



सूक्ष्म, लघु एवं मध्यम उद्यम मंत्रालय
DEVELOPMENT COMMISSIONER
MINISTRY OF MICRO, SMALL & MEDIUM
ENTERPRISES

MSME TECHNOLOGY CENTRE



Skill India
कौशल भारत - कुशल भारत

Please refer [Guidelines for STT/LTT/Apprenticeship/OEM Qualification File](#)

QUALIFICATION FILE

Technical Supervisor- Advanced Footwear Technology

- Short Term Training (STT/) Long Term Training (LTT) Apprenticeship
 Upskilling Dual/Flexi Qualification For ToT For ToA
 General Multi-skill (MS) Cross Sectorial (CS) Future Skills OEM

NCrF/NSQF Level: 5.0

Submitted By:

MSME TECHNOLOGY CENTRE

O/o DC MSME, Ministry of Micro, Small and Medium Enterprises

Govt. of India

A-Wing, 7th Floor, Nirman Bhawan, Maulana Azad Road

New Delhi-110108

Contact No. +91-674-2654700

Email- msmetcab@gmail.com

Table of Contents

Section 1: Basic Details 3

Section 2: Module Summary 6

 NOS/s of Qualifications 6

 Mandatory NOS/s: 6

 Elective NOS/s: 6

 Optional NOS/s: 7

 Assessment - Minimum Qualifying Percentage 7

Section 3: Training Related 8

Section 4: Assessment Related 8

Section 5: Evidence of the need for the Qualification 9

Section 6: Annexure & Supporting Documents Check List 9

 Annexure: Evidence of Level 10

 Annexure: Tools and Equipment (Lab Set-Up) 12

 Annexure: Industry Validations Summary 14

 Annexure: Training & Employment Details 15

 Annexure: Detailed Assessment Criteria 16

 Annexure: Assessment Strategy 21

 Annexure: Blended Learning 22

 Annexure: Acronym and Glossary 23

Section 1: Basic Details

1. Qualification Name	Technical Supervisor- Advanced Footwear Technology/Technical Supervisor - Product Development and Manufacturing Footwear Manufacturing and Quality Control Specialist	
2. Sector/s	Leather	
3. Type of Qualification: <input checked="" type="checkbox"/> New <input type="checkbox"/> Revised <input type="checkbox"/> Has Electives/Options <input type="checkbox"/> OEM	NQR Code & version of existing/previous qualification: <i>(change to previous, once approved)</i>	Qualification Name of existing/previous version: - Technical Supervisor- Advanced Footwear Technology/Technical Supervisor - Product Development and Manufacturing Technical Supervisor-Footwear Manufacturing and Quality Control Specialist
4. a. OEM Name b. Qualification Name <i>(Wherever applicable)</i>	NA -	
5. National Qualification Register (NQR) Code & Version <i>(Will be issued after NSQC approval)</i>	QG-05-LT-04166-2025-V1-MSMETC	6. NCrF/NSQF Level: 5.0
7. Award (Certificate/Diploma/Advance Diploma/Any Other) <i>(Wherever applicable specify multiple entry/exits also & provide details in annexure)</i>		
8. Brief Description of the Qualification	Learners who attain this qualification are capable in Designing & Pattern Cutting, Clicking, Closing & Lasting making and finishing fields of Footwear and Allied sectors and can get a job in Production, Quality, Designing & Merchandising fields of Footwear sector and also can able to become an entrepreneur Qualifying learners are capable to design a shoe, cut & assemble upper part of shoe and Lasting & finishing of Shoe	
9. Eligibility Criteria for Entry for Student/Trainee/Learner/Employee	a. Entry Qualification & Relevant Experience: Completed 3 year diploma after 10th Grade / Completed 1st year UG or equivalent b. Age: 18 to 35 Years	

10. Credits Assigned to this Qualification, Subject to Assessment (as per National Credit Framework (NCrF))	40	11. Common Cost Norm Category (I/II/III) (wherever applicable): I																											
12. Any Licensing requirements for Undertaking Training on This Qualification (wherever applicable)	NA																												
13. Training Duration by Modes of Training Delivery (Specify Total Duration as per selected training delivery modes and as per requirement of the qualification)	<input type="checkbox"/> Offline <input type="checkbox"/> Online <input checked="" type="checkbox"/> Blended <table border="1" data-bbox="763 424 2042 691"> <thead> <tr> <th>Training Delivery Modes</th> <th>Theory (Hours)</th> <th>Practical (Hours)</th> <th>OJT Mandatory (Hours)</th> <th>OJT Recommended (Hours)</th> <th>Total (Hours)</th> </tr> </thead> <tbody> <tr> <td>Classroom (offline)</td> <td>132</td> <td>630</td> <td>240</td> <td>-</td> <td>1002</td> </tr> <tr> <td>Online</td> <td>198</td> <td>-</td> <td>-</td> <td>-</td> <td>198</td> </tr> <tr> <td>Total</td> <td>330</td> <td>630</td> <td>240</td> <td></td> <td>1200</td> </tr> </tbody> </table> <p>(Refer Blended Learning Annexure for details)</p>					Training Delivery Modes	Theory (Hours)	Practical (Hours)	OJT Mandatory (Hours)	OJT Recommended (Hours)	Total (Hours)	Classroom (offline)	132	630	240	-	1002	Online	198	-	-	-	198	Total	330	630	240		1200
Training Delivery Modes	Theory (Hours)	Practical (Hours)	OJT Mandatory (Hours)	OJT Recommended (Hours)	Total (Hours)																								
Classroom (offline)	132	630	240	-	1002																								
Online	198	-	-	-	198																								
Total	330	630	240		1200																								
14. Aligned to NCO/ISCO Code/s (if no code is available mention the same)	7536.0100 / Shoemaker																												
15. Progression path after attaining the qualification (Please show Professional and Academic progression)	ASST. TECHNICAL MANAGER																												
16. Other Indian languages in which the Qualification & Model Curriculum are being submitted	English and Hindi																												
17. Is similar Qualification(s) available on NQR-if yes, justification for this qualification	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No URLs of similar Qualifications:																												
18. Is the Job Role Amenable to Persons with Disability	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If "Yes", specify applicable type of Disability: : LA, LF, LV, LY, LD, BB																												
19. How Participation of Women will be Encouraged	Seats are reserved as per Government Norms.																												
20. Are Greening/ Environment Sustainability Aspects Covered (Specify the NOS/Module which covers it)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No The said aspect is covered in the module name QMS/QT Tools.																												
21. Is Qualification Suitable to be Offered in Schools/Colleges	Schools <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Colleges <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																												

