



Model Curriculum

QP Name: Lasting Operator - Footwear

QP Code: LSS/Q2701

QP Version: 4.0

NSQF Level: 3

Model Curriculum Version: 3.0

Leather Sector Skill Council || Leather Sector Skill Council (LSSC), GCV House, Nungambakkam High Road,
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Table of Contents

Program Overview	5
Training Outcomes.....	5
Compulsory Modules	5
Module Details.....	7
Overview of the industry - Orientation.....	7
Carry out lasting operations by hand.....	8
Mapped to NOS: LSS/N2703	8
Carry out lasting operations using machine	10
Mapped to NOS: LSS/N2701	10
Contribute to achieving product quality in lasting operation.....	12
Mapped to NOS: LSS/N2702	12
Maintain health, safety & security, a clean work area & equipment, use optimized resources at the workplace and comply with industry & organizational Requirements.	13
Mapped to NOS: LSS/N8601	13
Employability Skills.....	15
Mapped to NOS: DGT/VSQ/N0101	15
Annexure.....	17
Trainer Requirements	17
Assessor Requirements.....	18
Assessment Strategy.....	19

Training Parameters

Sector	Leather
Sub-Sector	Footwear, Non-Leather Footwear
Occupation	Lasting
Country	India
NSQF Level	3
Aligned to NCO/ISCO/ISIC Code	NCO-2015/ 8156.1401
Minimum Educational Qualification and Experience	<p>9th grade pass with NA of experience OR 8th grade pass with 1 year of (NTC/ NAC) after 8th with NA of experience OR 8th grade pass and pursuing continuous schooling with NA of experience OR 8th grade pass with 1 Year of experience in relevant field OR 5th grade pass with 4 Years of experience in relevant field OR Ability to read and write with 5 Years of experience in relevant field OR Previous relevant Qualification of NSQF Level (Level 2) with 1 Year of experience in relevant field</p>
Pre-Requisite License or Training	Knowledge of full shoe making would be an added advantage
Minimum Job Entry Age	18 years
Last Reviewed On	17/11/2022
Next Review Date	17/11/2025
NSQC Approval Date	18/06/2015
QP Version	4.0
Model Curriculum Creation Date	3/03/2015
Model Curriculum Valid Up to Date	17/11/2025
Model Curriculum Version	3.0

Minimum Duration of the Course	330 Hours
Maximum Duration of the Course	450 Hours

Program Overview

This section summarizes the end objectives of the program along with its duration.

Training Outcomes

At the end of the program, the learner should have acquired the listed knowledge and skills.

- Gain knowledge on overview of footwear industry and generic skills
- Perform pre operational activities for hand and machine lasting
- Learn and perform hand lasting and machine lasting operations
- Demonstrate the post lasting operations like de lasting, pounding etc.,
- Conduct a quality inspection in lasting operations and identify faults, trace the causes for faults, and check that the work is done properly.
- Prepare reports and documentation related to the lasting process
- Handle material, tools and machines, maintain clean and hazard free work area, proper usage of cleaning equipment, maintain correct usage of workplace tools and equipment.
- Comply with health and safety measures in terms of personal safety and equipment safety relevant to shoemaking operations.

Compulsory Modules

The table lists the modules and their duration corresponding to the Compulsory NOS of the QP.

