasting, side lasting, seat lasting, roughing, sole pressing, de-lasting operations</li> </ul>	Last, Upper, Tack hammer, PPE, Screwdriver, Lasting plier, Shoemaking pincher, Cutting nipper, Tack puller, Thickness measuring gauge, Leather shear, Scratch awl, Hex key, Spanner set, Knife, Last working mallet, Nails, Brush, PU adhesive, Toe cap, Foam, Counter tightening machine, Toe moulding machine, Forepart

Sr. No.	Module	Key Learning Outcomes	Equipment Required
			lasting machine, Seat and side lasting machine, Roughing m/c, Sole pressing machine, De-lasting machine, Blower, Cotton cloth, Iron, Shoe brush, Tape, Thread, Shank, Cork, Heel pad
4	<b>Contribute to Achieving Product Quality in Lasting Operations</b>  <b>Theory Duration</b> (hh:mm) 05:00  <b>Practical Duration</b> (hh:mm) 33:00  <b>Corresponding NOS Code</b> LSS/N2702	<ul style="list-style-type: none"> <li>Operate machine in accordance with machine and workplace standards</li> <li>Identify faults in materials and products</li> <li>Maintain product quality</li> <li>Explain ISO and 5S</li> <li>Maintain equipment's</li> <li>Document and report faulty materials and component parts to the supervisor</li> </ul>	Sample footwear with defects after lasting operations, Inspection report documents, Gloves, Safety shoe, Ear plug, Apron
5	<b>Maintain the Work Area, Tools and Machines</b>  <b>Theory Duration</b> (hh:mm) 06:00  <b>Practical Duration</b> (hh:mm) 26:00  <b>Corresponding NOS Code</b> LSS/N8501	<ul style="list-style-type: none"> <li>Ensure housekeeping and safety</li> <li>Maintain workplace, tools and equipment</li> </ul>	One set of tools and facility for arranging tools, Lasting machines, Gloves, Safety shoe, Ear plug, Apron, Cleaning cloth, Water bucket, Cleaning materials, Mop, Dust bin, Broom, Grease, Lubricate oil
6	<b>Maintain Health, Safety and Security at Workplace</b>  <b>Theory Duration</b> (hh:mm) 05:00  <b>Practical Duration</b> (hh:mm) 10:00  <b>Corresponding NOS Code</b> LSS/N8601	<ul style="list-style-type: none"> <li>Identify and correct malfunctions in machinery and equipment</li> <li>Minimize health and safety risks to self and others due to own actions</li> <li>Monitor the workplace and work processes for potential risks and threats</li> <li>Carry out periodic walk- through to keep work area free from hazards and obstructions, if assigned</li> <li>Undertake first aid, fire-fighting and emergency response training, if asked to do so</li> <li>Take action based on instructions in the event of fire, emergencies or accidents</li> <li>Follow organisation procedures for shutdown and evacuation when required</li> </ul>	First aid kit, Fire extinguisher, Gloves, Safety shoe, Ear plug, Apron
7	<b>Comply with Industry, Regulatory and</b>	<ul style="list-style-type: none"> <li>Carry out work functions in accordance with legislation and regulations, organizational</li> </ul>	Sample legal documents

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	<b>Organizational Requirements</b>  <b>Theory Duration</b> (hh:mm) 01:00  <b>Practical Duration</b> (hh:mm) 05:00  <b>Corresponding NOS Code</b> LSS/N8701	guidelines and procedures <ul style="list-style-type: none"> <li>• Apply and follow policies and procedures within the work practices</li> <li>• Identify and report any possible deviation to ethical requirements</li> </ul>	
	<b>Total Duration</b>  <b>Theory Duration</b> <b>33:00</b>  <b>Practical Duration</b> <b>167:00</b>	<b>Unique Equipment Required:</b> Last, Upper, Tack hammer, Screwdriver, Lasting plier, Shoemaking pincer, Cutting nipper, Tack puller, Leather thickness measuring gauge, Leather shear, Scratch awl, Hex key, Spanner set, Knife, Last working mallet, Nails, PU adhesive, Brush, Toe cap, Foam, Counter tightening machine, Toe moulding machine, Forepart lasting machine, Seat and side lasting machine, Roughing machine, Sole pressing machine, De-lasting machine, Tape, Blower, Cotton cloth, Iron, Shoe brush, Thread, Shank, Cork, Heel pad, Sample footwear with defects after lasting operations, Inspection report documents, Gloves, Safety shoe, Ear plug, Apron, Cleaning cloth, Water bucket, Cleaning materials, Mop, Dust bin, Broom, Grease, Lubricant oil, First aid kit, Fire extinguisher, Sample legal documents	

**Grand Total Course Duration: 200 Hours, 0 Minutes**

## ASSESSMENT CRITERIA

<b>Assessment Criteria</b>	
<b>Job Role</b>	<b>Lasting Operator (Footwear)</b>
<b>Qualification Pack</b>	<b>LSS/Q2701, V1.0</b>
<b>Sector Skill Council</b>	<b>Leather</b>

<b>Sr. No.</b>	<b>Guidelines for Assessment</b>
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 50% of aggregate marks to successfully clear the assessment
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

<b>Assessable Outcome</b>	<b>Assessment Criteria</b>	<b>Total Mark</b>	<b>Out Of</b>	<b>Marks Allocation</b>	
				<b>Theory</b>	<b>Skills Practical</b>
<b>1. LSS/N2701: Carry out lasting operations using machine</b>	PC1. Make sure the work area is free from hazards	<b>100</b>	1	0	1
	PC2. Obtain and check the data on the work ticket or job card and carry out functions in line with the		2	0	2
	PC3. Ask questions to obtain more information on tasks when the instructions have are unclear		1	0	1
	PC4. Select and sort the tools and materials for the work		1	0	1
	PC5. Setup the equipment and machineries for lasting as per the job requirement		1	0	1
	PC6. Make sure that tools are safe and clean to use on the material		1	0	1
	PC7. Agree and review agreed upon work targets with supervisor		1	0	1
	PC8. Seek feedback from supervisor on work related performance		1	0	1
	PC9. Update and develop knowledge of the products		1	0	1
	PC10. Minimize wastage		1	0	1
	PC11. Produce the required batch of components to match the job card and		2	0	2

Assessable Outcome	Assessment Criteria	Total Mark	Out Of	Marks Allocation	
				Theory	Skills Practical
	the company's production targets				
	PC12. Dispose of waste materials safely and return re-useable materials		1	0	1
	PC13. Work in conformance to legal requirements, organizational policies and procedures		1	0	1
	PC14. Carry out visual inspection to ensure the products are free from handling defects		1	0	1
	PC15. Hammer the back portion of the upper and place the counter inside the back portion of the upper		2	0	2
	PC16. Clamp the Upper onto the machine tightly		1	0	1
	PC17. Carry out Counter tightening operation by pressing the star button on the machine		1	0	1
	PC18. Ensure no creases are formed on the inside of the upper while performing counter tightening		2	0	2
	PC19. Remove the upper from the counter tightening machine		7	5	2
	PC20. Place the toe cap inside of the upper in between vamp and vamp lining		2	0	2
	PC21. Fix the vamp of the upper into the toe moulding machine		1	0	1
	PC22. Carryout the toe moulding operation by pressing the start button on the toe moulding machine		2	0	2
	PC23. Remove the upper from the toe moulding machine		1	0	1
	PC24. Select appropriate last according to the size of the upper		2	0	2
	PC25. Fix the upper on to the last		2	0	2
	PC26. Adjust the back height of the upper based on the mark on the last by pulling with pincher		1	0	1
	PC27. Fix the last in the machine for toe lasting operation		1	0	1
	PC28. Carryout toe lasting operation by pressing the start buttons of the machine with both hand and at the same time pressing the bottom start button of the machine with knee		12	10	2
	PC29. Remove the lasted upper from the machine		1	0	1
	PC30. Fix the toe lasted upper in the machine for seat lasting operation		1	0	1
	PC31. Carryout seat lasting operation by using the machine		2	0	2
	PC32. Remove the finished part from the machine		2	0	2
	PC33. Apply the adhesive on the insole and the inside of the upper		1	0	1

Assessable Outcome	Assessment Criteria	Total Mark	Out Of	Marks Allocation	
				Theory	Skills Practical
	PC34. Pull the sides of the upper and adjust it appropriately with pincher		2	0	2
	PC35. Hammer the sides of the upper to perform side lasting		1	0	1
	PC36. Ensure the condition of the grinding wheel or emery paper as per specification		1	0	1
	PC37. Operate the machine to roughen the finished part of the bottom portion of the lasted upper		1	0	1
	PC38. Ensure only a thin layer of the finished portion is roughed		1	0	1
	PC39. Ensure the edges of the lasted upper are roughed carefully		2	0	2
	PC40. Place the sole on the lasted upper to attach it temporarily		7	5	2
	PC41. Ensure the sole and the lasted upper is attached appropriately along the edges		2	0	2
	PC42. Place the temporary attached lasted upper and the sole into the pressing machine		1	0	1
	PC43. Operate the machine to attach the sole and the upper by pressing the start button on the machine		2	0	2
	PC44. Remove the sole attached lasted upper		7	5	2
	PC45. Fix the shoe onto the de-lasting machine		1	0	1
	PC46. Carry out de-lasting operation by operating the de-lasting machine and Applying pressure on the toe portion of the shoe with hand simultaneously		2	0	2
	PC47. Remove the shoe from the last		1	0	1
	PC48. Report risks/ problems likely to affect services to the relevant person promptly and accurately		1	0	1
	PC49. Report defects in the tools and equipment that, one does not have the authority to repair		6	5	1
	PC50. Carry out closedown procedures on completion of work		1	0	1
	PC51. Sort and place work to assist the next stage of production and minimize the risk of damage		1	0	1
	<b>Total</b>		<b>100</b>	<b>30</b>	<b>70</b>
<b>2. LSS/N2702: Contribute to achieving product quality in lasting operation</b>	PC1. Handle materials, machinery, equipment and tools safely and correctly	<b>50</b>	2	0	2
	PC2. Use correct lifting and handling procedures		2	0	2
	PC3. Use materials to minimize waste		3	0	3
	PC4. Prepare and organize work		2	0	2
	PC5. Maintain a clean and hazard free working area		3	0	3