22. Name and Contact Details of Submitting / Awarding Body SPOC <i>(In case of CS or MS, provide details of both Lead AB & Supporting ABs)</i>	Name: Sh. Vijay Mahipatrao Bankar Contact No. +0755 3501078 Email-msmetcab@gmail.com	
23. Final Approval Date by NSQC: 8TH May 2025	24. Validity Duration: 3 yrs	25. Next Review Date: 8TH May 2025

NSQC APPROVED

Section 2: Module Summary

NOS/s of Qualifications

(In exceptional cases these could be described as components)

Mandatory NOS/s:

Specify the training duration and assessment criteria at NOS/ Module level. For further details refer curriculum document.

Th.-Theory **Pr.**-Practical **OJT**-On the Job **Man.**-Mandatory Training **Rec.**-Recommended **Proj.**-Project

SL NO	NOS/Module Name	NOS/Module Code & Version (if applicable)	Core/ Non-Core	NCrF/N SQFLevel	Credits as per NCrF	Training Duration (Hours)					Assessment Marks					Weightage (%) (if applicable)
						Th.	Pr.	OJT-Man.	OJT-Rec.	Total	Th.	Pr.	Proj.	Viva	Total	
SEMESTER-I																
1.	Foot Physiology and Footwear Science	MSME/PDFT/ 01	Core	5	7	30	180	-	-	210	100	100	-	-	200	
2.	Footwear Materials	MSME/PDFT/02	Core	5	2	60	-	-	-	60	100	-	-	-	100	
3.	Material Cutting Techniques	MSME/PDFT/03	Core	5	4	30	90	-	-	120	100	100	-	-	200	
4.	Upper Construction Techniques	MSME/PDFT/04	Core	5	7	30	180			210	100	100			200	
Duration (in Hours) / Total Marks					20	150	450	0	0	600	400	300	0	0	700	
SEMESTER II																
5.	Footwear Assembling Techniques	MSME/PDFT/05	Core	5	7	30	180	-	-	210	100	100	-	-	200	
6.	Emerging Technology	MSME/PDFT/06	Core	5	1	30	0	-	-	30	100	-	-	-	100	
7.	Applied Management	MSME/PDFT/07	Non-Core	5	2	60	0	-	-	60	100	-	-	-	100	
8.	QMS / QT Tools	MSME/PDFT/08	Non-Core	5	1	30	0	-	-	30	100	-			100	
9.	Employability Skills	MSME/ES/01	Non-Core	5	1	30	0	-	-	30	100	-			100	
10.	OJT- Inplant Training	MSME/PDFT/ 10	Core	5	8	0	0	240	-	240	-	100			100	
Duration (in Hours) / Total Marks					20	180	180	240	0	600	500	200	0	0	700	

Elective NOS/s: NA

S. No	NOS/Module Name	NOS/Module Code & Version (if applicable)	Core/ Non-Core	NCrF/NSQF Level	Credits as per NCrF	Training Duration (Hours)					Assessment Marks					
						Th.	Pr.	OJT-Man.	OJT-Rec.	Total	Th.	Pr.	Proj.	Viva	Total	Weightage (%) (if applicable)
1.																
2.																
Duration (in Hours) / Total Marks																

Optional NOS/s: NA

S. No	NOS/Module Name	NOS/Module Code & Version (if applicable)	Core/ Non-Core	NCrF/NSQF Level	Credits as per NCrF	Training Duration (Hours)					Assessment Marks					
						Th.	Pr.	OJT-Man.	OJT-Rec.	Total	Th.	Pr.	Proj.	Viva	Total	Weightage (%) (if applicable)
1.																
2.																
Duration (in Hours) / Total Marks																

Assessment - Minimum Qualifying Percentage

Please specify **any one** of the following:

Minimum Pass Percentage –Aggregate at qualification level: (Every Trainee should score specified minimum aggregate passing percentage at qualification level to successfully clear the assessment.)

Minimum Marks to pass Theory Exam: 40%

Minimum Marks to pass Practical Exam: 60%

Minimum Pass Percentage –NOS/Module-wise: (Every Trainee should score specified minimum passing percentage in each mandatory and selected elective NOS/Module to successfully clear the assessment.)

Minimum Marks to pass Theory Exam: 40%

Minimum Marks to pass Practical Exam: 60%

Section 3: Training Related

1.	Trainer's Qualification and experience in the relevant sector (in years) (as per NCVET guidelines)	Diploma/ Degree in Footwear Technology or Equivalent with Practical skills and knowledge required in the relevant job role at least one level higher i.e level 5.5 5-0 and above in related field and minimum 2 years of experience in Tool Room/ Technology Centre of MSME or any reputed industry will become a trainer, Or in accordance with the TOT guideline of NCVET.
2.	Master Trainer's Qualification and experience in the relevant sector (in years) (as per NCVET guidelines)	Degree in Footwear Technology or equivalent with 3 to 5 years of experience in Production/ Training/ Design Department from Tool Room/ Technology Centre of MSME or any reputed industry will become as a Master Trainer, Or in accordance with the TOT guideline of NCVET.
3.	Tools and Equipment Required for Training	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If "Yes", details to be provided in Annexure)
4.	In Case of Revised Qualification, Details of Any Upskilling Required for Trainer	Yes