NOS and Module Details	Theory Duration	Practical Duration	On-the-Job Training Duration (Mandatory)	On-the-Job Training Duration (Recommended)	Total Duration
<i>Overview of the industry - Orientation</i>	3:00 hrs	00:00 hrs	--	--	3:00 hrs
LSS/N2703 – Carry out lasting operations by hand NOS Version No. 1 NSQF Level: 3	10:00 hrs	57:00 hrs	--	20:00 hrs	67:00 hrs
Module 1: Preparatory activities for lasting operation	02:00 hrs	05:00 hrs	--	--	07:00 hrs
Module 2: Toe cap and counter fixing activities	02:00 hrs	10:00 hrs	--	--	12:00 hrs
Module 3: Fore-part, side and seat lasting activities	06:00 hrs	42:00 hrs		20:00 hrs	48:00 hrs
LSS/N2701 – Carry out lasting operations using machine NOS Version No. 1 NSQF Level: 4	45:00 hrs	95:00 hrs	--	70:00 hrs	140:00 hrs
Module 1: Preparatory Work	02:00 hrs	01:00 hrs	--	--	03:00 hrs
Module 2: Counter Tightening Operation	02:00 hrs	05:00 hrs	--	--	07:00 hrs
Module 3: Toe Moulding Operation	02:00 hrs	05:00 hrs	--	--	07:00 hrs
Module 4: Forepart Lasting Operation	12:00 hrs	28:00 hrs	--	30:00 hrs	40:00 hrs
Module 5: Seat Lasting Operation	10:00 hrs	22:00 hrs	--	20:00 hrs	32:00 hrs
Module 6: Side Lasting Operation	10:00 hrs	20:00 hrs	--	20:00 hrs	30:00 hrs
Module 7: Roughing Operation	02:00 hrs	04:00 hrs	--	--	06:00 hrs
Module 8: Sole Pressing Operation	02:00 hrs	04:00 hrs	--	--	06:00 hrs
Module 9: De lasting Operation	01:00 hrs	04:00 hrs	--	--	05:00 hrs

Module 10: Reporting & Documentation	01:00 hrs	01:00 hrs	--	--	02:00 hrs
Module 11: Sorting & Placing	01:00 hrs	01:00 hrs	--	--	02:00 hrs
LSS/N2702 – Contribute achieving product quality in lasting operation NOS Version No. 1 NSQF Level: 4	20:00 hrs	40:00 hrs	--	10:00 hrs	60:00 hrs
Module 1: Inspection	18:00 hrs	36:00 hrs	--	--	54:00 hrs
Module 2: Reporting & Documentation	02:00 hrs	04:00 hrs	--	--	06:00 hrs
LSS/N8601 – Maintain health, safety & security, a clean work area & equipment, use optimized resources at the workplace, and comply with industry & organizational Requirements NOS Version No. 2 NSQF Level: 4	12:00 hrs	18:00 hrs	--	--	30:00 hrs
Module 1: Compliance with health, safety, and security requirements	02:00 hrs	04:00 hrs	--	--	06:00 hrs
Module 2: Maintain hygiene and sanitation	02:00 hrs	04:00 hrs	--	--	06:00 hrs
Module 3: Maintain the work area	01:00 hrs	03:00 hrs	--	--	04:00 hrs
Module 4: Perform the maintenance operations	01:00 hrs	03:00 hrs	--	--	04:00 hrs
Module 5: Compliance with industry, regulatory and organizational requirements	01:00 hrs	01:00 hrs	--	--	02:00 hrs
Module 6: Respect diversity	03:00 hrs	01:00 hrs	--	--	04:00 hrs
Module 7: Material conservation practices	00:50 hrs	00:50 hrs	--	--	01:00 hrs
Module 8: Energy/electricity conservation practices	01:00 hrs	01:00 hrs	--	--	02:00 hrs
Module 9: Effective waste management/recycling practices	00:50 hrs	00:50 hrs	--	--	01:00 hrs
DGT/VSQ/N0101 - Employability Skills _ NCVET Module NOS Version No. – 1.0 NSQF Level – 3	00:00 hrs	30:00 hrs	--	--	30:00 hrs
Total Duration	90:00 hrs	240:00 hrs	---	120:00 hrs	330:00 hrs

Module Details

Overview of the industry - Orientation

Terminal Outcomes:

At the end of the program, the learner should have acquired the listed knowledge and skills.

- Tell about the footwear industry and different types of job roles available there
- Describe about the materials used in both leather footwear and non-leather footwear and their properties.
- Identify the different types of samples & their products.
- Explain the roles and responsibilities of the lasting machine operator.