Assessable Outcome	Assessment Criteria	Total Mark	Out Of	Marks Allocation	
				Theory	Skills Practical
	PC6. Deal with work interruptions		2	0	2
	PC7. Move around the workplace with care		3	0	3
	PC8. Maintain tools and equipment		3	0	3
	PC9. Carry out running maintenance within agreed schedules		4	2	2
	PC10. Carry out maintenance and/or cleaning outside responsibility		2	1	1
	PC11. Report unsafe equipment and other dangerous occurrences		3	2	1
	PC12. Ensure that the correct machine guards are in place		1	0	1
	PC13. Work in a comfortable position with the correct posture		2	1	1
	PC14. Use cleaning equipment and methods appropriate for the work to be carried out		3	2	1
	PC15. Dispose of waste safely in the designated location		3	2	1
	PC16. Store cleaning equipment safely after use		2	1	1
	PC17. Complete and store accurate records and documentation		2	1	1
	PC18. Maintain proper lighting, ventilation to make sure general comfort is there while working		2	1	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		2	1	1
	PC22. Maintain appropriate environment to protect stock from pilfering, theft, damage and deterioration		2	1	1
	<b>Total</b>		<b>50</b>	<b>35</b>	<b>15</b>
<b>3. LSS/N8501: Maintain the work area, tools and machines</b>	PC1. Handle materials, machinery, equipment and tools safely and correctly	<b>50</b>	2	0	2
	PC2. Use correct lifting and handling procedures		2	0	2
	PC3. Use materials to minimize waste		3	0	3
	PC4. Prepare and organize work		2	0	2
	PC5. Maintain a clean and hazard free working area		3	0	3
	PC6. Deal with work interruptions		2	0	2
	PC7. Move around the workplace with care		3	0	3
	PC8. Maintain tools and equipment		3	0	3
	PC9. Carry out running maintenance within agreed schedules		4	2	2
	PC10. Carry out maintenance and/or cleaning outside responsibility		2	1	1
	PC11. Report unsafe equipment and other dangerous occurrences		3	2	1

Assessable Outcome	Assessment Criteria	Total Mark	Out Of	Marks Allocation	
				Theory	Skills Practical
	PC12. Ensure that the correct machine guards are in place		1	0	1
	PC13. Work in a comfortable position with the correct posture		2	1	1
	PC14. Use cleaning equipment and methods appropriate for the work to be carried out		3	2	1
	PC15. Dispose of waste safely in the designated location		3	2	1
	PC16. Store cleaning equipment safely after use		2	1	1
	PC17. Complete and store accurate records and documentation		2	1	1
	PC18. Maintain proper lighting, ventilation to make sure general comfort is there while working		2	1	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		2	1	1
	PC22. Maintain appropriate environment to protect stock from pilfering, theft, damage and deterioration		2	1	1
	<b>Total</b>		<b>50</b>	<b>15</b>	<b>35</b>
<b>4. LSS/N8601: Maintain health, safety and security at workplace</b>	PC1. Comply with health and safety related instructions applicable to the workplace	<b>25</b>	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		1	0	1
	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 waste and debris		0.5	0	0.5
	PC10. Minimize health and safety risks to self and others due to own actions		1	0	1
	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		0.5	0	0.5

Assessable Outcome	Assessment Criteria	Total Mark	Out Of	Marks Allocation	
				Theory	Skills Practical
	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
	<b>Total</b>		<b>25</b>	<b>10</b>	<b>15</b>
<b>5. LSS/N8701: Comply with industry, regulatory and organizational requirements</b>	PC1. Carry out work functions in accordance with legislation and regulations, organizational guidelines and procedures	<b>25</b>	10	5	5
	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		8	5	3
	PC5. Identify and report any possible deviation to these requirements		2	0	2
	<b>Total</b>		<b>25</b>	<b>10</b>	<b>15</b>
	<b>Grand Total</b>	<b>250</b>	<b>250</b>	<b>100</b>	<b>150</b>
	<b>Percentage weightage</b>			<b>40%</b>	<b>60%</b>
	<b>Minimum pass % to qualify (aggregate)</b>			<b>50%</b>	

## EQUIPMENT LIST

### LASTING OPERATOR (FOOTWEAR) – LSS/Q2701

Sr. No	SSC	QP Code	Name of the QP	NSQF Level	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	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Last	Each 1 pair	Nos	Yes	Standard 1 pair for each
2	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Upper	Each 1 pair	Nos	Yes	Leather uppers
3	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Leather shear	5	Nos	Yes	150mm and 300mm
4	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Hand clicking knife	5	Nos	Yes	Stainless steel
5	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Last working mallet	5	Nos	Yes	Wooden
6	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Tack hammer	2	Nos	Yes	100 gms, 200 gms, 300 gms and 500 gms
7	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Nails	200 gms	Weight	Yes	Shoe tacking nails
8	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	PU adhesive	100 gms	Weight	Yes	Standard
10	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Toe cap	Each 1 pair	Nos	Yes	
11	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Foam	Each 1 pair	Nos	Yes	
12	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Counter tightening machine	1	Nos	No (Can be made available at OJT site)	
13	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Toe moulding machine	1	Nos	No (Can be made available at OJT site)	
14	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Forepart lasting machine	1	Nos	No (Can be made available at OJT site)	
15	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Seat and side lasting machine	1	Nos	No (Can be made available at OJT site)	
16	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Roughing machine	1	Nos	No (Can be made available at OJT site)	
17	LSSC	LSS/Q2701	Lasting Operator	4	Sole pressing	1	Nos	No (Can be made	

			(Footwear)		machine			available at OJT site)	
18	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	De-lasting machine	1	Nos	No (Can be made available at OJT site)	
19	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Tape	5	Roll	Yes	Masking tape
20	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Blower	1	Nos	No (Can be made available at OJT site)	Hot air blower
21	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Scratch awl	5	Nos	Yes	Tempered sharp steel needle with wooden handle
22	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Hex key	5	Set	Yes	Standard
23	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Spanner set	5	Set	Yes	Standard
24	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Iron	1	Nos	Yes	To heat
25	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Shoe brush	2	Nos	Yes	Broad type
26	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Thread	½ kg	Weight	Yes	Shoe stitching thread
27	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Shank	Each 1	Nos	Yes	Steel shank for shoe
28	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Cork	Each 1	Nos	Yes	Shoe bottom filler
29	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Heel pad	Each 1	Nos	Yes	For shoe
30	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Cutting nipper	5	Nos	Yes	End cutting
31	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Screwdriver	5	Nos	Yes	Small size and long size
32	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Lasting plier	5	Nos	Yes	8 Inch
33	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Shoemaking pincer	5	Nos	Yes	Broad square nose
34	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Tack puller	5	Nos	Yes	To pull small nails

35	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Leather thickness measuring gauge	1	Nos	No (Can be made available at OJT site)	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/cm <sup>2</sup> Throat depth: 50 mm
36	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Sample footwear with defects after lasting operations	10	Nos	Yes	Different defects
37	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Inspection report documents	1	Nos	Yes	Standard
38	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Grease	250 ml	Weight	Yes	Machine grease
39	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Lubricant oil	250 ml	Weight	Yes	Machine oil
40	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Garbage Bins	3	Nos	Yes	30 ltrs capacity
41	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Cotton cloth	5	Nos	Yes	Cleaning type
42	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Dust Pan with Handle & Broom	1	Nos	Yes	Long handle
43	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Dry and wet mop	5	Nos	Yes	Long handle
44	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Water Bucket	1	Nos	Yes	20 lts capacity
45	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	PPE set	2	Nos	Yes	Standard
46	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	First aid kit	1	Nos	Yes	Standard
47	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Fire Extinguisher	1	Nos	Yes	ABC Type
48	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Sample legal documents	1	Nos	Yes	Standard

# EMPLOYABILITY AND ENTREPRENEURSHIP SKILLS

## MODEL CURRICULUM

Program Name	Employability and Entrepreneurship Skills		
Qualification Pack Name & Reference ID	ALL		
Version No.	1.0	Version Update Date	
Pre-requisites to Training	NA		
Training Outcomes	<p><b>After completing this programme, participants will be able to:</b></p> <ul style="list-style-type: none"> <li>• <b>Identify personal strengths and value systems:</b> safe work habits, achievement motivation, time management, anger management, stress management.</li> <li>• <b>Recall important tenets of digital literacy:</b> fundamentals of computer terminology, parts of a computer and a keyboard, main applications of MS Office.</li> <li>• <b>Discuss the essentials of matters pertaining to money:</b> saving money, bank accounts, types of costs, investment options, insurance products, taxes.</li> <li>• <b>Prepare for employment and self-employment:</b> preparing for an interview, effective resume writing, basic workplace terminology.</li> <li>• <b>Illustrate the basics of entrepreneurship and identify new business opportunities:</b> effective leadership, effective speaking, effective listening, problem solving, business opportunities, types of entrepreneurs, entrepreneurial process and ecosystem, resilient entrepreneurs</li> </ul>		