Section 4: Assessment Related

1.	Assessor's Qualification and experience in relevant sector (in years) (as per NCVET guidelines)	Diploma / Degree in Footwear Technology or equivalent with 3 years of experience in Production/ Training/ Design Department from Tool Room/ Technology Centre of MSME or any reputed industry. Only (TOA) certified assessors will be able to conduct the assessments.
2.	Proctor's Qualification and experience in relevant sector (in years) (as per NCVET guidelines)	Degree in Footwear Technology or equivalent with 5 years of experience in Production/ Training/ Design Department from Tool Room/ Technology Centre of MSME or any reputed industry.
3.	Lead Assessor's/Proctor's Qualification and experience in relevant sector (in years) (as per NCVET guidelines)	Post Graduate in the relevant discipline with minimum 5 years of experience in Production/ Training/ Design Department from Tool Room/ Technology Centre of MSME or any reputed industry.

4.	Assessment Mode (Specify the assessment mode)	Theory – Online or Offline Practical - Offline
5.	Tools and Equipment Required for Assessment	<input checked="" type="checkbox"/> Same as for training <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (details to be provided in Annexure-if it is different for Assessment)

Section 5: Evidence of the need for the Qualification

Provide Annexure/Supporting documents name.

1.	Latest Skill Gap Study (not older than 2 years)(Yes/No): Yes
2.	Latest Market Research Reports or any other source (not older than 2years) (Yes/No): Yes
3.	Government /Industry initiatives/ requirement (Yes/No): Yes
4.	Number of Industry validation provided: 30
5.	Estimated nos. of persons to be trained and employed: 40 Per Annum
6.	Evidence of Concurrence/Consultation with Line Ministry/State Departments: Yes If “No”, why:

Section 6: Annexure & Supporting Documents Check List

Specify Annexure Name / Supporting document file name

1.	Annexure: NCrf/NSQF level justification based on NCrf level/NSQF descriptors (Mandatory)	Annexure I
2.	Annexure: List of tools and equipment relevant for qualification (Mandatory, except in case of online course)	Annexure II
3.	Annexure: Detailed Assessment Criteria (Mandatory)	Annexure III
4.	Annexure: Assessment Strategy (Mandatory)	Annexure IV
5.	Annexure: Blended Learning (Mandatory, in case selected Mode of delivery is “Blended Learning”)	Annexure V
6.	Annexure: Multiple Entry-Exit Details (Mandatory, in case qualification has multiple Entry-Exit)	NA
7.	Annexure: Acronym and Glossary (Optional)	Annexure VI

8.	Supporting Document: Model Curriculum (Mandatory – Public view)	Annexure VII
9.	Supporting Document: Career Progression (Mandatory - Public view)	Please refer S.No. 15 in the section 1: Basic details (Progression path after attaining the qualification)
10.	Supporting Document: Occupational Map (Mandatory)	
11.	Supporting Document: Assessment SOP (Mandatory)	
12.	Any other document you wish to submit:	NA

Annexure: Evidence of Level

NCrF/NSQF Level Descriptors	Key requirements of the job role/ outcome of the qualification	How the job role/ outcomes relate to the NCrF/NSQF level descriptor	NCrF/ NSQF Level
Professional Theoretical Knowledge/Process	<ul style="list-style-type: none"> Understand and explain basic product knowledge in the field of study of foot anatomy and structure of foot profile. Understand and explain the concept in productivity, quality tools, and apply such in day to day work to improve productivity & quality. 	The candidate during his studies is well exposed with knowledge and skill of wide range of environmental issues pertaining to operate a business in Footwear sector. He/ She interacts with the faculties, fellow students, visiting experts, industrialists and professionals on various routine and non routine activities in a shoe industry as well as legal and social requirements from time to time and enriches his competencies thereof. This matches well with the requirements of level 5 of NSQF.	5
Professional and Technical Skills/ Expertise/ Professional Knowledge	<ul style="list-style-type: none"> To understand theoretical knowledge about various footwear manufacturing materials and constructions. To understand theoretical knowledge about SOP in manufacturing process. To understand theoretical knowledge about various machinery used in footwear manufacturing. To understand theoretical knowledge about marketing and factory planning techniques followed in footwear industry. 	<p>The candidate is well versed with the comprehensive theoretical knowledge of Footwear Designing and Manufacturing Technology while attending theory classes, reference in library, workshops/ Seminars, factory visits, visit to international and national Exhibitions/Trade Fairs, as well as interacting with different personalities in the line.</p> <p>Thus he/ she is able to acquire wide range of knowledge in the specific field of footwear and allied subject and fulfils the requirements of Level 5 to NSQF.</p>	5

