



QUALIFICATION FILE

< Automotive Body Painting Technician >

Short Term Training (STT) Long Term Training (LTT) Apprenticeship

Upskilling Dual/Flexi Qualification For ToT For ToA

General Multi-skill (MS) Cross Sectoral (CS) Future Skills OEM

NCrF/NSQF Level: 3

Submitted By:

< Automotive Skills Development Council >

< E-113, Okhla Industrial Estate, Phase - III, New Delhi - 110020 >

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Section 1: Basic Details

1.	Qualification Name	Automotive Body Painting Technician																		
2.	Sector/s	Automotive																		
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> NCO-2015/7132.0203	Qualification Name of existing/previous version:																	
4.	a. OEM Name b. Qualification Name <i>(Wherever applicable)</i>	Automotive Skills Development Council Automotive Body Painting Technician																		
5.	National Qualification Register (NQR) Code &Version <i>(Will be issued after NSQC approval)</i>		6. NCrF/NSQF Level: 3																	
7.	Award (Certificate/Diploma/Advance Diploma/ Any Other) <i>(Wherever applicable specify multiple entry/exits also & provide details in annexure)</i>	Certificate																		
8.	Brief Description of the Qualification	<p>An Automotive Body Painting Technician is responsible for preparing surfaces and applying paint products to vehicles in an auto body repair shop. They clean and sand surfaces, apply primer, and match colors to the manufacturer's specifications.</p> <p>They may also use various techniques to blend and touch up paint to achieve a seamless finish. Body painting technicians must have knowledge of automotive paints, application methods, and equipment, as well as an eye for detail and an understanding of color theory. They also must be able to work with a variety of materials, including metal, fiberglass, and plastic.</p>																		
9.	Eligibility Criteria for Entry for Student/Trainee/Learner/Employee	<p>a. Entry Qualification & Relevant Experience:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">S. No.</th> <th style="width: 40%;">Academic/Skill Qualification (with Specialization - if applicable)</th> <th style="width: 40%;">Required Experience (with Specialization - if applicable)</th> <th style="width: 15%;"></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>10th Class + 2 years ITI</td> <td></td> <td rowspan="4" style="vertical-align: middle; text-align: center;">Age: <18</td> </tr> <tr> <td style="text-align: center;">2</td> <td>10th Class pass</td> <td>2 years of relevant experience</td> </tr> <tr> <td style="text-align: center;">3</td> <td>11th Class Pass</td> <td></td> </tr> <tr> <td style="text-align: center;">4</td> <td>Certificate-NSQF (Automotive Painting Operator Level 2.5)</td> <td>2 years of relevant experience</td> </tr> </tbody> </table> <p style="margin-left: 20px;">Years></p>		S. No.	Academic/Skill Qualification (with Specialization - if applicable)	Required Experience (with Specialization - if applicable)		1	10th Class + 2 years ITI		Age: <18	2	10th Class pass	2 years of relevant experience	3	11th Class Pass		4	Certificate-NSQF (Automotive Painting Operator Level 2.5)	2 years of relevant experience
S. No.	Academic/Skill Qualification (with Specialization - if applicable)	Required Experience (with Specialization - if applicable)																		
1	10th Class + 2 years ITI		Age: <18																	
2	10th Class pass	2 years of relevant experience																		
3	11th Class Pass																			
4	Certificate-NSQF (Automotive Painting Operator Level 2.5)	2 years of relevant experience																		