Sr. No.	Module	Key Learning Outcomes	Equipment Required
1	<b>Introduction</b>  <b>Theory Duration</b> (hh:mm) 00:30  <b>Practical Duration</b> (hh:mm) 00:00	<ul style="list-style-type: none"> <li>Recognize the importance of general discipline in the class room (dos and don'ts)</li> <li>List expectations from the program</li> <li>Outline the objectives of the program</li> </ul>	Laptop, white board, marker, projector
2	<b>Personal Strengths and Value Systems</b>  <b>Theory Duration</b> (hh:mm) 04:00  <b>Practical Duration</b> (hh:mm) 04:00	<ul style="list-style-type: none"> <li>Identify common health issues and tips to prevent them</li> <li>Discuss critical safety habits to be followed by employees</li> <li>Understand motivation with the help of Maslow's Hierarchy of Needs</li> <li>List the characteristics of entrepreneurs with achievement motivation</li> <li>Discuss how to maintain a positive attitude</li> <li>Discuss the role of attitude in self- analysis</li> <li>List your strengths and weaknesses</li> <li>Describe the importance of honesty in entrepreneurs</li> <li>List the characteristics of highly creative and innovative people</li> <li>Discuss the benefits of time management</li> <li>List the traits of effective time managers</li> <li>Apply effective time management techniques</li> <li>Apply tips for anger management and stress management</li> </ul>	Workbook exercises on health standards, Laptop, activity on strengths and weaknesses, white board, marker, projector
3	<b>Digital Literacy: A Recap</b>  <b>Theory Duration</b> (hh:mm) 01:00  <b>Practical Duration</b> (hh:mm) 03:00	<ul style="list-style-type: none"> <li>Identify the basic parts of a computer and keyboard</li> <li>Recall basic computer terminology</li> <li>Identify the functions of basic computer keys</li> <li>Discuss the main applications of MS Office</li> <li>Discuss the benefits of Microsoft Outlook</li> <li>Identify the different types of e- commerce</li> <li>Explain the benefits of e-commerce for retailers and customers</li> <li>Discuss how the Digital India campaign will help boost e-commerce in India</li> <li>Describe how you will sell a product or service on an e-commerce platform</li> <li>Elaborate on the need for digital transactions</li> <li>Identify the modes of digital transactions</li> <li>Explain the uses of digital transactions</li> </ul>	Laptop, white board, marker, projector, CPU, Monitor, keyboard, mouse, MS Office software, E-Wallet soft wares such as PayTM, SBI buddy etc.
4	<b>Money Matters</b>  <b>Theory Duration</b> (hh:mm) 06:00  <b>Practical Duration</b> (hh:mm) 02:00	<ul style="list-style-type: none"> <li>Recognize the importance and benefits of saving money</li> <li>Discuss the main types of bank accounts</li> <li>Illustrate the process of opening a bank account</li> <li>Differentiate between fixed and variable costs</li> <li>Describe the main types of investment options</li> <li>Identify the different types of insurance products and types of taxes</li> <li>Discuss the uses of online banking</li> <li>Describe the main types of electronic funds transfers</li> </ul>	Laptop, white board, marker, projector, Passport, Driving License, Voter ID card, PAN card, Aadhaar card, sample KYC document, bank opening form (can be downloaded from the Internet)



Sr. No.	Module	Key Learning Outcomes	Equipment Required
5	<b>Preparing for Employment and Self-Employment</b>  <b>Theory Duration</b> (hh:mm) 02:00  <b>Practical Duration</b> (hh:mm) 04:00	<ul style="list-style-type: none"> <li>Follow the steps to prepare for an interview</li> <li>Create an effective Resume</li> <li>Identify the most frequently asked interview questions</li> <li>Discuss how to answer the most frequently asked interview questions</li> <li>Identify basic workplace terminology</li> </ul>	Laptop, white board, marker, projector, sample CVs, Mock interviews, role plays, role play briefs, FAQs, quiz on basic workplace technologies
6	<b>Entrepreneurship</b>  <b>Theory Duration</b> (hh:mm) 04:30  <b>Practical Duration</b> (hh:mm) 09:00	<ul style="list-style-type: none"> <li>Discuss the concept and significance of entrepreneurship and the characteristics of an entrepreneur</li> <li>List the qualities of an effective leader and the benefits of effective leadership</li> <li>List the traits of an effective team</li> <li>Apply techniques of effective listening</li> <li>Apply techniques of effective speaking</li> <li>Solve problems by identifying important problem-solving traits</li> <li>Discuss how to identify new business opportunities within your business</li> <li>Describe the different types of entrepreneurs</li> <li>State the characteristics of entrepreneurs</li> <li>Recall entrepreneur success stories</li> <li>Follow the entrepreneurial process and explain the entrepreneurship ecosystem</li> <li>Recognize the purpose of the Make in India campaign</li> <li>Identify key schemes to promote entrepreneurs</li> <li>Define the relationship between entrepreneurship and risk appetite and entrepreneurship and resilience</li> <li>Discuss the characteristics of a resilient entrepreneur</li> <li>Identify techniques of dealing effectively with failure</li> </ul>	Laptop, white board, marker, projector, SWOT activity: pen and paper individual exercise, charts, colored pens, Group Activity: poster making on entrepreneurship ecosystem. Activity: SMART Goal writing
	<b>Total Duration</b>  <b>Theory Duration</b> <b>18:00</b>  <b>Practical Duration</b> <b>22:00</b>	<b>Unique Equipment Required:</b> Laptop, White board, Marker, projector	

Grand Total Course Duration: **40 Hours, 0 Minutes**

(This syllabus/ curriculum has been approved by **National Skill Development Corporation**)

**PRACTICAL TRAINING (ON-JOB TRAINING)**  
**(BLOCK II)**

**DURATION: 960 Hours**

**GENERAL INFORMATION**

1. **Name of the Trade** : Lasting Operator (Footwear)
2. **Duration of On-Job Training** : 960 hours
3. **Batch size** : 30 (recommended)
4. **Examination** : i) The internal assessment will be held on completion of the block  
ii) Leather Sector Skills Council (LSSC) will conduct exam at the end of Apprenticeship training
5. **Instructor Qualification** :
6. **Infrastructure for On-Job Training** : As per Tools & Equipment required for On-Job Training

**Trainer Prerequisites for Job role: “Lasting Operator (Footwear)”**

Sr. No.	Area	Details
1	<b>Description</b>	To deliver accredited training service, mapping to the curriculum detailed above, in accordance with the Qualification Pack “LSS/Q2701, Version 1.0”.
2	<b>Personal Attributes</b>	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	<b>Minimum Educational Qualifications</b>	Diploma or B. Tech in Leather footwear technology
4a	<b>Domain Certification</b>	Certified for Job Role: “ <u>Lasting Operator (Footwear)</u> ”, mapped to QP: “ <u>LSS/Q2701, Version 1.0</u> ”. The minimum accepted score should be as per the decision of the respective SSC guidelines.
4b	<b>Platform Certification</b>	Recommended that the Trainer is certified for the Job Role: “Trainer”, mapped to the Qualification Pack: “SSC/1402”. Minimum accepted score for the trainer is 80% as per SSC guidelines.
5	<b>Experience</b>	Prior experience as an operator for a minimum of 3-4 years or as a supervisor for 1-2 years in footwear manufacturing.

## **BROAD SKILL COMPONENT**

### **BROAD SKILL COMPONENT TO BE COVERED DURING ON-JOB TRAINING**

#### **BLOCK – II**

1. Develop reading and writing skills for noting designs and different Lasting constructions so as to assess different style types and quantities required for lasting operations.
2. Learn to carry out Pre-operational checks required for lasting and follow standards procedures for the operations.
3. To understand different styles/ constructions method that go into manufacturing of footwear to achieve correct quality and productivity.
4. Spot difficulties with respect to practicality of designs to achieve correct quality for specific styles as per the sample and specifications.
5. Ensure right amount of temperature, pressure and dwell time for producing good results of the finished lasted footwear.
6. Understand the working method of lasting for different styles/ constructions.
7. Understand the working method of sole pressing machine.
8. Develop the skill of different sole pressing technics and finishing operations.
9. Learn to use tools/ machines such as last, pincher, hammer etc.
10. Learn to maintain tools and machines used, so that they are available without any problems whenever required.
11. Develop skills of using new technology such as computer for visual aid and efficient working.
12. Develop the understanding of working in a safe environment and without injuries.
13. To read a job card and identify raw materials required for job work.
14. To know and understand different types of leather and their properties of stretching while doing lasting operations.
15. Able to detect product/ manufacturing defects and control manufacturing loss.
16. To understand different types of footwear styles and manufacturing methods.
17. To develop reporting methods of lasting operations for the day (Documentations).
18. Able to understand and control the machine temperature, pressure, dwell time etc. while lasting the footwear.

## Lasting Operator (Footwear) – LSS/Q2701

### Model Curriculum

#### Key Learning Outcomes:

<b>Program Name</b>	<b>Lasting Operator (Footwear)</b>		
<b>Qualification Pack Name &amp; Reference ID</b>	LSS/Q2701, V1.0		
<b>Version No.</b>	1.0	<b>Version Update Date</b>	15-06-2016
<b>Pre-requisites to Training</b>	Class V		
<b>Training Outcomes</b>	<p><b>After completing this programme, participants will be able to:</b></p> <ul style="list-style-type: none"> <li>• <b>Perform pre-operational activities:</b> Identification of last required for creating upper, endure necessary preparation required for lasting operation and follow standard procedure.</li> <li>• <b>Learn and perform lasting operation:</b> Carry out lasting operations appropriately.</li> <li>• <b>Contribute to achieve quality product in lasting process:</b> Ensure that lasting is done properly to go for next process, quality checks and fault identification in lasting and maintain records and documents.</li> <li>• <b>Handle work area, tools and machines appropriately:</b> Ensure correct handling of material, tools and machines, maintain clean and hazard free work area, proper usage of cleaning equipment, maintain correct usage of workplace tools and equipment.</li> <li>• <b>Become well versed with environment, health, safety &amp; security at work:</b> Well versed with health and safety measures in terms of personal safety and equipment safety relevant to lasting occupation.</li> </ul>		