<p>Employment Readiness & Entrepreneurship</p> <p>Skills & Mind-set/Professional Skill</p>	<ul style="list-style-type: none"> ● To possess practical knowledge about various footwear manufacturing materials and constructions. ● To possess practical knowledge about SOP in manufacturing process. ● To possess practical knowledge about various machinery used in footwear manufacturing. ● To possess practical knowledge about marketing and factory planning techniques followed in footwear industry. 	<p>The candidate through practical training and exposure develops the skill of designing and manufacturing variety of footwear during his studies. She/he is able to understand the work content in different stages of operations, analyze the various issues, find the alternative means and solutions for any identified problem, implement the suitable one and standardize the process accordingly. Thus he is capable to meet the requirement of level 5 of the NSQF.</p>	<p>5</p>
<p>Broad Learning Outcomes/Core Skill</p>	<ul style="list-style-type: none"> ● Recognize & comply safe working practices, environment regulation and housekeeping. ● Work in a team, understand and practice soft skills, technical English to communicate with required clarity. ● Functions and fundamentals of management. ● Knowledge in Entrepreneurship development and business plan. 	<p>The candidate after pursuing PDFT develops the ability to understand the socio- political and technical and managerial environment where a footwear industry functions and prepare himself to face the emerging challenges to run a modern footwear industry. During the course of his studies, he develops the good logical and mathematical skills understanding of social political and natural environment and organizing information, communication and presentation skill, analytical, interpreting and concluding and reporting skill which is very much required for a successful Techno-Manager in a shoe industry.</p>	<p>5</p>
<p>Responsibility</p>	<ul style="list-style-type: none"> ● Work independently and guide team members with full responsibility of output of group and development. 	<p>A Techno- Manager by virtue of his qualification, age and experience is enriched with required skill of leadership to produce quality products by a large group of people in a shoe industry. Being a Manager in middle line, he/ she are self-driven and a motivating & guiding force of for fellow colleagues to attain the organizational goal in an effective and efficient way.</p> <ul style="list-style-type: none"> ● To Plan the production activity ● To plan the manpower requirement for a given task. ● To plan the materials requirement with suitable specifications and sourcing. ● To define and organize the sequence of operations, 	<p>5</p>

		arranging manpower and machines in proper sequencing <ul style="list-style-type: none"> ● To prepare the work plan and to fix the targets for each operation centers. ● To control and the monitor the progress of work in the line of set targets/ plans. ● To identify the problems/ bottle necks in the production process and suggest remedial measures suitably. ● To report the progress/ developments/ constraints to the higher management or responsible sections promptly. ● To train and re-train the workers and juniors for efficiency improvement.
--	--	---

Annexure: Tools and Equipment (Lab Set-Up)

List of Tools and Equipment for Batch Size: 40

S. No.	Tool / Equipment Name	Specification	Quantity for Specified Batch size
1	Shoe Designer Tool Kit	Industry Standard	40 Set
2	Slot Punch Set		40 Set
3	Revolving punch		40 Nos
4	Cutting pliers		40 Nos
5	Set of Screw Drivers		40 Nos
6	Clicking Knives		1 Set
7	Divider		40 Nos
8	Cutting Mat		40 Nos
9	LAST		40 Nos
10	Knife		40 Pair
11	Carborandum Stone		40 Nos
12	Leather Cutting Knife		40 Nos
13	Marking Awl		40 Nos
14	Trimmer		40 Nos
15	Kadappa Stone		40 Nos
16	Scissor		40 Nos
17	Leather Thickness Measuring Gauge		2 Set

18	Glue container and glue brushes	40 Nos
19	Maintenance tool kit	5 Set
20	Polypropylene board	10 Nos
21	Hammer	40 Nos
	Machine's Name	
22	Shoe CAD Software	10 Licenses
23	Cutting Plotter	1 No
24	Clicking Machine 22 TON Pressure	2 Nos
25	Beam Cutting Machine	1 No
26	Upper Splitting M/c	1 No
27	Stamping Machine	1 No
28	Embossing M/c	1 No
29	Edge Burning M/c	1 No
30	Roller Fusing Machine Lining/Ironing Machine	1 No
31	Upper Skiving Machine	2 Nos
32	Flat Bed Single Needle Sewing Machine	3 Nos
33	Seam Rubbing M/c	1 No
34	Automatic Cement Edge Folding Machine	1 No
35	Eyeleting M/c	1 No
36	Toe Puff Attaching M/c	1 No
37	Zig-Zag Sewing Machine	2 Nos
38	Heavy Duty Zig Zag M/c	1 No
39	Post Bed Single Needle Sewing M/c	10 Nos
40	Cylinder Bed Single Needle Binding Sewing M/c	1 No
41	Post Bed Double Needle Sewing M/c	5 Nos
42	Strobel M/c	1 No
43	Trimming Machine	1 No
44	In sole sewing Machine	1 No
45	Moccasin Sewing Machine	1 No
46	Shank Riveting M/c	1 No
47	Heavy Duty Skiving M/c	1 No
48	Insole Moulding M/c	1 No
49	Insole Bevelling M/c	1 No
50	Counter Moulding M/c	1 No
51	Vamp Conditioning Machine	1 No
52	Toe Lasting M/c	1 No
53	Heel Mulling	1 No
54	Seat Lasting M/c	1 No
55	Seat Pressing/Heel Crowning M/c	1 No

56	Pounding M/c		1 No
57	Ironing M/c		1 No
58	Hot Air Blower M/c		1 No
59	Hot Ironing Gun		1 No
60	Heat Setting M/c		1 No
61	Roughing Machine		2 Nos
62	Drying & Heat Reactivating M/c		1 No
63	Sole Attaching Machine with cover		1 No
64	Edge Cleaning M/c		1 No
65	Chilling M/c		1 No
66	De-lasting Machine		1 No
67	Heal Nailing Machine		1 No
68	Brushing & Polishing		1 No
69	Pre-Forming Machine		1 No
70	Spray Booth		1 No
71	Lasting Jack with Table		10 Nos
72	Machine Maintenance & Electricians Tool Kit		1 Set
73	Clicking Pads, Spray Gun & Other Equip.		1 Set
74	Testing Equipments, Thickness Gauge, Measuring Scales Etc...		1 Set
75	Workshop Tables		20 Nos
76	Racks		5 Nos
	Classroom Aids		
77	Computer		20 Nos
78	Projector		1 No
79	Printer		1 No
80	Student Table/Desk		14 Nos
81	Staff Table		1 No
82	White Board/Smart TV		1 No
83	Marker		1 No
84	Duster		1 No

Annexure: Industry Validations Summary

Provide the summary information of all the industry validations in table. This is not required for OEM qualifications.