10.	Credits Assigned to this Qualification, Subject to Assessment (as per National Credit Framework (NCrF))	15	11. Common Cost Norm Category (I/II/III) (wherever applicable):																				
12.	Any Licensing requirements for Undertaking Training on This Qualification (wherever applicable)																						
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 type="checkbox"/> Blended <table border="1" data-bbox="952 360 2051 531"> <thead> <tr> <th>Training Delivery Modes</th> <th>Theory (Hours)</th> <th>Practical (Hours)</th> <th>OJT Mandatory (Hours)</th> <th>Viva (Hours)</th> <th>Total (Hours)</th> </tr> </thead> <tbody> <tr> <td>Classroom (offline)</td> <td>149</td> <td>271</td> <td>30</td> <td>-</td> <td>450</td> </tr> <tr> <td>Online</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>(Refer Blended Learning Annexure for details)</p>				Training Delivery Modes	Theory (Hours)	Practical (Hours)	OJT Mandatory (Hours)	Viva (Hours)	Total (Hours)	Classroom (offline)	149	271	30	-	450	Online					
Training Delivery Modes	Theory (Hours)	Practical (Hours)	OJT Mandatory (Hours)	Viva (Hours)	Total (Hours)																		
Classroom (offline)	149	271	30	-	450																		
Online																							
14.	Aligned to NCO/ISCO Code/s (if no code is available mention the same)																						
15.	Progression path after attaining the qualification (Please show Professional and Academic progression)	<ul style="list-style-type: none"> Automotive Paint Repair Technician Automotive Body Repair Welder 																					
16.	Other Indian languages in which the Qualification & Model Curriculum are being submitted																						
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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes", specify applicable type of Disability:																					
19.	How Participation of Women will be Encouraged	Yes																					
20.	Are Greening/ Environment Sustainability Aspects Covered (Specify the NOS/Module which covers it)	<input type="checkbox"/> Yes <input type="checkbox"/> No																					
21.	Is Qualification Suitable to be Offered in Schools/Colleges	Schools <input 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 (In case of CS or MS, provide details of both Lead AB & Supporting ABs)	Name: Mr.Arindam Lahiri Email: Ceo@asdc.org.in Website: www.asdc.org.in Contact No.: 011-42599800																					
23.	Final Approval Date by NSQC:	24. Validity Duration: 5 Years	25. Next Review Date 29/07/2026																				

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 *Vi*-Viva

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.	Bridge Module & Organize work and resources (Manufacturing)	ASC/N9803 NOS Version No. – 1.0	Non- Core	3	2	30	30	-	-	60	50	30	-	20	100	10
2.	Perform pre- treatment and surface preparation process	ASC/N3309 NOS Version No. – 2.0	Core	4	4	45	105	-	-	150	30	50	-	20	100	45
3.	Perform sealing, painting and post-painting operations	ASC/N3310 NOS Version No. – 2.0	Core	3	6	50	100	30		180	30	50	-	20	100	35
4.	Employability Skills	DGT/	Non-	3	2	24	36	-	-	60	20	30	-	-	50	10

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)
		VSQ/ N0102	Core													
Duration (in Hours) / Total Marks						15	149	271	30	450	130	160	-	60	350	100

Elective NOS/s:

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:

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: 70 % (Every Trainee should score specified minimum aggregate passing percentage at qualification level to successfully clear the assessment.)

Minimum Pass Percentage – NOS/Module-wise: 70 % (Every Trainee should score specified minimum passing percentage in each mandatory and selected elective NOS/Module to successfully clear the assessment.)

Section 3: Training Related

1.	Trainer's Qualification and experience in the relevant sector (in years) (as per NCVET guidelines)	Trainer Prerequisites						
		Minimum Educational Qualification	Specialization	Relevant Industry Experience		Training Experience		Remarks
				Years	Specialization	Years	Specialization	
		ITI	Mechanics/Fitter	5	Turner/Fitter/Electrician	1	Turner/Fitter/Electrician	NA
		ITI	Mechanics/Fitter	6	Turner/Fitter/Electrician	0	Turner/Fitter/Electrician	NA
		Diploma	Mechanical/Automobile	3	Mechanical/Automobile	1	Mechanical/Automobile	NA
Diploma	Mechanical/Automobile	4	Mechanical/Automobile	0	Mechanical/Automobile	NA		
2.	Master Trainer's Qualification and experience in the relevant sector (in years) (as per NCVET guidelines)	As above						
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							

Section 4: Assessment Related

1.	Assessor's Qualification and experience in relevant sector (in years) (as per NCVET guidelines)	Assessor Prerequisites						
		Minimum Educational Qualification	Specialization	Relevant Industry Experience		Training/Assessment Experience		Remarks
				Years	Specialization	Years	Specialization	