Duration: 03:00	Duration: 00:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Describe about the size and scope of the footwear industries • Discuss the leather & non-leather industry, lasting operation in footwear sector and generic skills • Understand various materials and their types & properties. • Explain the roles and responsibilities of a lasting Operator. • Describe the different technical terms used footwear industry. • Read the documents that are necessary for them to read to carry out operator's task 	<ul style="list-style-type: none"> • NIL
Classroom Aids:	
Computer, projector, printer, student table, whiteboard/flip chart, marker, duster	
Tools, Equipment and Other Requirements	
Trainer Guide/Facilitator Guide, Layout of footwear industry, different job roles list.	

Carry out lasting operations by hand

Mapped to NOS: LSS/N2703

Terminal Outcomes:

At the end of the module, the learner should have acquired the listed knowledge and skills.

- Understand the various functions on the production departments.
- Describe tools and materials used in lasting operations.
- Identify hand tools and machines used in lasting operations
- Prepare work area for lasting operations.
- Describe counter tightening, toe moulding, forepart lasting, seat lasting, side lasting, roughing, sole pressing, de-lasting operations
- Perform counter tightening, toe moulding, forepart lasting, side lasting, seat lasting, roughing, sole pressing, de-lasting operations
- Handle material, tools and machines, maintain clean and hazard free work area, proper usage of cleaning equipment, maintain correct usage of workplace tools and equipment.
- Carry out basic maintenance machinery and keep them clean after use.
- Maintain the production target, quality record and other documents.

Duration: 10:00	Duration: 57:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Explain various types of leather, fabrics/apparels in footwear • Explain the process of storing the raw materials as per specification sheet. • Describe the different types of last used for lasting • List down the different types of tools required for hand lasting like lasting jack, pincer, adhesive, lasting nails, nail puller, bone folder, mallet. • Understand the correct PPE's used for the hand lasting operation • Recognize the importance of toe cap/stiffener and counter stiffener • Procedures to use the tools for lasting hammer, pincher, etc., • describe various adhesives and proper application of adhesive • Procedures and concept of the operations followed in the lasting process • Report defective materials, tools and equipment to the supervisor • Agree upon work targets with your supervisor and check for special instructions, if any. 	<ul style="list-style-type: none"> • Insert the toe cap and counter inside the upper as per the operating procedure • Fix the upper on the last as per the standard operating procedure • Ensure the back height of the upper is adjusted as per the mark on the last • Apply the glue evenly on the inner edges of the upper and outer edges • of the insole as per the operating procedures • Attach the upper onto the insole and draft the nail as per the standard procedure • Trim the excess edges of the upper to avoid wrinkles • Hammer the fore part, side and seat of the upper on to the insole • Remove the wrinkles by hammering using mallet and clean the lasted upper • Sort and place work to the next stage of production and minimize the risk of damage. • Ensure that the work area is free from hazards. • Carry out Operations at a rate which maintains workflow and meets production targets. • Complete forms, records and other documentation

<ul style="list-style-type: none"> Identify the potential hazards associated with the material's and tools and the safety precautions that must be taken. 	
Classroom Aids:	
Computer, projector, printer, student table, whiteboard/flip chart, marker, duster	
Tools, Equipment and Other Requirements	
Mini marker patterns, marker soft copy, pattern marker hard copy, trimmers, lasting table, lasting jack, lasting pincer, mallet, Plastic last, cutting nipper, tack puller/nail remover, leather shear, knife, nails, PU adhesive, brush, sample job specifications, PPE's, waste bins, Quality record sheet, Trainer/Facilitator Guide, Participant Hand Book	

Carry out lasting operations using machine

Mapped to NOS: LSS/N2701

Terminal Outcomes:

At the end of the module, the learner should have acquired the listed knowledge and skills.