S. No	Organization Name	Representative Name	Designation	Contact Address	Contact Phone No	E-mail ID	LinkedIn Profile (if available)
-------	-------------------	---------------------	-------------	-----------------	------------------	-----------	---------------------------------

1	M/s. Aggu Soles	Shri. Anandaraman	Proprietor	Ranipet	9629355755	aggusoles@yahoo.co.in	
2	M/s. Ajantha Shoes Company	Shri. K. V. Sathish	Manager	Chennai	044 22383415, 9840606542	ajanthashoecompany@yahoo.co.in	
3	M/s. ALFA Soles India Pvt. Ltd	Shri. A. Camal Rajan	Managing Director	Chennai	914172272994	info@alfasoles.com	
4	M/s. Auroma Leather Craft	Shri. V. Gopinath	Managing Director	Villupuram	9952402964	auromaleather@gmail.com	
5	M/s. A.V.Thomas Leather	Shri. Habib Hussain	Chairman	Chennai	914432466773	avt@avtleather.com	
6	M/s. Calsea Footwear Private Limited	Shri. D. Joseph Sundararaj	Manager HR & Admin	Walajapet	9362848721	info@calsea.in	
7	M/s. Florence Shoe Co Pvt Ltd	Shri. Balan	General Manager	Vellore	0416-2291621	factory2@florence.co.in	
8	M/s. Futurewell Shoes Pvt. Ltd	Shri. A. Harikrishnan	General Manager	Gudiyattam	04171-225966	magesh@futurewellshoes.in	
9	M/s. Gadsyl Exports Private Limited	Shri. R T Dinesh	Manager	Chennai	044 22484191	gadsyl@gmail.com	
10	M/s. Giri Leather Shoes	Shri. Shanker Ganesh J	Proprietor	Kaveripakkam	04177-254355	girishoe@gmail.com	
11	M/s. Good Leather Shoes Private Ltd.	Shri. Shiva kumar	HR Manager	Namachivayapuram	27658574 / 9626448126	corporate_hr@goodleathergroup.com	
12	M/s. International Tanners (Madras)	Shri. E.R.Sargunar	Proprietor	Chrompet	044 2240 2839		
13	M/s. ISIS Export P. Limited	Shri. P.V Pratap	Director	Chennai	044-24540530	admin@isisexport.in	
14	M/s. KAS Industries India Pvt Ltd	Shri. Ehhisham		Vellore	0424-2222126/ 9629336444	shoes@kasindustries.com	
15	M/s. K H Exports India Private Limited	Shri. S. Chandrasekar	Vice President	Vellore	91 44 42206700	khshoes@khindia.com	
16	M/s. Kora Shoes (P) Ltd	Shri. Mahesh	Vice President	Vellore	044 24781190	mahesh@korashoes.com	
17	M/s.LLOYD Shoes India Pvt Ltd	Shri. Magesh Kumar	Managing Director	Gudiyattam	04171-221650/ 227650	mageshkumar@lloyd.com	
18	M/s. Mohib Shoes Pvt. Ltd	Shri. Munawar	Manager	Ambur	044 2561 0296	msplhrb@mohibshoes.com	
19	M/s. Orchid Shoes	Shri. P Ummer	Managing Partner	Chennai	044-23802424	info@orchidshoes.co.in	
20	M/s. P AND R INDUSTRIES	Shri. Dhanasekar	General Manager	Vellore	04172-244800	accounts@pandr.co.in	
21	M/s. Prime Shoes	Shri. A Kumaresa Pandian	Manager	Chennai	91-44-26470390	prime_shoes@yahoo.co.in	
22	M/s. Saalim Shoes Pvt Ltd	Shri. Ayub Ahmed	CEO	Chennai	91-44-25611587	saalim@saalimshoes.com	
23	M/s. Shaniyo Exports	Smt. R Kannaki	Manager	Chennai	044-26640206	shaniyoinfo@vsnl.net	
24	M/s. Ganapathy Enterprise	Smt. N Vasugi		Chennai	044-22384294	sge@hifasn.com	

25	M/s. Sri Shakthi Leather Industries	Shri. MANSOORDHAR	Director	Chennai	044 4316 2821	srishakti@srishakti.in	
26	M/s. Sumayo Shoe Fabric	Shri. Sumi Chakrabarty	General Manager	Thiruvallur	0416-2236909	sumaya2@lmsgani.com	
27	M/s. TATA International Limited	Shri. Aslambasha A	Manager HR & Admin	Chennai	91-044-42912525	tilchn.unit1@tatainternational.com	
28	M/s. The General & Industrial Leathers (P) Ltd	Smt. Susan Thomas	Director	Chennai	044 2238 8626	thomas1947@gmail.com	
29	M/s. Track Shoes Pvt Ltd,	Shri. Ganapathy		Chennai	044 2478 3166	trackshoes2@gmail.com	
30	M/s. Universal Shoes	Shri. Matheen Khan	Managing Director	Chennai	044 32573457	universalshoe2011@gmail.com	
31	M/s. Vidhan Shoes Private Limited	Shri. D. Shankar	HR	Melvisharam	04172 269555	info@vidhanshoes.com	

Annexure: Training & Employment Details

Training and Employment Projections:

Year	Total Candidates		Women		People with Disability	
	Estimated Training #	Estimated Employment Opportunities	Estimated Training #	Estimated Employment Opportunities	Estimated Training #	Estimated Employment Opportunities
2023-24	40	40	4	4	-	-
2025-26	40	40	4	4	-	-
2026-27	40	40	4	4	-	-

Data to be provided year-wise for next 3 years

Training, Assessment, Certification, and Placement Data for previous versions of qualifications:

Qualification Version	Year	Total Candidates				Women				People with Disability			
		Trained	Assessed	Certified	Placed	Trained	Assessed	Certified	Placed	Trained	Assessed	Certified	Placed
1.0	2019-20	4	4	4	-	-	-	-	-	-	-	-	-
1.0	2020-21	1	1	1	1	-	-	-	-	-	-	-	-
1.0	2021-22	11	7	7	2	-	-	-	-	-	-	-	-

Applicable for revised qualifications only, data to be provided year-wise for past 3 years.