		ITI	Turner/ Fitter/Electrician	6	Turner/ Fitter/Electrician	1	Turner/ Fitter/Electrician	NA
		ITI	Turner/Fitter/ Electrician	7	Turner/Fitter/ Electrician	0	Turner/Fitter/ Electrician	NA
		Diploma	Mechanical/Electrical/ Automobile	4	Mechanical/Electrical/ Automobile	1	Mechanical/Electrical/ Automobile	NA
		Diploma	Mechanical/Electrical/ Automobile	5	Mechanical/Electrical/ Automobile	0	Mechanical/Electrical/ Automobile	NA
2.	Proctor's Qualification and experience in relevant sector (in years) <i>(as per NCVET guidelines)</i>	As above						
3.	Lead Assessor's/Proctor's Qualification and experience in relevant sector (in years) <i>(as per NCVET guidelines)</i>							
4.	Assessment Mode <i>(Specify the assessment mode)</i>	Formative, Summative & Skill Assessment						
5.	Tools and Equipment Required for Assessment	<input checked="" type="checkbox"/> Same as for training <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(details to be provided in Annexure-if it is different for Assessment)</i>						

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):
2.	Latest Market Research Reports or any other source (not older than 2 years) (Yes/No):
3.	Government /Industry initiatives/ requirement (Yes/No): Yes
4.	Number of Industry validation provided:
5.	Estimated nos. of persons to be trained and employed:
6.	Evidence of Concurrence/Consultation with Line Ministry/State Departments: Yes

	If "No", why:
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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 <i>(Mandatory)</i>	
2.	Annexure: List of tools and equipment relevant for qualification <i>(Mandatory, except in case of online course)</i>	<i>Specified in the Model Curriculum</i>
3.	Annexure: Detailed Assessment Criteria <i>(Mandatory)</i>	<i>Specified in the Model Curriculum</i>
4.	Annexure: Assessment Strategy <i>(Mandatory)</i>	<i>Specified in the Model Curriculum</i>
5.	Annexure: Blended Learning <i>(Mandatory, in case selected Mode of delivery is "Blended Learning")</i>	
6.	Annexure: Multiple Entry-Exit Details <i>(Mandatory, in case qualification has multiple Entry-Exit)</i>	
7.	Annexure: Acronym and Glossary <i>(Optional)</i>	
8.	Supporting Document: Model Curriculum <i>(Mandatory – Public view)</i>	<i>Specified in the Model Curriculum</i>
9.	Supporting Document: Career Progression <i>(Mandatory - Public view)</i>	<i>Specified in the Model Curriculum</i>
10.	Supporting Document: Occupational Map <i>(Mandatory)</i>	<i>Specified in the Model Curriculum</i>
11.	Supporting Document: Assessment SOP <i>(Mandatory)</i>	<i>Specified in the Model Curriculum</i>
12.	Any other document you wish to submit:	

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	Demands a wide range of specialised technical skill, clarity of knowledge and practice in broad range of activity involving standard and non-standard practices. • Assist in application of putty	Person will be required to prepare the specific surface of the vehicle by sanding the surface for putty application and primer application. Hence Level 3	3

	<p>and primer on vehicle / panels</p> <ul style="list-style-type: none"> • Organize work and resources according to safety and conservation standards • Interact effectively with colleagues in the team, superiors and customers 		
Professional Knowledge	<p>Factual and theoretical knowledge in broad contexts within a field of work or study.</p> <ul style="list-style-type: none"> • Knowledge of various materials, standard operating procedures, processes • Know the proper usage of tools and equipment 	<p>Person will require proficiency in all processes and principles pertaining to preparatirion of smooth and defect free surface of the vehicles or parts for top coat application of putty and primer, use of tools and equipment, standard operating procedures w.r.t. putty and primer mixing, application, sanding and polishing technique, safety, health and environmental policies Hence Level 3</p>	3
Professional Skills	<p>A range of cognitive and practical skills required to generate solutions to specific problems in a field of work or study.</p> <ul style="list-style-type: none"> • Communicate with team and supervisor to understand the work requirement • Identify the work requirement • Follow the steps and instructions defined by dealership 	<p>An individual is required to have the knowledge of range of application, analysis and demonstration skills required to be competitive in this job role, such as identifying the work requirement to schedule timely completion of work, applying the knowledge about the various systems / components / aggregates, demonstrating the process of performing surface preparation for putty and primer application on the vehicles or parts and following the steps and instructions defined by organisation/dealership for painting of vehicles or part. Hence Level 3</p>	3
Core Skill	<p>Usage of tools and equipment</p> <ul style="list-style-type: none"> • Clear and crisp 	<p>Usage of tools and equipment</p> <ul style="list-style-type: none"> • Clear and crisp communication • Follow 	3

	communication • Follow rules and professional codes	rules and professional codes	
Responsibility	Responsibility of completing the work assigned and reporting the same as per standards. • Understand the job role and follow the organisational policy • Record and report about the work status • Follow safety regulations at work place • Work along with colleagues and supervisors	The individual is responsible for maintaining cleanliness of the workshop, reporting the malfunctioning in tools and equipment, surface preparation for putty and primer application. Hence Level 3	3