- Identify the type of leather or fabrics materials given.
- Prepare the tools, upper and machines for lasting operations.
- Describe tools and materials used in lasting operations
- Carry out counter tightening, toe mulling and moulding operation
- Place the insole on the last
- Maintain the production target, quality record and other documents.
- Analyses the production plan for lasting as per style/product/category/class.
- Handle material, tools and machines, maintain clean and hazard free work area, proper usage of cleaning equipment, maintain correct usage of workplace tools and equipment.

Duration: 45:00	Duration: 95:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Identify tools and quality of materials required for lasting operations. • Describe counter tightening, toe moulding, forepart lasting, seat lasting, side lasting, roughing, sole pressing, de-lasting operations • Explain the importance to identify different types of material faults. • Identify the various footwear parts. • Explain the details available in the Job card and specification file. • Understand the characteristics of leather ls • Identify the typical faults of lasting machines and methods to rectify them. • Select the appropriate tools and equipment's required for lasting. • Report defective machines, tools and equipment to the supervisor • Agree upon work targets with your supervisor and check for special instructions, if any. • Identify the potential hazards associated with the tools and the safety precautions that must be taken. 	<ul style="list-style-type: none"> • Hammer the back portion of the upper and place the counter inside the back portion of the upper • Carry out Counter tightening operation on the counter moulding machine. • Carryout the toe moulding operation by pressing the start button on the toe moulding machine • Fix the insole on the last and place the upper above the last • Adjust the back height of the upper based on the mark on the last by pulling with pincher • 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 • Carryout seat lasting operation by using the machine • Operate the machine to roughen the finished part of the bottom portion of the lasted upper • Place the temporary attached lasted upper and the sole into the pressing machine • Inspect lasted products against specifications. • Sort and place work to the next stage of production and minimize the risk of damage. • Ensure that the work area is free from hazards. • Carry out Operations at a rate which maintains workflow and meets production targets.

	<ul style="list-style-type: none"> Complete forms, records and other documentation
Classroom Aids:	
Computer, projector, printer, student table, whiteboard/flip chart, marker, duster	
Tools, Equipment and Other Requirements	
Mini marker patterns, marker soft copy, pattern marker hard copy, 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, sample materials for practice, sample job specifications, PPE's, waste bins, Quality record sheet, Trainer/Facilitator Guide, Participant Hand Book	

Contribute to achieving product quality in lasting operation

Mapped to NOS: LSS/N2702

Terminal Outcomes:

At the end of the module, the learner should have acquired the listed knowledge and skills.

- Identify the type and properties of leather & materials given.
- Operate machine in accordance with machine and workplace standards
- Identify faults in materials and products.
- Maintain product quality
- Find the problem caused by man, machine, materials or methods.
- Maintain the continuity of production process with minimum interactions and down time.
- Explain the type of problems with quality and how to report it.
- Carryout quality checks at the specific intervals according to instructions or by their own

Duration: 20:00	Duration: 40:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Understand the selection of appropriate lasts as per the size and model given • Identify faults in materials and products • Identify causes of faults and take action to rectify the same to maintain product quality • Report and replace faulty materials and component parts which do not meet specification • Follow reporting procedures where the cause of faults cannot be identified • Describe different techniques and methods used to detect faults. • Identify the different types of faults that are likely to be found and how to put them right. • Identify the materials required based on the job card/ work ticket. • Explain types of problems with quality and how to report them to appropriate people. 	<ul style="list-style-type: none"> • Set up and test machines to ensure correct operation. • Ensure the last and upper is placed appropriately in the machines • Ensure creases do not appear on the inside of the back portion of the upper while counter tightening • Check the shape of the shoe is retained during toe moulding operation • Ensure pleats do not appear in the seat portion of the lasted upper after seat lasting process • Report faults outside personal responsibility to the appropriate person • Fault-find materials and components for creased, stained, damage and incorrectly made up component parts • Report and replace identified faulty materials and component parts which do not meet specifications. • Demonstrate the modifiable defects and rework on them. • Carry out quality checks at specified intervals according to instructions. • Perform work with safety and at a rate which maintains workflow.
Classroom Aids:	
Computer, projector, printer, student table, whiteboard/flip chart, marker, duster	
Tools, Equipment and Other Requirements	
Mini marker patterns, marker soft copy, pattern marker hard copy, Sample footwear with defects after lasting operations, Inspection report documents, Gloves, Safety shoe, Ear plug, Apron, PPE's, waste bins, Quality record sheet, Trainer/Facilitator Guide, Participant Hand Book	