Sr. No.	Module	Key Learning Outcomes	Equipment Required
Week 1	<b>Preparatory operations for Lasting by hand</b>  <b>Theory Duration</b> (hh:mm) 05:00  <b>Practical Duration</b> (hh:mm) 19:00  <b>Corresponding NOS Code</b> NA	<ul style="list-style-type: none"> <li>Describe tools and materials used in lasting operations</li> <li>Identify hand tools used in lasting operations</li> </ul>	Last, Upper, Tack hammer, PPE, Screwdriver, Lasting plier, Shoemaking pincher, Cutting nipper, Tack puller, Thickness measuring gauge, Leather shear, Scratch awl, Hex key, Spanner set, Knife, Last working mallet, Nails, Brush, PU adhesive, Toe cap, Foam, Blower, Cotton cloth, Iron, Shoe brush, Tape, Thread, Shank, Cork, Heel pad
Week 2	<b>Carry out Lasting Operations by hand</b>  <b>Theory Duration</b> (hh:mm) 00:00  <b>Practical Duration</b> (hh:mm) 26:00  <b>Corresponding NOS Code</b> NA	<ul style="list-style-type: none"> <li>Prepare work area for lasting operations</li> <li>Make sure the work area is free from hazards</li> <li>Obtain and check the data on the work ticket or job card and carry out functions in line with the responsibilities of job role</li> <li>Ask questions to obtain more information on tasks when the instructions are unclear</li> <li>Select and sort the tools and materials for the work</li> <li>Make sure that tools are safe and clean to use on the material</li> </ul>	Last, Upper, Tack hammer, PPE, Screwdriver, Lasting plier, Shoemaking pincher, Cutting nipper, Tack puller, Thickness measuring gauge, Leather shear, Scratch awl, Hex key, Spanner set, Knife, Last working mallet, Nails, Brush, PU adhesive, Toe cap, Foam, Blower, Cotton cloth, Iron, Shoe brush, Tape, Thread, Shank, Cork, Heel pad
Week 3	<b>Carry out Lasting Operations by hand</b>  <b>Theory Duration</b> (hh:mm) 00:00  <b>Practical Duration</b> (hh:mm) 26:00  <b>Corresponding NOS Code</b> NA	<ul style="list-style-type: none"> <li>Agree and review agreed upon work targets with supervisor</li> <li>Seek feedback from supervisor on work related performance</li> <li>Report risks/ problems likely to affect services to the relevant person promptly and accurately</li> <li>Report defects in the tools that one do not have the authority to repair</li> </ul>	Last, Upper, Tack hammer, PPE, Screwdriver, Lasting plier, Shoemaking pincher, Cutting nipper, Tack puller, Thickness measuring gauge, Leather shear, Scratch awl, Hex key, Spanner set, Knife, Last working mallet, Nails, Brush, PU adhesive, Toe

Sr. No.	Module	Key Learning Outcomes	Equipment Required
			cap, Foam, Blower, Cotton cloth, Iron, Shoe brush, Tape, Thread, Shank, Cork, Heel pad
Week 4	<b>Carry out Lasting Operations by hand</b>  <b>Theory Duration</b> (hh:mm) 02:00  <b>Practical Duration</b> (hh:mm) 24:00  <b>Corresponding NOS Code</b> NA	Describe the following: <ul style="list-style-type: none"> <li>• Toe Cap fixing operation</li> <li>• Counter Fixing operation</li> </ul> Perform the following: <ul style="list-style-type: none"> <li>• Toe Cap fixing operation</li> <li>• Counter Fixing operation</li> <li>• Ensure the adhesive is prepared appropriately as per the standard procedure</li> <li>• Soak the toe cap and counter in the adhesive as per the manufacturers instruction</li> <li>• Ensure the toe cap and counter is dry by allowing them to dry as per the specified drying time</li> <li>• Insert the toe cap and counter inside the upper as per the operating procedure</li> </ul>	Last, Upper, Tack hammer, PPE, Screwdriver, Lasting plier, Shoemaking pincher, Cutting nipper, Tack puller, Thickness measuring gauge, Leather shear, Scratch awl, Hex key, Spanner set, Knife, Last working mallet, Nails, Brush, PU adhesive, Toe cap, Foam, Blower, Cotton cloth, Iron, Shoe brush, Tape, Thread, Shank, Cork, Heel pad
Week 5	<b>Carry out Lasting Operations by hand</b>  <b>Theory Duration</b> (hh:mm) 01:00  <b>Practical Duration</b> (hh:mm) 25:00  <b>Corresponding NOS Code</b> NA	Describe the following: <ul style="list-style-type: none"> <li>• Forepart lasting operation</li> </ul> Perform the following: <ul style="list-style-type: none"> <li>• Forepart lasting operation</li> <li>• Fix the upper on the last as per the standard operating procedure</li> <li>• Ensure the back height of the upper is adjusted as per the mark on the last</li> <li>• Apply the glue evenly on the inner edges of the upper and outer edges of the insole as per the operating procedures</li> <li>• Attach the upper onto the insole and draft the nail as per the standard procedure</li> <li>• Trim the excess edges of the upper to avoid wrinkles as per the standard procedures</li> <li>• Dry the upper for the specified amount of time</li> <li>• Remove the nails from the upper following safety and operating standards</li> </ul>	Last, Upper, Tack hammer, PPE, Screwdriver, Lasting plier, Shoemaking pincher, Cutting nipper, Tack puller, Thickness measuring gauge, Leather shear, Scratch awl, Hex key, Spanner set, Knife, Last working mallet, Nails, Brush, PU adhesive, Toe cap, Foam, Blower, Cotton cloth, Iron, Shoe brush, Tape, Thread, Shank, Cork, Heel pad
Week 6	<b>Carry out Lasting Operations by hand</b>  <b>Theory Duration</b> (hh:mm) 02:00  <b>Practical Duration</b> (hh:mm) 24:00  <b>Corresponding NOS Code</b> NA	Describe the following: <ul style="list-style-type: none"> <li>• Side lasting operation</li> <li>• Seat Lasting operation</li> </ul> Perform the following: <ul style="list-style-type: none"> <li>• Side lasting operation</li> <li>• Seat Lasting operation</li> <li>• Hammer the forepart, side and seat of the upper on to the insole as per the standard procedures</li> <li>• Remove the wrinkles by hammering using mallet following the standard safety and operating procedures</li> <li>• Clean the lasted uppers as per the standard</li> </ul>	Last, Upper, Tack hammer, PPE, Screwdriver, Lasting plier, Shoemaking pincher, Cutting nipper, Tack puller, Thickness measuring gauge, Leather shear, Scratch awl, Hex key, Spanner set, Knife, Last working mallet, Nails, Brush,

Sr. No.	Module	Key Learning Outcomes	Equipment Required
		cleaning procedures <ul style="list-style-type: none"> <li>• Ensure the quality of the lasted upper is as per the specified quality standards</li> <li>• Ensure the lasted uppers are prepared for the next operation as per the standards specified by the organization</li> <li>• Ensure the lasted upper is free from production and handling damages</li> </ul>	PU adhesive, Toe cap, Foam, Blower, Cotton cloth, Iron, Shoe brush, Tape, Thread, Shank, Cork, Heel pad
Week 7	<b>Carry out Lasting Operations by hand</b>  <b>Theory Duration</b> (hh:mm) 00:00  <b>Practical Duration</b> (hh:mm) 26:00  <b>Corresponding NOS Code</b> NA	<ul style="list-style-type: none"> <li>• Practice lasting of the shoe by hand using appropriate tools and materials</li> </ul>	Last, Upper, Tack hammer, PPE, Screwdriver, Lasting plier, Shoemaking pincher, Cutting nipper, Tack puller, Thickness measuring gauge, Leather shear, Scratch awl, Hex key, Spanner set, Knife, Last working mallet, Nails, Brush, PU adhesive, Toe cap, Foam, Blower, Cotton cloth, Iron, Shoe brush, Tape, Thread, Shank, Cork, Heel pad
Week 8	<b>Carry out Lasting Operations by hand</b>  <b>Theory Duration</b> (hh:mm) 00:00  <b>Practical Duration</b> (hh:mm) 26:00  <b>Corresponding NOS Code</b> NA	<ul style="list-style-type: none"> <li>• Practice lasting of the shoe by hand using appropriate tools and materials</li> </ul>	Last, Upper, Tack hammer, PPE, Screwdriver, Lasting plier, Shoemaking pincher, Cutting nipper, Tack puller, Thickness measuring gauge, Leather shear, Scratch awl, Hex key, Spanner set, Knife, Last working mallet, Nails, Brush, PU adhesive, Toe cap, Foam, Blower, Cotton cloth, Iron, Shoe brush, Tape, Thread, Shank, Cork, Heel pad
Week 9	<b>Carry out Lasting Operations by hand</b>  <b>Theory Duration</b> (hh:mm) 00:00  <b>Practical Duration</b> (hh:mm) 26:00	<ul style="list-style-type: none"> <li>• Practice lasting of the shoe by hand using appropriate tools and materials</li> </ul>	Last, Upper, Tack hammer, PPE, Screwdriver, Lasting plier, Shoemaking pincher, Cutting nipper, Tack puller, Thickness measuring gauge, Leather shear, Scratch awl, Hex

