



QUALIFICATION FILE

Pool Maintenance Worker

☒ 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:

Sports, Physical Education, Fitness and Leisure Sector Skill Council (SPEFL-SC)
207, DLF Galleria Mall, Mayur Vihar Extension, Delhi- 110091

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1.	Qualification Name	Pool Maintenance Worker														
2.	Sector/s	Sports														
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:													
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-03-SP-00680-2023-V1.1-SPEFLSC	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	Pool maintenance worker takes care of equipment and upkeep of the swimming pool facilities. The primary duties include cleaning, minor repairs, with installation of electrical wiring etc. The individual is also responsible for maintaining inventory of chemicals, parts, and supplies as needed.														
9.	Eligibility Criteria for Entry for Student/Trainee/Learner/Employee	a. Entry Qualification & Relevant Experience: <table border="1" style="width: 100%;"> <thead> <tr> <th>S. No.</th> <th>Academic/Skill Qualification (with Specialization - if applicable)</th> <th>Required Experience (with Specialization - if applicable)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>10th Class pass</td> <td></td> </tr> <tr> <td>2.</td> <td>8th grade pass</td> <td>2 years of experience working in an aquatic environment</td> </tr> <tr> <td>3.</td> <td>5th Class pas</td> <td>5 years of experience working in an aquatic environment</td> </tr> </tbody> </table> b. Age: 18			S. No.	Academic/Skill Qualification (with Specialization - if applicable)	Required Experience (with Specialization - if applicable)	1.	10th Class pass		2.	8th grade pass	2 years of experience working in an aquatic environment	3.	5th Class pas	5 years of experience working in an aquatic environment
S. No.	Academic/Skill Qualification (with Specialization - if applicable)	Required Experience (with Specialization - if applicable)														
1.	10th Class pass															
2.	8th grade pass	2 years of experience working in an aquatic environment														
3.	5th Class pas	5 years of experience working in an aquatic environment														
10.	Credits Assigned to this Qualification, Subject to Assessment <i>(as per National Credit Framework (NCrF))</i>	12	11. Common Cost Norm Category (I/II/III) <i>(wherever applicable):</i> NA													
12.	Any Licensing requirements for Undertaking Training on This Qualification <i>(wherever applicable)</i>	NA														

13.	Training Duration by Modes of Training Delivery (<i>Specify Total Duration as per selected training delivery modes and as per requirement of the qualification</i>)	<input checked="" type="checkbox"/> Offline <input type="checkbox"/> Online <input type="checkbox"/> Blended <i>(Refer Blended Learning Annexure for details)</i> <table border="1"> <thead> <tr> <th>Training Delivery Modes</th> <th>Theory (Hours)</th> <th>Practical (Hours)</th> <th>OJT Man. (Hours)</th> <th>OJT Rec. (Hours)</th> <th>ES (Hours)</th> <th>Total (Hours)</th> </tr> </thead> <tbody> <tr> <td>Classroom (offline)</td> <td>90</td> <td>150</td> <td>90</td> <td>-</td> <td>30</td> <td>360</td> </tr> <tr> <td>Online</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Training Delivery Modes	Theory (Hours)	Practical (Hours)	OJT Man. (Hours)	OJT Rec. (Hours)	ES (Hours)	Total (Hours)	Classroom (offline)	90	150	90	-	30	360	Online						
Training Delivery Modes	Theory (Hours)	Practical (Hours)	OJT Man. (Hours)	OJT Rec. (Hours)	ES (Hours)	Total (Hours)																	
Classroom (offline)	90	150	90	-	30	360																	
Online																							
14.	Aligned to NCO/ISCO Code/s (<i>if no code is available mention the same</i>)	NCO-2015/3423.0501																					
15.	Progression path after attaining the qualification (<i>Please show Professional and Academic progression</i>)	Level-5 (Vertical)- Lifeguard Pool																					
16.	Other Indian languages in which the Qualification & Model Curriculum are being submitted	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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No If “Yes”, specify applicable type of Disability:																					
19.	How Participation of Women will be Encouraged	<p>Encouraging the participation of women in the Pool maintenance Worker job role can be achieved through several strategies aimed at creating an inclusive and welcoming environment. Here are some ways to promote and support the participation of women as Pool maintenance Worker:</p> <ol style="list-style-type: none"> 1. Actively reach out to women's clubs, academies, and local communities to promote the Pool maintenance Worker job role. Participate in career fairs, networking events, and sports clubs to engage with potential candidates. 2. Offer training and development programs specifically designed to enhance the skills and knowledge required for this job-role. Provide equal opportunities for women to participate in these programs, ensuring they have the necessary expertise to excel in the position. 3. Establish mentorship programs that pair aspiring female Pool maintenance Worker with experienced professionals who can provide guidance, support, and career advice. Highlight successful women who have excelled in the field as role models and showcase their achievements to inspire and motivate others. 4. Collaborate with organizations that promote women's empowerment and gender equality in sports. Seek sponsorship and funding to support initiatives aimed at encouraging women's participation as caddie masters, such as scholarships or mentorship programs. 																					