Maintain health, safety & security, a clean work area & equipment, use optimized resources at the workplace and comply with industry & organizational Requirements.

Mapped to NOS: LSS/N8601

Terminal Outcomes:

At the end of this module, the learner should have acquired the listed knowledge and skills.

- Explain and demonstrate the health & safety procedures related to the workplace by proper use of PPEs, handling of hazards, etc.,
- Maintain the hygiene and sanitation at the workplace.
- Perform the fire safety mock drill, firefighting equipment usage, emergency evacuation process, safe assembly points.
- Carry out environmental management systems in the workplace.
- Carry out basic first aid techniques for the emergency.
- Describe the practice of the correct lifting & Handling procedures and a comfortable working position.
- Check the machine guards, safety switches are working properly & carry out safe working practices.
- Perform the running maintenance of tools, equipment & machines as scheduled.
- Follow the importance of having an ethical and value-based approach & carry out this per the regulations.
- Describe the benefits of following organizational norms for values and ethics.
- Interpret correctly legal, regulatory and ethical requirements specific to the industry and can follow the procedures.
- Explain the respect of social diversity at the workplace
- Conserve the materials while performing sample making operation
- Optimize the electricity and other energy on the sample making operation
- Understand the energy utilization and their effect on global warming and environment
- Know types of wastes related to the production process

Duration: 12:00	Duration: 18:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Explain health and safety-related practices applicable at the workplace including general hazards or risk that can lead to accidents • Explain the sanitation and social distancing importance in the workplace. • Explain various personal protective equipment and their method of use • List potential hazards, risks, and threats based on the nature of operations • Describe the ill-effects of alcohol, tobacco, and drugs. Maintain a healthy lifestyle and guard against dependency on intoxicants 	<ul style="list-style-type: none"> • Demonstrate wearing different personal protective equipment as per protocol • Carry out environmental management system related operations at the workplace. • Demonstrate personnel hygiene, sanitation and social distancing importance at the workplace. • Carry out the mock drill for firefighting, emergency exit escape routes, emergency equipment usage and assembling, etc., • Carry out basic first aid procedures for emergencies.