List Schemes in which the previous version of Qualification was implemented:

1. Nil

Content availability for previous versions of qualifications:

Participant Handbook Facilitator Guide Digital Content Qualification Handbook Any Other:

Languages in which Content is available: English

Annexure: Detailed Assessment Criteria

Detailed assessment criteria for each NOS/Module are as follows:

SEMESTER I

NOS/Module Name	Assessment Criteria for Performance Criteria/Learning Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
SEMESTER I					
Foot Physiology and Footwear Science	Foot Physiology and Footwear Science Theory				
	PC 1: Understanding of physique and composition of foot	10	-	-	-
	PC 2: Different types of foot joints system and their coordinated functioning while movement.	10	-	-	-
	PC 3: Explain the dynamics of Foot movements at various joining of foot	8	-	-	-
	PC 4: Functioning of different curvature of Foot and its functioning, different foot troubles and related health problems. Gait analysis for gait correction.	10	-	-	-
	PC 5: Describe ossification and its stages. Foot troubles and precautions to be taken to get protection from foot troubles.	8	-	-	-
	PC 6: Understand the need of different footwear measurement systems and Comparison between sizing systems in terms of SLL and allowances	8	-	-	-
	PC 7: Selection of mould for footwear manufacturing depending upon the need.	10	-	-	-
	PC 8: How to measure the various parameters of footwear for the improvement in foot fitting.	10	-	-	-
	PC 9: Explain foot comfort relation to the design of uppers, height and shape. Physical properties required for shoe components	10	-	-	-
	PC 10: Generate the template for footwear production.	8	-	-	-
	PC 11: Understanding the selection of correct fitting footwear and Comfort adjustments with respect to materials, closures, cushions, constructions etc.	8	-	-	-
	Footwear Science Practical				
PC 12: Masking on the mould of footwear for designing and geometrically flattening the three dimensional designing and development of standard working template for various components of footwear	-	20	-	-	
PC 13: Creation of standard template for various styles of footwear	-	7	-	-	

	PC 14: Improvisation of style using various ornaments and decorative parts	-	6	-	-
	PC 15: Development of lower part patterns	-	7	-	-
	PC 16: Springing of template for material economy without effecting style or line.	-	6	-	-
	PC 17: Development of prototypes for assessment of generated template	-	7	-	-
	PC 18: Specification procedures for use in production, detailing of style, edge treatments, materials and components used. Information and sequence of operations through the whole process	-	7	-	-
	PC 19: Creation of template for footwear styles using shoe design software	-	40	-	-
	Total Marks	100	100	NA	NA
	Footwear Materials Theory				
Footwear Materials	PC 1: Provide an overview of the leather manufacturing process, imperfections in leather, and various categories of upper leather along with their chemical and physical characteristics.	10	-	-	-
	PC 2: Describe different types of bottoming components and its manufacturing technique, properties and assessment of quality of those materials through standard testing protocols.	20	-	-	-
	PC 3: Explain the different types of cements and its application method of adhesive of outsole material, selection of cement for different types of outsole materials and test methods to determine the Adhesion strength	15	-	-	-
	PC 4: Describe different types of non- materials used as various footwear components and its property requirement	10	-	-	-
	PC 5: Understand the various components used in the footwear	10	-	-	-
	PC 6 : Explain different grinders used in footwear making	15	-	-	-
	PC 7: Examine the footwear materials and components by physical and chemical testing.	10	-	-	-
	PC 8: Understand the shoe finishing techniques and to know the types of finish and chemical used for shoe finishing.	10	-	-	-
	Total Marks	100	NA	NA	NA
	Material Cutting Techniques Theory				
Material Cutting Techniques	PC 1: Comprehend the need of footwear & its types	20	-	-	-
	PC 2: Understand the materials to be cut for the manufacturing of footwear form upper to bottom parts.	20	-	-	-
	PC 3: Identify and assess the quality of provided leather based on the defects and usable area	10	-	-	-
	PC 4: Interpret the usage of various machines used in material cutting. Utility of cutting tools in right manner.	20	-	-	-
	PC 5: Cutting techniques of various materials according to the required specification. Explain on how to do preparation before cutting. Follow up the nesting of template on the material for effective cutting.	20	-	-	-
	PC 6: Recognize procedure for the calculation of norms for upper materials	10	-	-	-
	Material Cutting Techniques Practical				
	PC 7: Understand the safety precautions to be followed while cutting material using the machine	-	10	-	-
	PC 8: Selection of materials depending upon its qualities	-	10	-	-
	PC 9: Nesting of various styles of shoes components on hides/skins	-	15	-	-
	PC 10: Nesting of various styles of shoes components on synthetic materials	-	10	-	-
	PC 11: Practice on marking of template on materials for Hand cutting	-	15	-	-
	PC 12: Working out costing and determining whether profit or loss	-	15	-	-
	PC 13: Cutting of various components of footwear using machine	-	15	-	-
PC 14: Quality checking of cut components	-	10	-	-	
Total Marks	100	100	NA	NA	