Annexure: Tools and Equipment (Lab Set-Up)

List of Tools and Equipment

Batch Size: 20-25 Nos

S. No.	Tool / Equipment Name	Specification	Quantity for specified Batch size
1	Chairs/Tables	Standard	25
2	Computer with internet	Standard	15
3	LCD projector with screen	Standard	1
4	Trainer chair and Table	Standard	1
5	Demonstration table pin up boards	Standard	1
6	White board with marker	Standard	1
7	Pre-treatment line consisting of degreasing phosphating & passivation facility	Standard	4

8	All type of chemicals for pretreatment	20 Kg Each	15
9	R.O & D.M Water	5000L	4200
10	Painting booth (4'x6'x10') approx with water screen facility	Standard	1
11	Paint Transfer Pump	Standard	1
12	Spray Gun	Standard	2
13	Hose For Spray Gun	20 M	15
14	Pressure Gauges	Standard	10
15	Paint Mixing Room	Standard	1
16	Paints, Primers & Thinners	20L Each	15
17	Viscometer	Standard	1
18	Stop Watch	Standard	1
19	Stirrer	Standard	1
20	Paint Container	Standard	4
21	Sand Paper Of Different Grades	Standard	15
22	Masking Tapes	Standard	4
23	Tool Kit	Standard	1
24	Air Blow Gun	Standard	1
25	Vacuum Machine	Standard	1
26	Infrared Drier	Standard	1
27	Paint Gun Cleaning System	Standard	1

28	Paint Gun Stand	Standard	2
29	Sealant Gun	Standard	1
30	Paint Mixing Scale	Standard	6
31	Digital Weighing Machine	Standard	1
32	Tag Rag	Standard	10
33	Hangers For Holding Components	Standard	15
34	Painting Table	Standard	1
35	Paint Simulator	Standard	1
36	Defective Parts With (Dust, Dry Flow)	10 Each	10
37	Samples Of Different Type of points i.e. Synthetic, Nc Parts & Pu Base Points	Standard	1
38	Process Flow Charts Showing Pretreatment Details & Parameters	1L	1
39	Process Flow Charts Showing Painting Process & Parameters	Standard	1
40	Baking Oven	Standard	1
41	Inspection Booth With Sufficient Light (700 Lux)	Standard	1
42	Paint Thickness Tester	Standard	1
43	Pencil For Scratch Resistance Test	Standard	2
44	Adhesion Tester With Tape (Cutter, Knife)	Standard	1
45	Salt Spray Tester with chamber	Standard	1

46	Lab Equipment Beakers/Pipette	Standard	10
47	Conductivity Meter	Standard	1
48	Fire Extinguisher	Standard	2
49	First Aid Kit	Standard	1
50	Safety Gloves (Leather)	Standard	25
51	Ear Plugs	Standard	25
52	Safety Shoes	Standard	25
53	Goggles	Standard	25
54	Booth Mask	Standard	25
55	Nose Mask	Standard	25
56	Cap For Head	Standard	25

Classroom Aids

The aids required to conduct sessions in the classroom are:

1. Laptop
2. Whiteboard and marker
3. Projector

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)
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1	DENSO India	Hemant Jain	GM	Tilpatta			
2	Hella India Lighting Ltd	Mahender Singh	GM	Ambala			
3	Honda Cars India Ltd	Ashok Kumar Virmani	AGM	Greater Noida			
4	Sandhar Technologies Ltd	Chandan Sengupta	Chief Officer	HR Gurgaon			

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

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

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.
- 2.