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	<b>Corresponding NOS Code</b> NA		key, Spanner set, Knife, Last working mallet, Nails, Brush, PU adhesive, Toe cap, Foam, Blower, Cotton cloth, Iron, Shoe brush, Tape, Thread, Shank, Cork, Heel pad
Week 10	<b>Carry out Lasting Operations by hand</b>  <b>Theory Duration</b> (hh:mm) 00:00  <b>Practical Duration</b> (hh:mm) 26:00  <b>Corresponding NOS Code</b> NA	<ul style="list-style-type: none"> <li>Practice lasting of the shoe by hand using appropriate tools and materials</li> </ul>	Last, Upper, Tack hammer, PPE, Screwdriver, Lasting plier, Shoemaking pincher, Cutting nipper, Tack puller, Thickness measuring gauge, Leather shear, Scratch awl, Hex key, Spanner set, Knife, Last working mallet, Nails, Brush, PU adhesive, Toe cap, Foam, Blower, Cotton cloth, Iron, Shoe brush, Tape, Thread, Shank, Cork, Heel pad
Week 11	<b>Carry out Lasting Operations by hand</b>  <b>Theory Duration</b> (hh:mm) 00:00  <b>Practical Duration</b> (hh:mm) 26:00  <b>Corresponding NOS Code</b> NA	<ul style="list-style-type: none"> <li>Produce the required batch of components to match the job card and the company's production targets</li> </ul>	Last, Upper, Tack hammer, PPE, Screwdriver, Lasting plier, Shoemaking pincher, Cutting nipper, Tack puller, Thickness measuring gauge, Leather shear, Scratch awl, Hex key, Spanner set, Knife, Last working mallet, Nails, Brush, PU adhesive, Toe cap, Foam, Blower, Cotton cloth, Iron, Shoe brush, Tape, Thread, Shank, Cork, Heel pad
Week 12	<b>Carry out Lasting Operations by hand</b>  <b>Theory Duration</b> (hh:mm) 00:00  <b>Practical Duration</b> (hh:mm) 26:00	<ul style="list-style-type: none"> <li>Produce the required batch of components to match the job card and the company's production targets</li> </ul>	Last, Upper, Tack hammer, PPE, Screwdriver, Lasting plier, Shoemaking pincher, Cutting nipper, Tack puller, Thickness measuring gauge, Leather shear,



Sr. No.	Module	Key Learning Outcomes	Equipment Required
	<b>Corresponding NOS Code</b> NA		Scratch awl, Hex key, Spanner set, Knife, Last working mallet, Nails, Brush, PU adhesive, Toe cap, Foam, Blower, Cotton cloth, Iron, Shoe brush, Tape, Thread, Shank, Cork, Heel pad
Week 13	<b>Carry out Lasting Operations by hand</b>  <b>Theory Duration</b> (hh:mm) 00:00  <b>Practical Duration</b> (hh:mm) 26:00  <b>Corresponding NOS Code</b> NA	<ul style="list-style-type: none"> <li>Produce the required batch of components to match the job card and the company's production targets</li> </ul>	Last, Upper, Tack hammer, PPE, Screwdriver, Lasting plier, Shoemaking pincher, Cutting nipper, Tack puller, Thickness measuring gauge, Leather shear, Scratch awl, Hex key, Spanner set, Knife, Last working mallet, Nails, Brush, PU adhesive, Toe cap, Foam, Blower, Cotton cloth, Iron, Shoe brush, Tape, Thread, Shank, Cork, Heel pad
Week 14	<b>Carry out Lasting Operations by hand</b>  <b>Theory Duration</b> (hh:mm) 00:00  <b>Practical Duration</b> (hh:mm) 26:00  <b>Corresponding NOS Code</b> NA	<ul style="list-style-type: none"> <li>Produce the required batch of components to match the job card and the company's production targets</li> </ul>	Last, Upper, Tack hammer, PPE, Screwdriver, Lasting plier, Shoemaking pincher, Cutting nipper, Tack puller, Thickness measuring gauge, Leather shear, Scratch awl, Hex key, Spanner set, Knife, Last working mallet, Nails, Brush, PU adhesive, Toe cap, Foam, Blower, Cotton cloth, Iron, Shoe brush, Tape, Thread, Shank, Cork, Heel pad
Week 15	<b>Carry out Lasting Operations by hand</b>  <b>Theory Duration</b> (hh:mm) 00:00  <b>Practical Duration</b> (hh:mm)	<ul style="list-style-type: none"> <li>Dispose waste materials safely and return re-useable materials</li> <li>Carry out closedown procedures on completion of work</li> </ul>	Last, Upper, Tack hammer, PPE, Screwdriver, Lasting plier, Shoemaking pincher, Cutting nipper, Tack puller, Thickness measuring gauge,

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	26:00  <b>Corresponding NOS Code</b> NA		Leather shear, Scratch awl, Hex key, Spanner set, Knife, Last working mallet, Nails, Brush, PU adhesive, Toe cap, Foam, Blower, Cotton cloth, Iron, Shoe brush, Tape, Thread, Shank, Cork, Heel pad
Week 16	<b>Carry out Lasting Operations by hand</b>  <b>Theory Duration</b> (hh:mm) 00:00  <b>Practical Duration</b> (hh:mm) 26:00  <b>Corresponding NOS Code</b> NA	<ul style="list-style-type: none"> <li>Sort and place work to assist the next stage of production and minimize the risk of damage</li> <li>Carry out visual inspection to ensure the products are free from handling defects</li> </ul>	Last, Upper, Tack hammer, PPE, Screwdriver, Lasting plier, Shoemaking pincher, Cutting nipper, Tack puller, Thickness measuring gauge, Leather shear, Scratch awl, Hex key, Spanner set, Knife, Last working mallet, Nails, Brush, PU adhesive, Toe cap, Foam, Blower, Cotton cloth, Iron, Shoe brush, Tape, Thread, Shank, Cork, Heel pad
Week 17	<b>Carry out Lasting Operations using Machine</b>  <b>Theory Duration</b> (hh:mm) 06:00  <b>Practical Duration</b> (hh:mm) 18:00  <b>Corresponding NOS Code</b> LSS/N2701	<ul style="list-style-type: none"> <li>Describe tools and materials used in lasting operations</li> <li>Identify hand tools and machines used in lasting operations</li> </ul>	Last, Upper, Tack hammer, PPE, Screwdriver, Lasting plier, Shoemaking pincher, Cutting nipper, Tack puller, Thickness measuring gauge, Leather shear, Scratch awl, Hex key, Spanner set, Knife, Last working mallet, Nails, Brush, PU adhesive, Toe cap, Foam, Counter tightening machine, Toe moulding machine, Forepart lasting machine, Seat and side lasting machine, Roughing m/c, Sole pressing machine, De-lasting machine, Blower, Cotton cloth, Iron, Shoe brush, Tape,

Sr. No.	Module	Key Learning Outcomes	Equipment Required
			Thread, Shank, Cork, Heel pad
Week 18	<b>Carry out Lasting Operations using Machine</b>  <b>Theory Duration</b> (hh:mm) 00:00  <b>Practical Duration</b> (hh:mm) 26:00  <b>Corresponding NOS Code</b> LSS/N2701	<ul style="list-style-type: none"> <li>• Prepare work area for lasting operations</li> <li>• Make sure the work area is free from hazards</li> <li>• Obtain and check the data on the work ticket or job card and carry out functions in line with the responsibilities of job role</li> <li>• Ask questions to obtain more information on tasks when the instructions are not clear</li> <li>• Select and sort the tools and materials for the work</li> <li>• Setup the equipment and machineries for lasting as per the job requirement</li> <li>• Make sure that tools are safe and clean to use on the material</li> </ul>	Last, Upper, Tack hammer, PPE, Screwdriver, Lasting plier, Shoemaking pincher, Cutting nipper, Tack puller, Thickness measuring gauge, Leather shear, Scratch awl, Hex key, Spanner set, Knife, Last working mallet, Nails, Brush, PU adhesive, Toe cap, Foam, Counter tightening machine, Toe moulding machine, Forepart lasting machine, Seat and side lasting machine, Roughing m/c, Sole pressing machine, De-lasting machine, Blower, Cotton cloth, Iron, Shoe brush, Tape, Thread, Shank, Cork, Heel pad
Week 19	<b>Carry out Lasting Operations using Machine</b>  <b>Theory Duration</b> (hh:mm) 00:00  <b>Practical Duration</b> (hh:mm) 26:00  <b>Corresponding NOS Code</b> LSS/N2701	<ul style="list-style-type: none"> <li>• Agree and review agreed upon work targets with supervisor</li> <li>• Seek feedback from supervisor on work related performance</li> <li>• Update and develop knowledge of the products</li> <li>• Carry out visual inspection to ensure the raw materials are free from handling defects</li> </ul>	Last, Upper, Tack hammer, PPE, Screwdriver, Lasting plier, Shoemaking pincher, Cutting nipper, Tack puller, Thickness measuring gauge, Leather shear, Scratch awl, Hex key, Spanner set, Knife, Last working mallet, Nails, Brush, PU adhesive, Toe cap, Foam, Counter tightening machine, Toe moulding machine, Forepart lasting machine, Seat and side lasting machine, Roughing m/c, Sole pressing machine, De-lasting machine, Blower, Cotton cloth, Iron, Shoe

Sr. No.	Module	Key Learning Outcomes	Equipment Required
			brush, Tape, Thread, Shank, Cork, Heel pad
Week 20	<b>Carry out Lasting Operations using Machine</b>  <b>Theory Duration</b> (hh:mm) 02:00  <b>Practical Duration</b> (hh:mm) 24:00  <b>Corresponding NOS Code</b> LSS/N2701	Describe the following: <ul style="list-style-type: none"> <li>Counter tightening operation</li> <li>Toe moulding operation</li> <li>Forepart lasting operation</li> </ul> Perform the following: <ul style="list-style-type: none"> <li>Counter tightening operation</li> <li>Toe moulding operation</li> <li>Forepart lasting operation</li> </ul>	Last, Upper, Tack hammer, PPE, Screwdriver, Lasting plier, Shoemaking pincher, Cutting nipper, Tack puller, Thickness measuring gauge, Leather shear, Scratch awl, Hex key, Spanner set, Knife, Last working mallet, Nails, Brush, PU adhesive, Toe cap, Foam, Counter tightening machine, Toe moulding machine, Forepart lasting machine, Seat and side lasting machine, Roughing m/c, Sole pressing machine, De-lasting machine, Blower, Cotton cloth, Iron, Shoe brush, Tape, Thread, Shank, Cork, Heel pad
Week 21	<b>Carry out Lasting Operations using Machine</b>  <b>Theory Duration</b> (hh:mm) 02:00  <b>Practical Duration</b> (hh:mm) 24:00  <b>Corresponding NOS Code</b> LSS/N2701	Describe the following: <ul style="list-style-type: none"> <li>Seat lasting operation</li> <li>Side lasting operation</li> <li>Roughing operation</li> </ul> Perform the following: <ul style="list-style-type: none"> <li>Side lasting operation</li> <li>Seat lasting operation</li> <li>Roughing operation</li> </ul>	Last, Upper, Tack hammer, PPE, Screwdriver, Lasting plier, Shoemaking pincher, Cutting nipper, Tack puller, Thickness measuring gauge, Leather shear, Scratch awl, Hex key, Spanner set, Knife, Last working mallet, Nails, Brush, PU adhesive, Toe cap, Foam, Counter tightening machine, Toe moulding machine, Forepart lasting machine, Seat and side lasting machine, Roughing m/c, Sole pressing machine, De-lasting machine, Blower, Cotton