<ul style="list-style-type: none"> • State details of personnel trained in first aid, fire-fighting and emergency response • Describe actions to take in the event of a mock drill/ evacuation procedures or actual accident, emergency or fire. • Describe safe working practices for tools, machines & equipment. • Describe the method & procedures to keep the records during the production process. • Explain the importance of keeping accurate records for quality. • Check the machine guards are properly fixed and handling methods to move waste & debris accurately • State the importance of having an ethical and value-based approach. • Describe the benefits of following organizational norms. • Interpret correctly legal, regulatory and ethical requirements specific to the leather industry. • Identify procedures to follow if legal, regulatory and ethical requirements of an organization are not met. • Identify and report any possible deviation to ethical requirements. • Describe what is social diversity and treating everyone without any personnel bias based on the gender, disability, caste, religion, colour, sexual orientation and culture. • Describe the energy utilization and how it is related to global warming and environment. • Explain the ways to save electricity and other energy while performing any operations. • List down the wastes Based on non-cyclable, hazardous and recyclable types 	<ul style="list-style-type: none"> • Store materials and equipment as per manufacturer's and organizational prerequisites • Supervise the workplace and work processes for potential risks and threats. • Practice the correct lifting & handling procedures. • Demonstrate a comfortable position with correct posture while working. • Carry out the safe working practices for cleaning & maintenance of equipment according to schedule. • Carry out the process control of machines where heat, pressure and time parameters applicable as per the SOPs. • Perform the running maintenance of tools, equipment & machines as scheduled. • Complete & store the respective records and documents. Carry out work functions following legislation and regulations, organizational guidelines and procedures • Follow the policies and procedures within the work practices • Design the policies with the behavioural mindset of workers to comply with the standards. • Recognize the indicators of harassment and discrimination based on gender, disability, caste, religion, colour, sexual orientation and culture at the workplace. • Report the incident of harassments and discriminating to the appropriate authority. • Respect the personal and professional space of others • Perform the electricity saving process while sample making operations like switching off machines, lights, fans when in idle conditions. • Demonstrate the use of natural ventilation and lighting system • Segregate the wastes based on the types • Deposited these types of wastes in identified locations
Classroom Aids:	
Computer, projector, printer, student table, whiteboard/flip chart, marker, duster	
Tools, Equipment and Other Requirements	
PPEs, firefighting cylinders, hoses, oxygen cylinders, dust bin, Sanitizers, Grease, lubricant oil, thermometer, stopwatch, cleaning agent, Sample Legal documents according to factories act, Material Safety Data Sheet (MSDS), Needle breakup policy, Sharp tools audit policy, SOP for electrical instrument handling, Trainer/Facilitator Guide, Participant Hand Book	

Employability Skills

Mapped to NOS: DGT/VSQ/N0101

Terminal Outcomes:

At the end of this module, the learner should have acquired the listed knowledge and skills.

- Discuss the importance of Employability Skills in meeting the job requirements
- Explain constitutional values, civic rights, duties, citizenship, responsibility towards society etc. that are required to be followed to become a responsible citizen
- Show how to practice different environmentally sustainable practices
- Discuss 21st century skills
- Display positive attitude, self -motivation, problem solving, time management skills and continuous learning mind-set in different situations
- Use appropriate basic English sentences/phrases while speaking
- Demonstrate how to communicate in a well -mannered way with others
- Demonstrate working with others in a team
- Show how to conduct oneself appropriately with all genders and PwD
- Discuss the significance of reporting sexual harassment issues in time
- Discuss the significance of using financial products and services safely and securely
- Explain the importance of managing expenses, income, and savings
- Explain the significance of approaching the concerned authorities in time for any exploitation as per legal rights and laws
- Show how to operate digital devices and use the associated applications and features, safely and securely
- Discuss the significance of using internet for browsing, accessing social media platforms, safely and securely
- Discuss the need for identifying opportunities for potential business, sources for arranging money and potential legal and financial challenges
- Differentiate between types of customers
- Explain the significance of identifying customer needs and addressing them
- Discuss the significance of maintaining hygiene and dressing appropriately
- Create a biodata
- Use various sources to search and apply for jobs
- Discuss the significance of dressing up neatly and maintaining hygiene for an interview
- Discuss how to search and register for apprenticeship opportunities

Duration: 00:00	Duration: 30:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> NA 	<ul style="list-style-type: none"> Discuss the importance of Employability Skills in meeting the job requirements Explain constitutional values, civic rights, duties, citizenship, responsibility towards society etc. that are required to be followed to become a responsible citizen. Show how to practice different environmentally sustainable practices Discuss 21st Century skills Display positive attitude, self -motivation, problem solving, time management skills and continuous learning mind set in different situations Demonstrate how to communicate in a well -mannered way with others Demonstrate working with others in a team Show how to conduct oneself appropriately with all genders and PwD Show how to operate digital devices and use the associated applications and features, safely and securely Differentiate between types of customers Create a biodata Use various sources to search and apply for jobs Describe opportunities as an entrepreneur
Classroom Aids:	
Computer, projector, printer, student table, whiteboard/flip chart, marker, duster	
Tools, Equipment and Other Requirements	