Upper Construction Techniques	Upper Construction Techniques Theory				
	PC 1: Interpret the need of preparatory operation before constructing upper	10	-	-	-
	PC 2: Comprehend the mechanism of stitching operations in upper construction	10	-	-	-
	PC 3: Describe about various types of stitches and its thread used in the upper making.	10	-	-	-
	PC 4: Expertise in understating the need and mechanism of sewing and other machines related to upper making process. Knowledge on selection of right needle for different materials in upper construction.	10	-	-	-
	PC 5: Knowledge on selection of right thread for different materials in upper construction.	10	-	-	-
	PC 6: Knowledge on selection of suitable adhesive for different materials in upper construction.	20	-	-	-
	PC 7: Fixing of suitable fasteners on upper.	10	-	-	-
	PC 8: Forecasting the work flow of various styles of upper construction. Quality checking of upper making	20	-	-	-
	Upper Construction Techniques Practical				
	PC 9: Practicing various sewing exercise on various materials	-	20	-	-
	PC 10: Perform preparatory operations for the upper, both manually and with a machine.	-	20	-	-
	PC 11: Adjustment of machine for functional efficiency	-	30	-	-
	PC 12: Develop a range of upper styles based on the learned techniques.	-	30	-	-
Total Marks	100	100	NA	NA	
SEMESTER II					
Footwear Assembling Techniques	Footwear Assembling Techniques Theory				
	PC 1: : Knowledge of the application of various machinery used in the footwear assembling process for leather and non-leather materials.	10	-	-	-
	PC 2: Describe about the selection of insole for different assembling techniques of footwear	10	-	-	-
	PC 3: Grasping the quality assessment of different soling materials based on testing standards	20	-	-	-
	PC 4: Knowledge on application of suitable adhesive for different materials in upper assembling process.	10	-	-	-
	PC 5: Understanding the various footwear assembling techniques. Composition, characteristics and uses of insole and soling materials for different constructions.	20	-	-	-
	PC 6: Describe the work flow of full shoe making and quality checking points in footwear assembling Process	10	-	-	-
	PC 7: Knowledge on footwear finish technique	10	-	-	-
	PC 8: Learn about machine maintenance, specifications for different articles to attain required quality	10	-	-	-
	Footwear Assembling Techniques Practical				
	PC 1: Conditioning of upper for assembling process	-	10	-	-
	PC 2: Demonstrate assembling process manually	-	20	-	-
	PC 3: Perform post assembling operation	-	20	-	-
	PC 4: Perform footwear finishing operation	-	20	-	-
	PC 5: Learn to inspect the footwear	-	20	-	-
PC 6: Carry out packaging and presentation techniques	-	10	-	-	
Total Marks	100	100	NA	NA	
Emerging Technology	Emerging Technology				
	PC 1: Knowledge on emerging technologies in footwear manufacturing	10	-	-	-

	PC 2: Knowledge about development of footwear designs using upgraded technologies	30	-	-	-
	PC 3: Interpret the new revolutionary process	30	-	-	-
	PC 4: Learn about new technologies	30	-	-	-
	Total Marks	100	NA	NA	NA
Applied Management	Applied Management Theory				
	PC 1: Understand the importance, functions, levels and theory of management and concepts, departmentation, forms of organization structure	20	-	-	-
	PC 2: Perform how to recruit, select and train the people in an organization and how to do performance appraisal.	20	-	-	-
	PC 3: Able to follow up the material management and know that how to do material planning and control.	20	-	-	-
	PC 4: Understanding of the efficient utilization of manpower, machinery and money in creating a sustainable production unit.	20	-	-	-
	PC 5: Perform costing and financial analysis.	20	-	-	-
	Total Marks	100	NA	NA	NA
QMS/QT Tools	QMS/QT Tools Theory				
	PC 1: Understanding the meaning of quality and benefits of quality	10	-	-	-
	PC 2: Implement the lean concept to eliminate the wastages in the factory.	20	-	-	-
	PC 3: Understand the quality improvement approaches	10	-	-	-
	PC 4: Apply the quality control tools in upper & full shoe making to improve the quality of products.	10	-	-	-
	PC 5: Monitor the process control involved in all the technological process in upper & full shoe making.	10	-	-	-
	PC 6: Implement the ISO 9000 to satisfy the customer needs	10	-	-	-
	PC 7: Application of 5S, Kaizen & Quality circle activities in footwear industry	10	-	-	-
	PC 8: Create the awareness of the EMS to the all personnel involved in the production	10	-	-	-
	PC 9: Follow up the safety measures involved in footwear sector.	10	-	-	-
Total Marks	100	NA	NA	NA	
Employability Skills	Employability Skills & Entrepreneurship Theory				
	PC 1: Explain the major applications of MS Office	4	-	-	-
	PC 2: Explain the different types of e-commerce	4	-	-	-
	PC 3: List the benefits of e-commerce for retailers and customers	4	-	-	-
	PC 4: Discuss how the Digital India campaign will help boost e-commerce in India	4	-	-	-
	PC 5: Write applications pertaining to various matters.	4	-	-	-
	PC 6: Explain power of positive attitude and Importance of commitment	4	-	-	-
	PC 7: Explain motivation and the Ways to motivate oneself and Personal goal setting	4	-	-	-
	PC 8: Explain the Effective & Level of Communication	4	-	-	-
	PC 9: Explain communication and Significance of technical communication?	4	-	-	-
	PC 10: Explain the methods of listening Skills.	4	-	-	-
	PC 11: Explain the differences between bio-data, CV and Resume.	4	-	-	-
	PC 12: Explain verbal and non-verbal Communication	4	-	-	-
	PC 13: Explain how to face an interview.	4	-	-	-
	PC 14: Explain team work, group work, team formation process	4	-	-	-

	PC 15: How to Minimize the team conflicts	4	-	-	-
	PC 16: Explain Ethics & values	4	-	-	-
	PC 17: Explain the concept of entrepreneurship, and entrepreneurship v/s Management	4	-	-	-
	PC 18: Explain the process of project report preparation for setting up a new business	4	-	-	-
	PC 19: Explain the role of various schemes and institute for self- employment i.e MSME, DIC, NSIC, SIDBI etc,	4	-	-	-
	PC 20: Role of financial institution to support startup	4	-	-	-
	PC 21: Discuss the importance of saving money	4	-	-	-
	PC 22: Discuss the main types of bank accounts	4	-	-	-
	PC 23: Differentiate between fixed and variable costs	4	-	-	-
	PC 24: Describe the different types of insurance products	4	-	-	-
	PC 25: Discuss the main types of electronic funds transfers	4	-	-	-
	Total Marks	100	NA	NA	NA
in plant Training	Inplant Training				
	PC 1: Understanding the quality control applied in the footwear industry	-	25	-	-
	PC 2: Perform the production control activities in the production floor	-	25	-	-
	PC 3: Perform materials control	-	25	-	-
	PC 4: Carry out the product range	-	25	-	-
	Total Marks	NA	100	NA	NA
	Grand Total	900	500	NA	NA

Annexure: Assessment Strategy

This section includes the processes involved in identifying, gathering, and interpreting information to evaluate the Candidate on the required competencies of the program.