Content availability for previous versions of qualifications:

Participant Handbook Facilitator Guide Digital Content Qualification Handbook Any Other:

Languages in which Content is available:

*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 checked="" type="checkbox"/> Theory/ Lectures - Imparting theoretical and conceptual knowledge	<ul style="list-style-type: none"> • Books/ e-books • Presentations • Reference Material • Audio / Video Modules 	100:0
2	<input checked="" type="checkbox"/> Imparting Soft Skills, Life Skills, and Employability Skills /Mentorship to Learners	<ul style="list-style-type: none"> • Self-Learning Videos • Broadcasts • Mobile Learning • Curated Digital content 	100:0
3	<input checked="" type="checkbox"/> Showing Practical Demonstrations to the learners	<ul style="list-style-type: none"> • Video Content • E-Resource library • AR/ VR/ XR 	100:0
4	<input checked="" type="checkbox"/> Imparting Practical Hands-on Skills/ Lab Work/ workshop/ shop floor training	<ul style="list-style-type: none"> • Training tools (tools list attached) • Video Play • Presentations 	100:0
5	<input checked="" type="checkbox"/> Tutorials/ Assignments/ Drill/ Practice	<ul style="list-style-type: none"> • Online Question Bank • Mobile Quick test app • MCQ based tests 	100:0
6	<input checked="" type="checkbox"/> Proctored Monitoring/ Assessment/ Evaluation/ Examinations	<ul style="list-style-type: none"> • Assessment engine for Essays • Up-loadable file examinations • Mock test sessions 	100:0
7	<input checked="" type="checkbox"/> On the Job Training (OJT)/ Project Work Internship/ Apprenticeship Training	<ul style="list-style-type: none"> • Online tests • Offline assessments 	100:0

Annexure: Detailed Assessment Criteria

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

ASC/N9803: Organize work and resources (Manufacturing)

Assessment Criteria for Outcomes	Theor y Mark s	Practic al Marks	Proje ct Mark s	Viva Marks
<i>Maintain safe and secure working environment</i>	1 1	5	-	7
PC1. identify hazardous activities and the possible causes of risks or accidents in the workplace	2	1	-	2
PC2. follow safe working practices while dealing with hazards to ensure safety of self and others	2	-	-	1

PC3. carry out routine check of the machine for identifying potential hazards	2	1	-	1
PC4. use appropriate protective clothing/equipment for specific tasks and work	2	1	-	1
PC5. follow safety hazards and preventive techniques during fire drill	2	1	-	1
PC6. report any identified breaches in health, safety and security policies and procedures to the designated person	1	1	-	1
<i>Health and hygiene</i>	7	5	-	2
PC7. ensure workstation and equipment are regularly clean and sanitized	2	2	-	1
PC8. clean hands with soap, alcohol-based sanitizer regularly	1	1	-	1
PC9. avoid contact with ill people and self-isolate in a similar situation	1	-	-	-
PC10. wear and dispose PPEs regularly and appropriately	1	-	-	-
PC11. report advanced hygiene and sanitation issues to appropriate authority	1	1	-	-
PC12. follow stress and anxiety management techniques	1	1	-	-
<i>Perform work as per quality standards</i>	5	3	-	2
PC13. ensure that work is accomplished as per				

the requirements within the specified timeline	2	2	-	1
PC14. ensure team goals are given preference over individual goals	3	1	-	1
<i>Effective waste management practices</i>	15	10	-	4
Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC15. follow the fundamentals of 5S for waste management	3	2	-	1
PC16. segregate waste into different categories	2	1	-	-
PC17. follow processes specified for disposal of hazardous waste	2	2	-	1
PC18. identify recyclable, non-recyclable and hazardous waste	4	2	-	1
PC19. dispose non-recyclable, recyclable and reusable waste appropriately at identified location	4	3	-	1
<i>Material/energy conservation practices</i>	12	7	-	5
PC20. identify ways to optimize usage of material in various tasks/activities/processes	2	1	-	1
PC21. check for spills/leakages in various tasks/activities/processes	2	1	-	1
PC22. plug spills/leakages and	2	1	-	-

escalate to appropriate authority if unable to rectify				
PC23. check if the equipment/machine is functioning normally before commencing work and rectify wherever required	2	2	-	1
PC24. report malfunctioning (fumes/sparks/emission/vibration/noise) and lapse in maintenance of equipment	2	1	-	1
PC25. ensure electrical equipment and appliances are properly connected and turned off when not in use	2	1	-	1
NOS Total	50	30	-	20