20.	Are Greening/ Environment Sustainability Aspects Covered <i>(Specify the NOS/Module which covers it)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
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: Priya Dwivedi Email: Priya.dwivedi@sportsskills.in Contact No.: 011-47563351 Website: www.sportsskills.in	
23.	Final Approval Date by NSQC: 27/01/2021	24. Validity Duration: 3 Years	25. Next Review Date: 27/01/2024

Section 2: Module Summary

NOS/s of Qualifications*(In exceptional cases these could be described as components)*

SPF/N1153: Maintain pool water

SPF/N1154: Maintain pool systems and equipment

SPF/N1155: Perform regular and seasonal maintenance of the pool

SPF/N1156: Maintain health and safety standard at pool

SGJ/N1702: Optimize resource utilization at workplace

DGT/VSQ/N0102: Employability Skills (30 Hours)

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

S. No	NOS/Module Name	NOS/Module Code & Version (if applicable)	Core/ Non-Core	NCrF/N SQF 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.	Maintain pool water	SPF/N1153, v2.0	Core	3	1.5	15	15	15	-	45	46	84			130	23
2.	Maintain pool systems and equipment	SPF/N1154, v2.0	Core	3	3.5	30	60	15	-	105	43	98			141	25
3.	Perform regular and seasonal maintenance of the pool	SPF/N1155, v2.0	Core	3	2.5	15	30	30	-	75	30	70			100	18
4.	Maintain health and safety standard at pool	SPF/N1156, v2.0	Core	3	2.5	15	30	30	-	75	30	70			100	18
5.	Optimize resource utilization at workplace	SGJ/N1702, v1.0	Non-core	3	1	15	15	-	-	30	13	26			39	7
6.	Employability Skills (30 Hours)	DGT/VSQ/N0101, v1.0	Non-core	2	1	15	15	-	-	30	20	30			50	9
Duration (in Hours) / Total Marks				3	12	105	165	90		360	182	378			560	100

Assessment - Minimum Qualifying PercentagePlease specify **any one** of the following:

Minimum Pass Percentage – Aggregate at qualification level: 50 % (Every Trainee should score specified minimum aggregate passing percentage at qualification level to successfully clear the assessment.)

Minimum Pass Percentage – NOS/Module-wise: 50 % (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)	12th Class with specialization as a pool maintenance specialist with 1 years of academic/industry experience and 1 year of training experience.
2.	Master Trainer's Qualification and experience in the relevant sector (in years) (as per NCVET guidelines)	Graduation with specialization as a pool maintenance specialist with 3 years of academic/industry experience and 2 year of training experience.
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	NA

Section 4: Assessment Related

1.	Assessor's Qualification and experience in relevant sector (in years) (as per NCVET guidelines)	12th Class with specialization as a pool maintenance specialist with 2 years of academic/industry experience and 1 year of training experience
2.	Proctor's Qualification and experience in relevant sector (in years) (as per NCVET guidelines)	
3.	Lead Assessor's/Proctor's Qualification and experience in relevant sector (in years) (as per NCVET guidelines)	
4.	Assessment Mode (Specify the assessment mode)	Theoretical and Practical Assessment
5.	Tools and Equipment Required for Assessment	<input checked="" type="checkbox"/> Same as for training <input 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): Work in Progress
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: 11
5.	Estimated nos. of persons to be trained and employed: 200 in three years
6.	Evidence of Concurrence/Consultation with Line Ministry/State Departments: If “No”, why: SPEFL-SC submitted the qualification for the line ministry concurrence.