Sr. No.	Module	Key Learning Outcomes	Equipment Required
			cloth, Iron, Shoe brush, Tape, Thread, Shank, Cork, Heel pad
Week 22	<b>Carry out Lasting Operations using Machine</b>  <b>Theory Duration</b> (hh:mm) 02:00  <b>Practical Duration</b> (hh:mm) 24:00  <b>Corresponding NOS Code</b> LSS/N2701	Describe the following: <ul style="list-style-type: none"> <li>• Sole pressing operation</li> <li>• De-lasting operation</li> </ul> Perform the following: <ul style="list-style-type: none"> <li>• Sole pressing operation</li> <li>• De-lasting operation</li> </ul>	Last, Upper, Tack hammer, PPE, Screwdriver, Lasting plier, Shoemaking pincher, Cutting nipper, Tack puller, Thickness measuring gauge, Leather shear, Scratch awl, Hex key, Spanner set, Knife, Last working mallet, Nails, Brush, PU adhesive, Toe cap, Foam, Counter tightening machine, Toe moulding machine, Forepart lasting machine, Seat and side lasting machine, Roughing m/c, Sole pressing machine, De-lasting machine, Blower, Cotton cloth, Iron, Shoe brush, Tape, Thread, Shank, Cork, Heel pad
Week 23	<b>Carry out Lasting Operations using Machine</b>  <b>Theory Duration</b> (hh:mm) 00:00  <b>Practical Duration</b> (hh:mm) 26:00  <b>Corresponding NOS Code</b> LSS/N2701	<ul style="list-style-type: none"> <li>• Produce the required batch of components to match the job card and the company's production targets</li> </ul>	Last, Upper, Tack hammer, PPE, Screwdriver, Lasting plier, Shoemaking pincher, Cutting nipper, Tack puller, Thickness measuring gauge, Leather shear, Scratch awl, Hex key, Spanner set, Knife, Last working mallet, Nails, Brush, PU adhesive, Toe cap, Foam, Counter tightening machine, Toe moulding machine, Forepart lasting machine, Seat and side lasting machine, Roughing m/c, Sole pressing machine, De-lasting machine,

Sr. No.	Module	Key Learning Outcomes	Equipment Required
			Blower, Cotton cloth, Iron, Shoe brush, Tape, Thread, Shank, Cork, Heel pad
Week 24	<b>Carry out Lasting Operations using Machine</b>  <b>Theory Duration</b> (hh:mm) 00:00  <b>Practical Duration</b> (hh:mm) 26:00  <b>Corresponding NOS Code</b> LSS/N2701	<ul style="list-style-type: none"> <li>Dispose of waste materials safely and return re-useable materials</li> <li>Work in conformance to legal requirements, organizational policies and procedures</li> <li>Carry out closedown procedures on completion of work</li> <li>Report risks/ problems likely to affect services to the relevant person promptly and accurately</li> <li>Sort and place work to assist the next stage of production and minimize the risk of damage</li> </ul>	Last, Upper, Tack hammer, PPE, Screwdriver, Lasting plier, Shoemaking pincher, Cutting nipper, Tack puller, Thickness measuring gauge, Leather shear, Scratch awl, Hex key, Spanner set, Knife, Last working mallet, Nails, Brush, PU adhesive, Toe cap, Foam, Counter tightening machine, Toe moulding machine, Forepart lasting machine, Seat and side lasting machine, Roughing m/c, Sole pressing machine, De-lasting machine, Blower, Cotton cloth, Iron, Shoe brush, Tape, Thread, Shank, Cork, Heel pad
Week 25	<b>Contribute to Achieving Product Quality in Lasting Operations</b>  <b>Theory Duration</b> (hh:mm) 00:00  <b>Practical Duration</b> (hh:mm) 28:00  <b>Corresponding NOS Code</b> LSS/N2702	<ul style="list-style-type: none"> <li>Set up and test machines to ensure correct operation</li> </ul>	Sample footwear with defects after lasting operations, Inspection report documents, Gloves, Safety shoe, Ear plug, Apron
Week 26	<b>Contribute to Achieving Product Quality in Lasting Operations</b>  <b>Theory Duration</b> (hh:mm) 00:00	<ul style="list-style-type: none"> <li>Operate the machine in accordance with machine and workplace standards</li> <li>Ensure the last and upper is placed appropriately in the machines</li> </ul>	Sample footwear with defects after lasting operations, Inspection report documents, Gloves, Safety shoe, Ear plug, Apron

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	<b>Practical Duration</b> (hh:mm) 28:00  <b>Corresponding NOS Code</b> LSS/N2702		
Week 27	<b>Contribute to Achieving Product Quality in Lasting Operations</b>  <b>Theory Duration</b> (hh:mm) 00:00  <b>Practical Duration</b> (hh:mm) 28:00  <b>Corresponding NOS Code</b> LSS/N2702	<ul style="list-style-type: none"> <li>Ensure creases do not appear on the inside of the back portion of the upper while counter tightening</li> <li>Ensure the shape of the shoe is retained during toe moulding operation</li> </ul>	Sample footwear with defects after lasting operations, Inspection report documents, Gloves, Safety shoe, Ear plug, Apron
Week 28	<b>Contribute to Achieving Product Quality in Lasting Operations</b>  <b>Theory Duration</b> (hh:mm) 00:00  <b>Practical Duration</b> (hh:mm) 28:00  <b>Corresponding NOS Code</b> LSS/N2702	<ul style="list-style-type: none"> <li>Ensure pleats do not appear in the seat portion of the lasted upper after seat lasting process</li> <li>Selection of appropriate lasts as per the sizes</li> </ul>	Sample footwear with defects after lasting operations, Inspection report documents, Gloves, Safety shoe, Ear plug, Apron
Week 29	<b>Contribute to Achieving Product Quality in Lasting Operations</b>  <b>Theory Duration</b> (hh:mm) 00:00  <b>Practical Duration</b> (hh:mm) 28:00  <b>Corresponding NOS Code</b> LSS/N2702	<ul style="list-style-type: none"> <li>Ensuring the quality of the lasting as per the specifications and the standards</li> <li>Roughing as per the specifications and ensure the upper of shoe is free from roughing damages</li> </ul>	Sample footwear with defects after lasting operations, Inspection report documents, Gloves, Safety shoe, Ear plug, Apron
Week 30	<b>Contribute to Achieving Product Quality in Lasting</b>	<ul style="list-style-type: none"> <li>Check the performance of the machine for signs of faulty operations and take action in accordance with workplace procedures</li> </ul>	Sample footwear with defects after lasting operations,

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	<b>Operations</b>  <b>Theory Duration</b> (hh:mm) 00:00  <b>Practical Duration</b> (hh:mm) 28:00  <b>Corresponding NOS Code</b> LSS/N2702	<ul style="list-style-type: none"> <li>Ensure materials and component parts meet specifications</li> <li>Maintain the required productivity and quality levels</li> <li>Carry out quality checks at agreed intervals and in the approved way</li> </ul>	Inspection report documents, Gloves, Safety shoe, Ear plug, Apron
Week 31	<b>Contribute to Achieving Product Quality in Lasting Operations</b>  <b>Theory Duration</b> (hh:mm) 00:00  <b>Practical Duration</b> (hh:mm) 28:00  <b>Corresponding NOS Code</b> LSS/N2702	<ul style="list-style-type: none"> <li>Identify faults in materials and products</li> <li>Identify causes of faults and take action to rectify the same to maintain product quality</li> <li>Report and replace faulty materials and component parts which do not meet specification</li> <li>Report faults outside personal responsibility to the appropriate person</li> </ul>	Sample footwear with defects after lasting operations, Inspection report documents, Gloves, Safety shoe, Ear plug, Apron
Week 32	<b>Contribute to Achieving Product Quality in Lasting Operations</b>  <b>Theory Duration</b> (hh:mm) 00:00  <b>Practical Duration</b> (hh:mm) 28:00  <b>Corresponding NOS Code</b> LSS/N2702	<ul style="list-style-type: none"> <li>Follow reporting procedures where the cause of faults cannot be identified</li> <li>Follow reporting procedures where the cause of faults cannot be identified</li> <li>Identify process problems that effect product quality and report them promptly to appropriate people</li> <li>Identify faults in finished products and trace their causes</li> </ul>	Sample footwear with defects after lasting operations, Inspection report documents, Gloves, Safety shoe, Ear plug, Apron
Week 33	<b>Maintain the Work Area, Tools and Machines</b>  <b>Theory Duration</b> (hh:mm) 04:00  <b>Practical Duration</b> (hh:mm) 22:00  <b>Corresponding NOS Code</b>	<ul style="list-style-type: none"> <li>Handle materials, machinery, equipment and tools safely and correctly</li> <li>Use correct lifting and handling procedures</li> <li>Use materials to minimize waste</li> <li>Prepare and organize work</li> <li>Maintain a clean and hazard free working area</li> <li>Deal with work interruptions</li> <li>Move around the workplace with care</li> <li>Maintain tools and equipment</li> <li>Carry out running maintenance within agreed schedules</li> <li>Carry out maintenance and/or cleaning outside responsibility</li> </ul>	One set of tools and facility for arranging tools, Lasting machines, Gloves, Safety shoe, Ear plug, Apron, Cleaning cloth, Water bucket, Cleaning materials, Mop, Dust bin, Broom, Grease, Lubricant oil