ASC/N3309 : Perform pretreatment and surface preparation process

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Preparing for pre-treatment and surface preparation process</i>	9	15	-	7
PC1. identify the work to be done by interpreting the drawing/work instructions/SOPs	1	2	-	1
PC2. identify and select the material, tools, equipment, jigs and accessories as per the job requirements	4	3	-	2
PC3. check the tools, equipment, jigs and material for any defects, expiry date etc. before use	1	3	-	1

<i>PC4. check the jig to identify the loading points and locking points in it are as per job requirements</i>	1	2	-	2
<i>PC5. lift the vehicle body parts manually or by hoist and place the same securely on the designated slot/space as per the work instructions</i>	1	2	-	-
<i>PC6. check that vehicle body or parts are cleaned and they are free from oil/dirt/different foreign material</i>	1	3	-	1
<i>Inspect bath system for pre-treatment and surface preparation process</i>	7	14	-	6
<i>PC7. carry out general check of feed valve, drain valve, filter condition, pressure difference and other quality control item of bath system as mentioned in SOP</i>	1	3	-	1
<i>PC8. check that magnetic separator, oil separator, phosphate sludge (for phosphate dip process), heating system (heat exchanger) of Phosphate solution and spray nozzles (blocking of hole) are in working condition</i>	2	4	-	2
<i>PC9. check the water quality to ensure that it is free from chlorine and other impurities, PH and conductivity is maintained as per norms</i>	2	3	-	1
<i>PC10. check the bath temperature and record it as per SOP/work instruction</i>	1	2	-	1
<i>PC11. use gauges to identify the required pressure difference across filter (cartridge/stainer) and then clean/replace the filter (cartridge/stainer) if required</i>	1	2	-	1
<i>Conduct pre-treatment and surface preparation process</i>	12	19	-	7

PC12. <i>perform all pre-treatment and surface preparation processes on vehicle body/parts as per the requirements/specification</i>	3	7	-	2
PC13. <i>maintain bath pointage as per SOP/work instruction</i>	1	1	-	1
PC14. <i>check required temperature of baking oven before starting ED process and ensure that baking is done within the stipulated time</i>	1	1	-	1
PC15. <i>check part for phosphate coating condition after phosphate process and ED coating condition after ED process to confirm that coating quality is as per SOP</i>	2	3	-	-
PC16. <i>apply pressurized air on the vehicle body/ parts for removal of any unwanted extra ED drops is as per SOP</i>	2	3	-	1
PC17. <i>check ED coating parameters (Dry Film Thickness (DFT), Gloss, Methyl Isobutyl Ketone (MIBK) rub test, etc) and record data as per SOP</i>	2	2	-	1
PC18. <i>check the part condition after final rinse to ensure that it is free from water break, dust and other defects as per SOP</i>	1	2	-	1
<i>Conduct post-surface treatment activities</i>	2	2	-	-
PC19. <i>support the operator in unloading the vehicle body/parts and jigs after completion of all processes on skids for the painting activities</i>	1	1	-	-
PC20. <i>dispose waste material into the disposal area in accordance with the company's policies and environmental regulations</i>	1	1	-	-
NOS Total	30	50	-	20

ASC/N3310: Perform sealing, painting and post-painting operations

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Preparing for sealer and paint work</i>	5	7	-	3
PC1. <i>identify and select the sealing and painting material, tools, equipment, jigs and accessories as per the SOP and job requirements</i>	3	3	-	1
PC2. <i>check the tools, equipment, jigs and material for any defects, expiry date etc. before use</i>	1	2	-	1
PC3. <i>check that vehicle body or parts are cleaned and they are free from oil/dirt/different foreign material</i>	-	1	-	-
PC4. <i>read the body drawing to identify the sealing and painting area including water leakage point</i>	1	1	-	1
<i>Perform sealing process</i>	7	16	-	6
PC5. <i>check sealer gun pressure before starting sealer application</i>	1	1	-	-
PC6. <i>use masking tape to mask the area where sealing and painting application is not required</i>	1	1	-	1
PC7. <i>apply under body sealer (PVC) on floor area with drain caps and with required thickness as per SOP/work instruction</i>	1	3	-	1
PC8. <i>check that no pin holes are formed in sealer to avoid shower leakage</i>	1	1	-	1