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>	Yes
2.	Annexure: List of tools and equipment relevant for qualification <i>(Mandatory, except in case of online course)</i>	Yes
3.	Annexure: Detailed Assessment Criteria <i>(Mandatory)</i>	Yes
4.	Annexure: Assessment Strategy <i>(Mandatory)</i>	Yes
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>	Yes
8.	Supporting Document: Model Curriculum <i>(Mandatory – Public view)</i>	Yes
9.	Supporting Document: Career Progression <i>(Mandatory - Public view)</i>	Yes
10.	Supporting Document: Occupational Map <i>(Mandatory)</i>	Yes
11.	Supporting Document: Assessment SOP <i>(Mandatory)</i>	Yes
12.	Any other document you wish to submit:	

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	A Pool Maintenance Worker must be able to take care of equipment and upkeep of the swimming pool facilities. The primary duties include cleaning, minor repairs, assists with installation of electrical wiring, semi-skilled plumbing , keep chemical balances in pool water, etc	A job requires well developed skill, with clear choice of procedures in familiar context which involves the inspection and assistance to the clients. The Pool Maintenance Worker requires knowledge and skills that are needed to deliver smooth experience to the pool users. They should be able to maintain health and safety standards to prevent the issues that may arise due to negligence. Pool Maintenance Workers must be able to make choices about the best procedures to address problems	3

Professional and Technical Skills/ Expertise/ Professional Knowledge	A Pool Maintenance Worker needs to know and have thorough understanding of specific testing and treatment procedures of contaminated pool water. They should have the knowledge of workplace lighting, machinery and other technical requirements in swimming pool.	A Pool Maintenance Worker must have knowledge of basic facts, process and principle applied for pool maintenance. The Pool Maintenance Worker is responsible for completion of their own work and expected to deliver smooth experience on the job.	3
Employment Readiness & Entrepreneurship Skills & Mind-set/Professional Skill	1. speak with others using some basic English phrases or sentences. 2. follow good manners while communicating with others 3. communicate and behave appropriately with all genders and PwD 4. calculate income, expenses, savings etc. use internet and social media platforms securely and safely 5. identify customer needs and address them appropriately	A Pool Maintenance Worker must be able to perform routine activity repetitively as and when required. They should be able to create a hygienic environment by implementing set standards.	3
Broad Learning Outcomes/Core Skill	A Pool Maintenance Worker on the job needs to know and understand how to read and understand all usage and safety manuals, labels on the chemicals/ equipment. They should be able to develop pool safety guidelines/instructions and update audit sheet	A Pool Maintenance Worker must be able to communicate and demonstrate the knowledge and skills in the occupation, and know application of facts, principles, processes and general concepts in the occupation. which show an understanding of the social and political environment.	3

Responsibility	A Pool Maintenance Worker on the job is responsible for the quality maintenance of the facility.	A Pool Maintenance Worker is expected to operate hygienically and demonstrate an understanding of facility standards	3
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Annexure: Tools and Equipment (Lab Set-Up)

List of Tools and Equipment

Batch Size:

S. No.	Tool / Equipment Name	Specification	Quantity for specified Batch size	Mandatory Equipment
1	Artificial resuscitation kit	Standard	1	No
2	Safety goggles	Standard	30	Yes
3	Gloves	Standard	30	Yes
4	Cleaning brush	Essentials	10	Yes
5	Flockfix cartridges	Standard	2	No
6	JellyClear cubes	Standard	4	No
7	Filter cleaner	Standard	2	Yes
8	Sand filter	Standard	2	Yes
9	Cartridge filter	Standard	2	Yes
10	Trigger spray	Standard	4	Yes
11	Spring wash	Standard	4	Yes
12	Waterline cleaning paste	Standard	4	No

13	Tile and liner cleaner	Standard	10	Yes
14	Strainer crook	Standard	4	No
15	Skimmer	Standard	4	Yes
16	Hose-pipe	Standard	4	No
17	Test-tubes	Standard	15	No
18	Bromine tablets	Standard	10	No
19	Stabilised chorine granules	Standard	10	Yes
20	Chlorine tablets	Standard	10	Yes
21	Algecides	Standard	10	Yes
22	Oxidisers	Standard	10	No
23	Balancers	Standard	10	No
24	Pool-tester kit	Standard	10	Yes
25	Surface disinfectant	Standard	2	Yes
26	Alcohol based saanitizer	Standard	2	Yes
27	copy of IPC (Indian Penal Code 96-106) book	Digital & hard copy	1	Yes
28	copy of POCSO (Protection of Children against Sexual Offences) and POSH (Prevention of Sexual Harassment) Acts	Digital & hard copy	1	Yes
29	First aid kit		1	Yes