Mention the detailed assessment strategy in the provided template.

<1. Assessment System Overview:

- Batches assigned to the Central MSME NSQF Examination Cell via email for the assessment.
- Central MSME NSQF Examination Cell sends the assessment confirmation to respective TC/AB.
- Central MSME NSQF Examination Cell deploys the certified Assessor for executing the assessment at respective TC/AB via online/offline mode.
- Central MSME NSQF Examination Cell & respective TC/AB Internal Examination Cell monitors the assessment process & records.

2. Testing Environment:

- Central MSME NSQF Examination Cell confirms the Assessment location, date and time.
- For number of candidates more than 30 separate assessors are assigned for the assessment.
- Central MSME NSQF Examination Cell & respective assessor confirms that the allotted time to the candidates to complete Theory & Practical Assesemtn is correct.

3. Assessment Quality Assurance levels/Framework:

- Each TC submits the Question bank for the individual subject Theory & Practice separately, submits to Central MSME NSQF Examination Cell and it is verified by the Central MSME NSQF Examination Cell committee members.
- Questions are mapped to the specified assessment criteria.
- All the assessors & Trainers are well qualified & Trained to carry out the specified task.

4. Types of evidence or evidence-gathering protocol:

- Online Link is send by Central MSME NSQF Examination Cell to respective TC & Assessor. Reporting of the assessor from assessment location is verified by the Central MSME NSQF Examination Cell through the online Meeting Link. Students are also required to join for the online link for verification by the Central MSME NSQF Examination Cell.
- Assessment Photographs are shared with the Central MSME NSQF Examination Cell & are also with the respective TC.

5. Method of verification or validation:

- Online Link is send by Central MSME NSQF Examination Cell to respective TC & Assessor. Reporting of the assessor from assessment location is verified by the Central MSME NSQF Examination Cell through the online Meeting Link. Students are also required to join for the online link for verification by the Central MSME NSQF Examination Cell.

6. Method for assessment documentation, archiving, and access

- The Assessment records are shared with Central MSME NSQF Examination Cell & also stored at respective TC.
- Assessor fills the assessment report and shares with the Central MSME NSQF Examination Cell.

On the Job:

1. Each module (which covers the job profile of Automotive Service Assistant Technician) will be assessed separately.
2. The candidate must score 60% in each module to successfully complete the OJT.
3. Tools of Assessment that will be used for assessing whether the candidate is having desired skills and etiquette of dealing with customers, understanding needs & requirements, assessing the customer and perform Soft Skills effectively:
 - Videos of Trainees during OJT
4. Assessment of each Module will ensure that the candidate is able to:
 - Effective engagement with the customers
 - Understand the working of various tools and equipment.

Annexure: Blended Learning

Blended Learning Estimated Ratio & Recommended Tools:

Refer NCVET “Guidelines for Blended Learning for Vocational Education, Training & Skilling” available

on:<https://ncvet.gov.in/sites/default/files/Guidelines%20for%20Blended%20Learning%20for%20Vocational%20Education,%20Training%20&%20Skilling.pdf>

S. No.	Select the Components of the Qualification	List Recommended Tools – for all Selected Components	Offline : Online Ratio
1	<input type="checkbox"/> Theory/ Lectures - Imparting theoretical and conceptual knowledge		40: 60
2	<input type="checkbox"/> Imparting Soft Skills, Life Skills, and Employability Skills /Mentorship to Learners		100: 0
3	<input type="checkbox"/> Showing Practical Demonstrations to the learners		100: 0
4	<input type="checkbox"/> Imparting Practical Hands-on Skills/ Lab Work/ workshop/ shop floor training		100: 0
5	<input type="checkbox"/> Tutorials/ Assignments/ Drill/ Practice		100: 0
6	<input type="checkbox"/> Proctored Monitoring/ Assessment/ Evaluation/ Examinations		100: 0
7	<input type="checkbox"/> On the Job Training (OJT)/ Project Work Internship/ Apprenticeship Training	NA	100: 0

Annexure: Acronym and Glossary

Acronym

Acronym	Description
AA	Assessment Agency
AB	Awarding Body
ISCO	International Standard Classification of Occupations
NCO	National Classification of Occupations
NCrF	National Credit Framework
NOS	National Occupational Standard(s)
NQR	National Qualification Register
NSQF	National Skills Qualifications Framework

OJT	On the Job Training
-----	---------------------

Glossary

Term	Description
National Occupational Standards (NOS)	NOS define the measurable performance outcomes required from an individual engaged in a particular task. They list down what an individual performing that task should know and also do.
Qualification	A formal outcome of an assessment and validation process which is obtained when a competent body determines that an individual has achieved learning outcomes to given standards
Qualification File	A Qualification File is a template designed to capture necessary information of a Qualification from the perspective of NSQF compliance. The Qualification File will be normally submitted by the awarding body for the qualification.
Sector	A grouping of professional activities on the basis of their main economic function, product, service or technology.
Long Term Training	Long-term skilling means any vocational training program undertaken for a year and above. https://ncvet.gov.in/sites/default/files/NCVET.pdf

NSQC APPROVED