PC9. <i>check and ensure no extra under body sealer (PVC) on part as mentioned in SOP/work instruction</i>	-	1	-	-
PC10. <i>apply stone guard coating (SGC) as per SOP/work instruction</i>	1	3	-	1
PC11. <i>check and ensure no extra stone guard coating (SGC) as per SOP/work instruction</i>	-	1	-	-
PC12. <i>check and record wet film thickness (WFT) of under body sealing (PVC)</i>	1	2	-	1
PC13. <i>check and repair defects like sealer pin hole, sealer crack, no sealer, ED drop, dry film thickness of SGC.</i>	1	3	-	1
<i>Prepare paint for painting process</i>	4	6	-	3
PC14. <i>identify base color and select appropriate colorants suitable for color match as per the requirements/instructions</i>	2	1	-	1
PC15. <i>mix specified amount of paint material with additives as per specified ratio by following standard procedure</i>	1	3	-	1
PC16. <i>check the paint viscosity and add reducer/thinner/water to adjust viscosity of paint mix as per requirement</i>	1	2	-	1
<i>Apply coatings of paint on the vehicle body</i>	6	10	-	5
PC17. <i>ensure that spray paint gun air pressure and flow is adjusted and maintained as per the job requirement</i>	1	1	-	1

PC18. <i>apply primer on vehicle body parts as per the requirements/specification</i>	1	3	-	1
PC19. <i>apply appropriate coats of paint on vehicle body parts as per the requirements/specification</i>	2	4	-	2
PC20. <i>maintain booth parameters (temperature, relative humidity (RH), etc) during the painting process as per SOP</i>	1	1	-	1
PC21. <i>check that paint coverage is uniform and there are no patches on the painted parts</i>	1	1	-	-
<i>Perform post-painting activities</i>	8	11	-	3
PC22. <i>check the painted parts for defects, required quality and characteristics such as thickness, flakiness, peeling, shade match as per shade card</i>	2	3	-	1
PC23. <i>write the defect on inspection check sheet as per SOP</i>	1	1	-	-
PC24. <i>repair the defects on painted parts as per SOP</i>	2	3	-	1
PC25. <i>check the parts again for defects and put the final confirmation through stamp if defect is repaired as per SOP</i>	-	1	-	-
PC26. <i>ensure that painting operator is tagging and storing the right quality parts properly and maintaining a record of the same by following organisational policies and procedures</i>	1	1	-	1
PC27. <i>ensure that the work area is unmasked and cleaned properly after completion of work</i>	1	1	-	-

PC28. dispose waste material into the disposal area in accordance with the company's policies and environmental regulations	1	1	-	-
NOS Total	30	50	-	20

DGT/VSQ/N0102: Employability Skills (60 Hours)

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Introduction to Employability Skills</i>	1	1	-	-
PC1. identify employability skills required for jobs in various industries	-	-	-	-
PC2. identify and explore learning and employability portals	-	-	-	-
<i>Constitutional values – Citizenship</i>	1	1	-	-
PC3. recognize the significance of constitutional values, including civic rights and duties, citizenship, responsibility towards society etc. and personal values and ethics such as honesty, integrity, caring and respecting others, etc.	-	-	-	-
PC4. follow environmentally sustainable practices	-	-	-	-
<i>Becoming a Professional in the 21st Century</i>	2	4	-	-
PC5. recognize the significance of 21st Century Skills for employment	-	-	-	-

PC6. practice the 21st Century Skills such as Self- Awareness, Behaviour Skills, time management, critical and adaptive thinking, problem-solving, creative thinking, social and cultural awareness, emotional awareness, learning to learn for continuous learning etc. in personal and professional life	-	-	-	-
<i>Basic English Skills</i>	2	3	-	-
PC7. use basic English for everyday conversation in different contexts, in person and over the telephone	-	-	-	-
PC8. read and understand routine information, notes, instructions, mails, letters etc. written in English	-	-	-	-
PC9. write short messages, notes, letters, e-mails etc. in English	-	-	-	-
<i>Career Development & Goal Setting</i>	1	2	-	-