Classroom Aids

The aids required to conduct sessions in the classroom are:

1. Laptop
2. Whiteboard
3. Marker
4. Projector
5. Chart paper
6. Clipboards
7. Height & Weight chart

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
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1	WaterWorld	Vijay Kumar Sah	Founder Director	Maharashtra	9970005500	waterworldpune@gmail.com
2	Aquatic & Life Saving Association	Shekhar Batham	President	Madhya Pradesh	9229851833	shekharbatham049@gmail.com
3	AK Group Griffines	Jerry John Murphy	Manager	Maharashtra	9923095825	marketinggriffines@gmail.com
4	Youngistaan Global Foundation	Mehul Mistry	Director	Gujarat	8128896979	mehul12678@gmail.com
5	Karve Nagar-Artemes Swimming Club	Pooja Chavan	Manager	Maharashtra	8379813693	artimespool58@gmail.com
6	Spectro Aqua Engineering	Ashok G	Manager	Telangana	9347426572	spectro_venu@rediffmail.com
7	Vadgaon Budruk- Artemes Swimming Club	Suraj Pardeshi	Manager	Maharashtra	8668964136	artimespool41@gmail.com
8	Kalinga Surf Life Saving Society	Harry Rao	Founder Secretary	Odisha	8260777771	harry@kslss.com
9	Warje Artemes Club	Rohan Joshi	Manager	Maharashtra	9028940108	artimespool5@gmail.com
10	Tamilnadu Life Saving Association	Sebastian Raj	Founder Trustee & Secretary	Tamilnadu	7397360089	irdmschennai@gmail.com
11	Blue Marine Aquatics Mumbai	Palany Samy	Owner & Manager	Maharashtra	9029556999	bmgroupp99@gmail.com
12	Crystal Pools	Akshay Neelakanta	Manager	Maharashtra	9866494664	crystalpool@gmail.com
13	JD Sports Youth Foundation	Jayant J. Duble	Founder President	Maharashtra	9975590227	jdsportsfoundation@gmail.com
14	Rescue INDIA Sports & Safety Pvt Ltd	Rajesh Kale	Manager	Telangana	8143602229	rajkale29@gmail.com
15	Kavya Swimming Pool	Satish Murmure	Manager	Maharashtra	9860864318	kavyaswimming1@gmail.com
16	Learn 2 Swim	Kishor Mudliyar	Training Manager	Maharashtra	9356849516	learntoswim@gmail.com
17	Life Saving Telangana	Mahesh Vinod	Founder Director	Telangana	8146602229	lifesavingtelangana@gmail.com
18	Life Saving Palghar Mumbai	Dhananjay Navale	Founder & Director	Maharashtra	9167005962	lifesavingdomain@gmail.com
19	Quest Academy	Jehan Driver	Director	Tamilnadu	9820367412	info@quest-asia.com
20	Manchar Swimming Pool	Akshay Gujar	Manager	Maharashtra	9822752621	mancharpool07@gmail.com
21	National Institute of Swimming	Dr. Jayprakash S. Duble	Founder	Maharashtra	9975590226	aish.duble@gmail.com
22	Rahul Swimming Academy	Rahul Narwaria	Founder	Telangana	8374360078	rahulswimacademy@gmail.com
23	Pegasus Health Club	Rajesh Sharma	Manager	Maharashtra	7875819422	pegasusclub@mail.com
24	Olympus Swimming Pool	Akash Dhebe	Manager	Maharashtra	9922045453	Olympuspool01@gmail.com
25	Quest Expeditions Pvt Ltd	Upasana Mody	CEO	Tamilnadu	8879995551	upasna@questasia.com
26	Shree Gym & Swimming Pool	Swami Narayan	Manager	Maharashtra	8208912734	shreegym111@gmail.com