Sr. No.	Module	Key Learning Outcomes	Equipment Required
	LSS/N8501	<ul style="list-style-type: none"> <li>Report unsafe equipment and other dangerous occurrences</li> </ul>	
Week 34	<b>Maintain the Work Area, Tools and Machines</b>  <b>Theory Duration</b> (hh:mm) 00:00  <b>Practical Duration</b> (hh:mm) 24:00  <b>Corresponding NOS Code</b> LSS/N8501	<ul style="list-style-type: none"> <li>Ensure that the correct machine guards are in place</li> <li>Work in a comfortable position with the correct posture</li> <li>Use cleaning equipment and methods appropriate for the work to be carried out</li> <li>Dispose of waste safely in the designated location</li> <li>Store cleaning equipment safely after use</li> <li>Complete and store accurate records and documentation</li> <li>Maintain proper lighting, ventilation to make sure general comfort is there while working</li> <li>Give inputs and assist in completing documentation</li> <li>Report the need for maintenance and/or cleaning outside your area of responsibility</li> <li>Ensure safe and correct handling of materials, equipment and tools</li> <li>Maintain appropriate environment to protect stock from pilfering, theft, damage and deterioration</li> </ul>	One set of tools and facility for arranging tools, Lasting machines, Gloves, Safety shoe, Ear plug, Apron, Cleaning cloth, Water bucket, Cleaning materials, Mop, Dust bin, Broom, Grease, Lubricant oil
Week 35	<b>Maintain Health, Safety and Security at Workplace</b>  <b>Theory Duration</b> (hh:mm) 04:00  <b>Practical Duration</b> (hh:mm) 24:00  <b>Corresponding NOS Code</b> LSS/N8601	<ul style="list-style-type: none"> <li>Comply with health and safety related instructions applicable to the workplace</li> <li>Use and maintain personal protective equipment as per protocol</li> <li>Carry out own activities in line with approved guidelines and procedures</li> <li>Maintain a healthy lifestyle and guard against dependency on intoxicants</li> <li>Follow environment management system related procedures</li> <li>Identify and correct (if possible) malfunctions in machinery and equipment</li> <li>Report any service malfunctions that cannot be rectified</li> <li>Store materials and equipment in line with manufacturer's and organizational requirements</li> <li>Safely handle and move waste and debris</li> <li>Minimize health and safety risks to self and others due to own actions</li> <li>Seek clarifications, from supervisors or other authorized personnel in case of perceived risks</li> <li>Monitor the workplace and work processes for potential risks and threats</li> <li>Carry out periodic walk-through to keep work area free from hazards and obstructions, if assigned</li> <li>Report hazards and potential risks/ threats to supervisors or other authorized personnel</li> <li>Participate in mock drills/ evacuation procedures organized at the workplace</li> <li>Undertake first aid, fire-fighting and</li> </ul>	First aid kit, Fire extinguisher, Gloves, Safety shoe, Ear plug, Apron

Sr. No.	Module	Key Learning Outcomes	Equipment Required
		<p>emergency response training, if asked to do so</p> <ul style="list-style-type: none"> <li>Take action based on instructions in the event of fire, emergencies or accidents</li> <li>Follow organization procedures for shutdown and evacuation when required</li> </ul>	
Week 36	<p><b>Revision</b></p> <p><b>Theory Duration</b> (hh:mm) 10:00</p> <p><b>Practical Duration</b> (hh:mm) 30:00</p> <p><b>Corresponding NOS Code</b> LSS/N2701</p>	<ul style="list-style-type: none"> <li>Summarize the skills learned in previous weeks</li> <li>Attend all the previous exercises which are mixed</li> <li>Make them ready to adopt a career in this field</li> </ul>	All the equipment as mentioned above for Lasting Operator
	<p><b>Total Duration</b></p> <p><b>Theory Duration</b> <b>40:00</b></p> <p><b>Practical Duration</b> <b>920:00</b></p>	<p><b>Unique Equipment Required:</b></p> <p>Last, Upper, Tack hammer, Screwdriver, Lasting plier, Shoemaking pincer, Cutting nipper, Tack puller, Leather thickness measuring gauge, Leather shear, Scratch awl, Hex key, Spanner set, Knife, Last working mallet, Nails, PU adhesive, Brush, Toe cap, Foam, Counter tightening machine, Toe moulding machine, Forepart lasting machine, Seat and side lasting machine, Roughing machine, Sole pressing machine, De-lasting machine, Tape, Blower, Cotton cloth, Iron, Shoe brush, Thread, Shank, Cork, Heel pad, Sample footwear with defects after lasting operations, Inspection report documents, Gloves, Safety shoe, Ear plug, Apron, Cleaning cloth, Water bucket, Cleaning materials, Mop, Dust bin, Broom, Grease, Lubricant oil, First aid kit, Fire extinguisher, Sample legal documents</p>	

Grand Total Course Duration: **960 Hours, 0 Minutes**

## Assessment Criteria

<b>Assessment Criteria</b>	
<b>Job Role</b>	<b>Lasting Operator (Footwear)</b>
<b>Qualification Pack</b>	<b>LSS/Q2701, V1.0</b>
<b>Sector Skill Council</b>	<b>Leather</b>

<b>Sr. No.</b>	<b>Guidelines for Assessment</b>
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 70% of aggregate marks to successfully clear the assessment
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

Assessable Outcome	Assessment Criteria	Total Mark	Out Of	Marks Allocation	
				Theory	Skills Practical
<b>1. LSS/N2701: Carry out lasting operations using machine</b>	PC1. Make sure the work area is free from hazards	<b>100</b>	1	0	1
	PC2. Obtain and check the data on the work ticket or job card and carry out functions in line with the		2	0	2
	PC3. Ask questions to obtain more information on tasks when the instructions have are unclear		1	0	1
	PC4. Select and sort the tools and materials for the work		1	0	1
	PC5. Setup the equipment and machineries for lasting as per the job requirement		1	0	1
	PC6. Make sure that tools are safe and clean to use on the material		1	0	1
	PC7. Agree and review agreed upon work targets with supervisor		1	0	1
	PC8. Seek feedback from supervisor on work related performance		1	0	1
	PC9. Update and develop knowledge of the products		1	0	1
	PC10. Minimize wastage		1	0	1
	PC11. Produce the required batch of components to match the job card and the company's production targets		2	0	2
	PC12. Dispose of waste materials safely and return re-useable materials		1	0	1
	PC13. Work in conformance to legal requirements, organizational policies and procedures		1	0	1
	PC14. Carry out visual inspection to ensure the products are free from handling defects		1	0	1
	PC15. Hammer the back portion of the upper and place the counter inside the back portion of the upper		2	0	2
	PC16. Clamp the Upper onto the machine tightly		1	0	1
	PC17. Carry out Counter tightening operation by pressing the star button on the machine		1	0	1
	PC18. Ensure no creases are formed on the inside of the upper while performing counter tightening		2	0	2
	PC19. Remove the upper from the counter tightening machine		7	5	2
	PC20. Place the toe cap inside of the upper in between vamp and vamp lining		2	0	2
	PC21. Fix the vamp of the upper into the toe moulding machine		1	0	1
	PC22. Carryout the toe moulding operation by pressing the start button on the toe moulding machine		2	0	2
	PC23. Remove the upper from the toe moulding machine		1	0	1

Assessable Outcome	Assessment Criteria	Total Mark	Out Of	Marks Allocation	
				Theory	Skills Practical
	PC24. Select appropriate last according to the size of the upper		2	0	2
	PC25. Fix the upper on to the last		2	0	2
	PC26. Adjust the back height of the upper based on the mark on the last by pulling with pincher		1	0	1
	PC27. Fix the last in the machine for toe lasting operation		1	0	1
	PC28. Carryout toe lasting operation by pressing the start buttons of the machine with both hand and at the same time pressing the bottom start button of the machine with knee		12	10	2
	PC29. Remove the lasted upper from the machine		1	0	1
	PC30. Fix the toe lasted upper in the machine for seat lasting operation		1	0	1
	PC31. Carryout seat lasting operation by using the machine		2	0	2
	PC32. Remove the finished part from the machine		2	0	2
	PC33. Apply the adhesive on the insole and the inside of the upper		1	0	1
	PC34. Pull the sides of the upper and adjust it appropriately with pincher		2	0	2
	PC35. Hammer the sides of the upper to perform side lasting		1	0	1
	PC36. Ensure the condition of the grinding wheel or emery paper as per specification		1	0	1
	PC37. Operate the machine to roughen the finished part of the bottom portion of the lasted upper		1	0	1
	PC38. Ensure only a thin layer of the finished portion is roughed		1	0	1
	PC39. Ensure the edges of the lasted upper are roughed carefully		2	0	2
	PC40. Place the sole on the lasted upper to attach it temporarily		7	5	2
	PC41. Ensure the sole and the lasted upper is attached appropriately along the edges		2	0	2
	PC42. Place the temporary attached lasted upper and the sole into the pressing machine		1	0	1
	PC43. Operate the machine to attach the sole and the upper by pressing the start button on the machine		2	0	2
	PC44. Remove the sole attached lasted upper		7	5	2
	PC45. Fix the shoe onto the de-lasting machine		1	0	1
	PC46. Carry out de-lasting operation by operating the de-lasting machine and Applying pressure on the toe		2	0	2