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC10. understand the difference between job and career	-	-	-	-
PC11. prepare a career development plan with short- and long-term goals, based on aptitude	-	-	-	-
<i>Communication Skills</i>	2	2	-	-

PC12. follow verbal and non-verbal communication etiquette and active listening techniques in various settings	-	-	-	-
PC13. work collaboratively with others in a team	-	-	-	-
<i>Diversity & Inclusion</i>	1	2	-	-
PC14. communicate and behave appropriately with all genders and PwD	-	-	-	-
PC15. escalate any issues related to sexual harassment at workplace according to POSH Act	-	-	-	-
<i>Financial and Legal Literacy</i>	2	3	-	-
PC16. select financial institutions, products and services as per requirement	-	-	-	-
PC17. carry out offline and online financial transactions, safely and securely	-	-	-	-
PC18. identify common components of salary and compute income, expenses, taxes, investments etc	-	-	-	-
PC19. identify relevant rights and laws and use legal aids to fight against legal exploitation	-	-	-	-
<i>Essential Digital Skills</i>	3	4	-	-
PC20. operate digital devices and carry out basic internet operations securely and safely	-	-	-	-
PC21. use e- mail and social media platforms and virtual collaboration tools to work effectively	-	-	-	-

PC22. use basic features of word processor, spreadsheets, and presentations	-	-	-	-
<i>Entrepreneurship</i>	2	3	-	-

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC23. identify different types of Entrepreneurship and Enterprises and assess opportunities for potential business through research	-	-	-	-
PC24. develop a business plan and a work model, considering the 4Ps of Marketing Product, Price, Place and Promotion	-	-	-	-
PC25. identify sources of funding, anticipate, and mitigate any financial/ legal hurdles for the potential business opportunity	-	-	-	-
<i>Customer Service</i>	1	2	-	-
PC26. identify different types of customers	-	-	-	-
PC27. identify and respond to customer requests and needs in a professional manner.	-	-	-	-
PC28. follow appropriate hygiene and grooming standards	-	-	-	-
<i>Getting ready for apprenticeship & Jobs</i>	2	3	-	-
PC29. create a professional Curriculum vitae (Résumé)	-	-	-	-

PC30. search for suitable jobs using reliable offline and online sources such as Employment exchange, recruitment agencies, newspapers etc. and job portals, respectively	-	-	-	-
PC31. apply to identified job openings using offline /online methods as per requirement	-	-	-	-
PC32. answer questions politely, with clarity and confidence, during recruitment and selection	-	-	-	-
PC33. identify apprenticeship opportunities and register for it as per guidelines and requirements	-	-	-	-
NOS Total	20	30	-	-

Assessment Parameters:

Assessment Plan:

1. Components of Assessment:

- Each subject will be assessed in three components: Theory (40% weightage), Practical (40% weightage), and On-job Training (OJT, 20% weightage).

2. Passing Parameters:

- To pass the semester, students must meet both the assessment parameters given below.

Parameter 1 - Weighted Semester Score:

- Students must achieve a minimum of 60% in the weighted average score across all three components (Theory, Practical, and OJT) for each subject.

Parameter 2 - Individual Component Score:

- Students need to score at least 40% in each individual component (Theory, Practical, and OJT) of every subject.

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 assessment agencies for conducting the assessment on SIP or email
- Assessment agencies send the assessment confirmation to VTP/TC looping SSC
- Assessment agency deploys the ToA certified Assessor for executing the assessment
- SSC monitors the assessment process & records

2. Testing Environment:

- Check the Assessment location, date and time
- If the batch size is more than 30, then there should be 2 Assessors.
- Check that the allotted time to the candidates to complete Theory & Practical Assessment is correct.

3. Assessment Quality Assurance levels/Framework:

- Question bank is created by the Subject Matter Experts (SME) are verified by the other SME
- Questions are mapped to the specified assessment criteria
- Assessor must be ToA certified & trainer must be ToT Certified

4. Types of evidence or evidence-gathering protocol:

- Time-stamped & geotagged reporting of the assessor from assessment location
- Centre photographs with signboards and scheme specific branding

5. Method of verification or validation:

- Surprise visit to the assessment location

6. Method for assessment documentation, archiving, and access

- Hard copies of the documents are stored

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
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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