27	SKM Pool & Club	Suraj Kishore Mudliyar	Founder & CEO	Maharashtra	9307762528	skmpoolandclub@gmail.com
28	Life Saving Tamilnadu	P Raja	Founder	Tamilnadu	8148800004	rajalilifesavingindia@gmail.com
29	Wadia Park Swimming Pool	Sarvesh Deshmukh	Manager	Maharashtra	8623095825	wadiaparkpool@gmail.com
30	Indian Lifesaving & Lifesaving Sports Federation	Marie Wilson	General Secretary	Tamilnadu	9890145325	illsftraining@gmail.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	50	50	10	10	-	-
2024	75	75	15	15	-	-
2025	75	75	15	15	-	-

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:

Blended Learning Estimated Ratio & Recommended Tools:

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

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		
2	<input type="checkbox"/> Imparting Soft Skills, Life Skills, and Employability Skills /Mentorship to Learners		
3	<input type="checkbox"/> Showing Practical Demonstrations to the learners		
4	<input type="checkbox"/> Imparting Practical Hands-on Skills/ Lab Work/ workshop/ shop floor training		
5	<input type="checkbox"/> Tutorials/ Assignments/ Drill/ Practice		
6	<input type="checkbox"/> Proctored Monitoring/ Assessment/ Evaluation/ Examinations		
7	<input type="checkbox"/> On the Job Training (OJT)/ Project Work Internship/ Apprenticeship Training		

[Annexure: Detailed Assessment Criteria](#)

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

SPF/N1153: Maintain pool water

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Evaluate pool water</i>	18	36	-	-
PC1. evaluate pool water quality maintenance and treatment needs according to regulatory framework	2	4	-	-
PC2. identify visual discolouration and contamination of water, if any, and document	2	4	-	-
PC3. identify unusual odour in the pool water	2	4	-	-
PC4. test pool water quality to identify chemical imbalance and contamination	2	4	-	-
PC5. conduct 3-way strips test to ascertain bromine, chlorine, pH (Potential of Hydrogen), and total alkalinity levels	2	4	-	-
PC6. conduct 3-way Active Oxygen strips test	2	4	-	-
PC7. conduct 6-way strips test to ascertain Total Alkalinity, pH, Cyanuric Acid, Free Chlorine, Total Chlorine (bromine) and Total Hardness	2	4	-	-
PC8. pool water microbiological tests	2	4	-	-
PC9. collect water samples for advance lab-based tests	2	4	-	-
<i>Treat pool water</i>	16	32	-	-
PC10. interpret results of tests and identify corrective measures	2	4	-	-
PC11. calculate the amount of chemicals required to correct chemical imbalances	2	4	-	-
PC12. select and use chemical dosing equipment for treatment of pool water according to manufacturer specifications	2	4	-	-

PC13. brush any visible algae and add an algaecide	2	4	-	-
PC14. conduct 'shock treatment' to eliminate bacteria and organic contaminants (algae) building up in the nooks and crannies of the pool	2	4	-	-
PC15. assess effectiveness of pool water maintenance procedures against testing and treatment records	2	4	-	-
PC16. monitor and maintain pool water quality as per the standards	2	4	-	-
PC17. complete accurate documentation	2	4	-	-
<i>Maintain hygiene and sanitation</i>	12	16	-	-
PC18. ensure personal hygiene	3	4	-	-
PC19. ensure equipment, pool area, common area, etc. are sanitized before and after the usage	3	4	-	-
PC20. guide others about hygiene and sanitation workplace requirements	3	4	-	-
PC21. report advanced hygiene and sanitation issues to appropriate authority	3	4	-	-
NOS Total	46	84	-	-

SPF/N1154: Maintain pool systems and equipment

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Assess safety requirements of the pool</i>	15	34	-	-
PC1. identify relevant Indian standards and regulatory, manufacturer and enterprise requirements related to circulation and filtration systems	3	5	-	-

PC2. identify hazards and assess risks in the work area in compliance to the relevant regulations and standard requirements	2	5	-	-
PC3. inspect the pool liner and foundation for any leaks, cracks, or other damage	2	5	-	-
PC4. check drains, lights, handrails, and ladders to make sure they are properly installed and safely in place	2	5	-	-
PC5. ensure there is no current leakages for electrical components involved in the pool's functioning like filters, pumps, heaters, etc.	2	5	-	-
PC6. inspect if pool ladder, diving board is properly secured and has no signs of damage or weakening	2	5	-	-
PC7. review work instructions and confirm installation or repair activities required	2	4	-	-
<i>Install, test pool circulation and filtration system and components</i>	12	24	-	-
PC8. install circulation and filtration system or component in compliance to the relevant regulations and standard requirements	2	4	-	-
PC9. test and commission circulation, filtration system or components before use	2	4	-	-
PC10. reinstate work area and pool circulation and filtration system to operational condition, if required	2	4	-	-
PC11. document and report procedures undertaken, and system and/or component malfunctions, faults, wear or damage.	2	4	-	-
PC12. advise others of operational and maintenance requirements of the circulation and filtration system in line with manufacturer instructions and standards	2	4	-	-
PC13. advise appropriate organizational authority of non-compliance of pool and environs with safety and regulations	2	4	-	-
<i>Resolve faults in pool circulation and filtration systems</i>	16	40	-	-
PC14. apply system knowledge and technical resources to analyze faults and defects efficiently and accurately	2	5	-	-