Assessable Outcome	Assessment Criteria	Total Mark	Out Of	Marks Allocation	
				Theory	Skills Practical
	portion of the shoe with hand simultaneously				
	PC47. Remove the shoe from the last		1	0	1
	PC48. Report risks/ problems likely to affect services to the relevant person promptly and accurately		1	0	1
	PC49. Report defects in the tools and equipment that, one does not have the authority to repair		6	5	1
	PC50. Carry out closedown procedures on completion of work		1	0	1
	PC51. Sort and place work to assist the next stage of production and minimize the risk of damage		1	0	1
	<b>Total</b>		<b>100</b>	<b>30</b>	<b>70</b>
<b>2. LSS/N2702: Contribute to achieving product quality in lasting operation</b>	PC1. Handle materials, machinery, equipment and tools safely and correctly	<b>50</b>	2	0	2
	PC2. Use correct lifting and handling procedures		2	0	2
	PC3. Use materials to minimize waste		3	0	3
	PC4. Prepare and organize work		2	0	2
	PC5. Maintain a clean and hazard free working area		3	0	3
	PC6. Deal with work interruptions		2	0	2
	PC7. Move around the workplace with care		3	0	3
	PC8. Maintain tools and equipment		3	0	3
	PC9. Carry out running maintenance within agreed schedules		4	2	2
	PC10. Carry out maintenance and/or cleaning outside responsibility		2	1	1
	PC11. Report unsafe equipment and other dangerous occurrences		3	2	1
	PC12. Ensure that the correct machine guards are in place		1	0	1
	PC13. Work in a comfortable position with the correct posture		2	1	1
	PC14. Use cleaning equipment and methods appropriate for the work to be carried out		3	2	1
	PC15. Dispose of waste safely in the designated location		3	2	1
	PC16. Store cleaning equipment safely after use		2	1	1
	PC17. Complete and store accurate records and documentation		2	1	1
	PC18. Maintain proper lighting, ventilation to make sure general comfort is there while working		2	1	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		2	1	1

Assessable Outcome	Assessment Criteria	Total Mark	Out Of	Marks Allocation	
				Theory	Skills Practical
	of materials, equipment and tools				
	PC22. Maintain appropriate environment to protect stock from pilfering, theft, damage and deterioration		2	1	1
	<b>Total</b>		<b>50</b>	<b>35</b>	<b>15</b>
<b>3. LSS/N8501: Maintain the work area, tools and machines</b>	PC1. Handle materials, machinery, equipment and tools safely and correctly	<b>50</b>	2	0	2
	PC2. Use correct lifting and handling procedures		2	0	2
	PC3. Use materials to minimize waste		3	0	3
	PC4. Prepare and organize work		2	0	2
	PC5. Maintain a clean and hazard free working area		3	0	3
	PC6. Deal with work interruptions		2	0	2
	PC7. Move around the workplace with care		3	0	3
	PC8. Maintain tools and equipment		3	0	3
	PC9. Carry out running maintenance within agreed schedules		4	2	2
	PC10. Carry out maintenance and/or cleaning outside responsibility		2	1	1
	PC11. Report unsafe equipment and other dangerous occurrences		3	2	1
	PC12. Ensure that the correct machine guards are in place		1	0	1
	PC13. Work in a comfortable position with the correct posture		2	1	1
	PC14. Use cleaning equipment and methods appropriate for the work to be carried out		3	2	1
	PC15. Dispose of waste safely in the designated location		3	2	1
	PC16. Store cleaning equipment safely after use		2	1	1
	PC17. Complete and store accurate records and documentation		2	1	1
	PC18. Maintain proper lighting, ventilation to make sure general comfort is there while working		2	1	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		2	1	1
	PC22. Maintain appropriate environment to protect stock from pilfering, theft, damage and deterioration		2	1	1
	<b>Total</b>		<b>50</b>	<b>15</b>	<b>35</b>
<b>4. LSS/N8601: Maintain health, safety and security at workplace</b>	PC1. Comply with health and safety related instructions applicable to the workplace	<b>25</b>	1	0	1
	PC2. Use and maintain personal protective equipment as per protocol		1	0	1

Assessable Outcome	Assessment Criteria	Total Mark	Out Of	Marks Allocation	
				Theory	Skills Practical
	PC3. Carry out own activities in line with approved guidelines and procedures		1	0	1
	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 waste and debris		0.5	0	0.5
	PC10. Minimize health and safety risks to self and others due to own actions		1	0	1
	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		0.5	0	0.5
	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
	<b>Total</b>		<b>25</b>	<b>10</b>	<b>15</b>
<b>5. LSS/N8701: Comply with industry, regulatory and organizational requirements</b>	PC1. Carry out work functions in accordance with legislation and regulations, organizational guidelines and procedures	<b>25</b>	10	5	5
	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		8	5	3
	PC5. Identify and report any possible deviation to these requirements		2	0	2



Assessable Outcome	Assessment Criteria	Total Mark	Out Of	Marks Allocation	
				Theory	Skills Practical
	<b>Total</b>		<b>25</b>	<b>10</b>	<b>15</b>
	<b>Grand Total</b>	<b>250</b>	<b>250</b>	<b>100</b>	<b>150</b>
	<b>Percentage weightage</b>			<b>40%</b>	<b>60%</b>
	<b>Minimum pass % to qualify (aggregate)</b>			70%	

## EQUIPMENT LIST

### LASTING OPERATOR (FOOTWEAR) – LSS/Q2701

Sr. No	SSC	QP Code	Name of the QP	NSQF Level	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	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Last	Each 1 pair	Nos	Yes	Standard 1 pair for each
2	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Upper	Each 1 pair	Nos	Yes	Leather uppers
3	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Leather shear	5	Nos	Yes	150mm and 300mm
4	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Hand clicking knife	5	Nos	Yes	Stainless steel
5	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Last working mallet	5	Nos	Yes	Wooden
6	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Tack hammer	2	Nos	Yes	100 gms, 200 gms, 300 gms and 500 gms
7	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Nails	200 gms	Weight	Yes	Shoe tacking nails
8	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	PU adhesive	100 gms	Weight	Yes	Standard
10	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Toe cap	Each 1 pair	Nos	Yes	
11	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Foam	Each 1 pair	Nos	Yes	
12	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Counter tightening machine	1	Nos	Yes	
13	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Toe moulding machine	1	Nos	Yes	
14	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Forepart lasting machine	1	Nos	Yes	
15	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Seat and side lasting machine	1	Nos	Yes	
16	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Roughing machine	1	Nos	Yes	
17	LSSC	LSS/Q2701	Lasting Operator	4	Sole pressing	1	Nos	Yes	

			(Footwear)		machine				
18	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	De-lasting machine	1	Nos	Yes	
19	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Tape	5	Roll	Yes	Masking tape
20	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Blower	1	Nos	Yes	Hot air blower
21	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Scratch awl	5	Nos	Yes	Tempered sharp steel needle with wooden handle
22	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Hex key	5	Set	Yes	Standard
23	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Spanner set	5	Set	Yes	Standard
24	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Iron	1	Nos	Yes	To heat
25	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Shoe brush	2	Nos	Yes	Broad type
26	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Thread	½ kg	Weight	Yes	Shoe stitching thread
27	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Shank	Each 1	Nos	Yes	Steel shank for shoe
28	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Cork	Each 1	Nos	Yes	Shoe bottom filler
29	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Heel pad	Each 1	Nos	Yes	For shoe
30	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Cutting nipper	5	Nos	Yes	End cutting
31	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Screwdriver	5	Nos	Yes	Small size and long size
32	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Lasting plier	5	Nos	Yes	8 Inch
33	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Shoemaking pincer	5	Nos	Yes	Broad square nose
34	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Tack puller	5	Nos	Yes	To pull small nails

35	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Leather thickness measuring gauge	1	Nos	Yes	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/cm <sup>2</sup> Throat depth: 50 mm
36	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Sample footwear with defects after lasting operations	10	Nos	Yes	Different defects
37	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Inspection report documents	1	Nos	Yes	Standard
38	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Grease	250 ml	Weight	Yes	Machine grease
39	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Lubricant oil	250 ml	Weight	Yes	Machine oil
40	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Garbage Bins	3	Nos	Yes	30 ltrs capacity
41	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Cotton cloth	5	Nos	Yes	Cleaning type
42	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Dust Pan with Handle & Broom	1	Nos	Yes	Long handle
43	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Dry and wet mop	5	Nos	Yes	Long handle
44	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Water Bucket	1	Nos	Yes	20 ltrs capacity
45	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	PPE set	2	Nos	Yes	Standard
46	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	First aid kit	1	Nos	Yes	Standard
47	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Fire Extinguisher	1	Nos	Yes	ABC Type
48	LSSC	LSS/Q2701	Lasting Operator (Footwear)	4	Sample legal documents	1	Nos	Yes	Standard

## FURTHER 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, pre-assembly, embossing, polishing and cleaning etc. and Vertically, they can go to higher levels in plant hierarchy.

### **Employment opportunities:**

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

- 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.

## **INFRASTRUCTURE FOR ON-JOB TRAINING**

### **TRADE: LASTING OPERATOR (FOOTWEAR)**

#### **For a Batch of 30 APPRENTICES**

Actual training will depend on the existing facilities available in the establishments. However, the industry should ensure that the broad skills defined against On-Job Training part (i.e. 9 months) are imparted. In case of any short fall, the concern industry may impart the training in cluster mode/ any other industry/ at any set up.

## **GUIDELINES FOR INSTRUCTORS AND PAPER SETTERS**

Due care to be taken for proper & inclusive training delivery in the batch.

1. Some of the following method of delivery may be adopted:
  - a. LECTURE
  - b. LESSON
  - c. DEMONSTRATION
  - d. PRACTICE
  - e. GROUP DISCUSSION
  - f. DISCUSSION WITH PEER GROUP
  - g. PROJECT WORK
  - h. STORE VISIT
2. Maximum utilization of latest form of training viz., audio visual aids, integration of IT, etc. may be adopted.
3. The total hours to be devoted against each topic may be decided with due diligence to safety & with prioritizing transfer of required skills.



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