Annexure

Trainer Requirements

Trainer Prerequisites						
Minimum Educational Qualification	Specialization	Relevant Industry Experience		Training Experience		Remarks
		Years	Specialization	Years	Specialization	
Graduate in any discipline.		4	Supervisory job role in lasting/full shoe dept. in footwear Industry	2		Leather/non-leather footwear industry experience is prepared
Diploma in any discipline		4	Supervisory job role in lasting/full shoe dept. in footwear Industry	2		Leather/non-leather footwear industry experience is prepared
12 th Class		5	Supervisory job role in lasting/full shoe dept. in footwear Industry	2		Leather/non-leather footwear industry experience is prepared

Trainer Certification	
Domain Certification	Platform Certification
LSS/Q2701 – Lasting Operator - Footwear	MEP/Q2601 – Trainer

Assessor Requirements

Assessor Prerequisites						
Minimum Educational Qualification	Specialization	Relevant Industry Experience		Training Experience		Remarks
		Years	Specialization	Years	Specialization	
Graduate in any discipline.		4	Supervisory job role in lasting/full shoe dept. in footwear Industry	2		Leather/non-leather footwear industry experience is prepared
Diploma in any discipline		4	Supervisory job role in lasting/full shoe dept. in footwear Industry	2		Leather/non-leather footwear industry experience is prepared
12 th Class		5	Supervisory job role in lasting/full shoe dept. in footwear Industry	2		Leather/non-leather footwear industry experience is prepared

Assessor Certification	
Domain Certification	Platform Certification
LSS/Q2701 – Lasting Operator - Footwear	MEP/Q2701 – Assessor

Assessment Strategy

Assessment system Overview

Assessment will be carried out by LSSC or by assessment partners with no link to training partners. Based on the results of the assessment, LSSC will certify the candidates who have scored a minimum pass percentage.

The assessment will have both theory and practical components in 30:70 ratio.

The assessment consist of two-component

1. Cognitive (Knowledge-based)
 - a. It is a summative assessment consist of 20 theory questions with multiple choice equally distributed to NOS present in the qualification pack.
 - b. This will test their knowledge & understanding of the theory concept covered in the training part.
2. Psychomotor (Skill based)
 - a. It is formative assessment consist of practical demonstration & performance of the job role as per the NOS (including VIVA)
 - b. This will test their skill and application of practical concepts on the QP.

Testing Environment

The training partner (TP) has to share the following data

1. Batch start and end date
2. Number of candidates
3. Name of candidates with photo & identity card details.
4. Job role
5. Scheme (PMKVY, SSDM, special projects, etc.,)

Assessment will be fixed for a day after the end date of the training. It could be the next day or later. Assessment will be conducted at the training venue. Room, where assessment is conducted, will be set with proper seating arrangements with enough space to prevent copying.

Assessment for Theory and practical is conducted on the same day and needed resources for assessment like machines, materials, etc., can be used from the same training centre.

Assessment procedure and quality assurance

1. On assessment day, the assessor gives an orientation to the trainees covering the structure of the assessment, the use of the tab, and general instructions.
2. The assessor has to check the candidate's attendance percentage as per the scheme criteria.
3. The sequence of components within the assessment, i.e. theory, practical, viva, is flexible.
4. The assessor takes a call depending on the total time duration, number of candidates, availability of equipment, etc.
5. Theory assessment will be done batch-wise and practical assessment will be done, individual candidates.
6. Most assessments include some form of online testing. Even in regions with low internet connectivity, it is easy to do online assessments. The tabs used by assessment agencies store the data and upload it once the network is connected.

7. During the assessment, the assessor can put marks directly or also can record short video relevance to practical questions on how candidates are doing and submitted on the portal and it valuated and marks distribute.
8. Either LSSC or assessment agency will upload the marks in SIP or it will be approved by LSSC within 7 days of assessment.