PC15. diagnose faults that are not covered fully by maintenance manual fault diagnosis guides	2	5	-	-
PC16. seek advice and repair work assistance from relevant personnel for activities outside scope of own expertise or authority	2	5	-	-
PC17. apply sustainability practices related to materials, equipment, and the surrounding environment during fault finding and repair or replacement activities	2	5	-	-
PC18. repair or replace components in compliance to the manufacturer's instructions, relevant regulations and standard requirements	2	5	-	-
PC19. test and commission circulation and filtration system in line with manufacturer instructions and standards	2	5	-	-
PC20. identify and document potential improvements to maintenance procedures	2	5	-	-
PC21. communicate improvements and changes to higher authorities	2	5	-	-
NOS Total	43	98	-	-

SPF/N1155: Perform regular and seasonal maintenance of the pool

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Perform regular maintenance of the pool</i>	12	30	-	-
PC1. audit pool readiness using the checklist	2	5	-	-
PC2. use pool skimmer to remove floating leaves and debris	2	5	-	-
PC3. use vacuum cleaner to clean dirt and other loose particles from the bottom of the pool	2	5	-	-
PC4. operate pool filter	2	5	-	-

PC5. use a brush or pumice stone to scrub the tiles along the waterline	2	5	-	-
PC6. check your pool maintenance equipment regularly to ensure they are functional	2	5	-	-
<i>Perform winterizing process</i>	18	40	-	-
PC7. conduct a final test of the alkalinity, pH, and calcium hardness of the water	2	4	-	-
PC8. balance the water with the proper chemicals	2	4	-	-
PC9. perform cleaning with brush or vacuum (or both)	2	4	-	-
PC10. ensure pool closing chemicals, such as a winterizing dose of algaecide and chlorine are added	2	4	-	-
PC11. enable the filter for 24-48 hours straight (manually remove any leftover debris)	2	4	-	-
PC12. clean and flush the chlorine feeder connections	2	4	-	-
PC13. perform pool draining , according to the manufacturer's instructions, ensuring the final water level is below the skimmers and inlet lines	2	4	-	-
PC14. drain all equipment: pump, filter, heater, chlorinator, etc. (store drain plugs in pump basket)	2	4	-	-
PC15. shut off pump and motor	1	4	-	-
PC16. ensure winter cover are not damaged before installing	1	4	-	-
NOS Total	30	70	-	-

SPF/N1156: Maintain health and safety standard at pool

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
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<i>Maintain general pool safety</i>	10	20	-	-
PC1. ensure children or non- swimmers are not left unattended in the pool	2	4	-	-
PC2. ensure pool is not used during a thunderstorm (outdoor pool)	2	4	-	-
PC3. ensure there are no inappropriate electrical equipment in the pool or its surrounding	2	4	-	-
PC4. inspect and discard any sharp, glass objects in the pool or around the pool area	2	4	-	-
PC5. ensure pool covers are completely removed before use	2	4	-	-
<i>Maintain safety with chemicals</i>	6	16	-	-
PC6. ensure chemicals are handled in a well-ventilated area, preferably outdoors	2	4	-	-
PC7. check if chemicals are out of the reach of children	2	4	-	-
PC8. carry out handling of chemicals as per the safety instructional guidelines	1	4	-	-
PC9. ensure chemicals are stored in a cool, dry place, with lids put back on containers	1	4	-	-
<i>Perform basic first aid and report the incident</i>	10	22	-	-
PC10. perform artificial resuscitation depending on the severity of the situation	2	5	-	-
PC11. perform basic first aid in case of any physical injury	2	5	-	-
PC12. monitor the condition of the casualty and plan course of action	2	4	-	-
PC13. record details of the incident and the action taken using appropriate forms, according to organisational policies and procedures	2	4	-	-
PC14. report details of incident to workplace supervisor as appropriate	2	4	-	-

<i>Work effectively with others</i>	4	12	-	-
PC15. interact (verbal, non-verbal and written) in a gender, disability, and culturally sensitive manner	1	4	-	-
PC16. promote a safe and interactive environment	1	4	-	-
PC17. identify and report inappropriate behaviour (e.g. sexual harassment) to appropriate authority	2	4	-	-
NOS Total	30	70	-	-

SGJ/N1702: Optimize resource utilization at workplace

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Material conservation practices</i>	4	8		
PC1. identify ways to optimize usage of material including water in various tasks/activities/processes	1	2	-	-
PC2. check for spills/leakages in various tasks/activities/processes	1	2	-	-
PC3. plug spills/leakages and escalate to appropriate authority if unable to rectify	1	2	-	-
PC4. carry out routine cleaning of tools, machines and equipment	1	2	-	-
<i>Energy/electricity conservation practices</i>	4	8		
PC5. identify ways to optimize usage of electricity/energy in various tasks/activities/processes	1	2	-	-
PC6. check if the equipment/machine is functioning normally before commencing work and rectify wherever required	1	2	-	-
PC7. report malfunctioning (fumes/sparks/emission/vibration/noise) and lapse in maintenance of equipment	1	2	-	-
PC8. ensure electrical equipment and appliances are properly connected and turned off when not in use	1	2	-	-
<i>Effective waste management/recycling practices</i>	5	10		

PC9. identify recyclable and non-recyclable, and hazardous waste generated	1	2	-	-
PC10. segregate waste into different categories	1	2	-	-
PC11. dispose non-recyclable waste appropriately	1	2	-	-
PC12. deposit recyclable and reusable material at identified location	1	2		
PC13. follow processes specified for disposal of hazardous waste	1	2	-	-
NOS TOTAL	13	26	-	-

DGT/VSQ/N0101: Employability Skills (30 Hours)					
Assessment Criteria for Outcomes		Theory Marks	Practical Marks	Project Marks	Viva Marks
Introduction to Employability Skills		1	1		
PC1. understand the significance of employability skills in meeting the job requirements		-	-	-	-
Constitutional values – Citizenship		1	1	-	-
PC2. identify constitutional values, civic rights, duties, personal values and ethics and environmentally sustainable practices		-	-	-	-
Becoming a Professional in the 21st Century		1	3	-	-
PC3. explain 21st Century Skills such as SelfAwareness, Behavior Skills, Positive attitude, self-motivation, problem-solving, creative thinking, time management, social and cultural awareness, emotional awareness, continuous learning mindset etc		-	-	-	-
Basic English Skills		2	3	-	-
PC4. speak with others using some basic English phrases or sentences		-	-	-	-
Communication Skills		1	1		
PC5. follow good manners while communicating with others		-	-		
PC6. work with others in a team		-	-	-	-

<i>Diversity & Inclusion</i>	1	1	-	-
PC7. communicate and behave appropriately with all genders and PwD	-	-	-	-
PC8. report any issues related to sexual harassment	-	-	-	-
<i>Financial and Legal Literacy</i>	3	4		
PC9. use various financial products and services safely and securely	-	-	-	-
PC10. calculate income, expenses, savings etc.	-	-		
PC11. approach the concerned authorities for any exploitation as per legal rights and laws	-	-		
<i>Essential Digital Skills</i>	4	6		
PC12. operate digital devices and use its features and applications securely and safely	-	-		
PC13. use internet and social media platforms securely and safely	-	-		
<i>Entrepreneurship</i>	3	5		
PC14. identify and assess opportunities for potential business	-	-		
PC15. identify sources for arranging money and associated financial and legal challenges	-	-		
<i>Customer Service</i>	2	2		
PC16. identify different types of customers	-	-		
PC17. identify customer needs and address them appropriately	-	-		
PC18. follow appropriate hygiene and grooming standards	-	-		
<i>Getting ready for apprenticeship & Jobs</i>	1	3		
PC19. create a basic biodata	-	-		
PC20. search for suitable jobs and apply	-	-		
PC21. identify and register apprenticeship opportunities as per requirement	-	-		
Total Marks	20	30	-	-

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

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
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