

QUALIFICATION FILE

Processing Supervisor (Dyeing & Printing)

☒ 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:5

Submitted By:

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Section 1: Basic Details

1.	Qualification Name	Processing Supervisor (Dyeing &Printing)													
2.	Sector/s	Apparel													
3.	Type of Qualification: ☐ New ☒ Revised ☐ Has Electives/Options ☐ OEM	NQR Code & version of existing/previous qualification: QG-04-AP-01769-2024-V1.1-AMHSSC, Version 3.0	Qualification Name of existing/previous version: Processing Supervisor (Dyeing &Printing)												
4.	a. OEM Name b. Qualification Name (Wherever applicable)	NA													
5.	National Qualification Register (NQR) Code &Version (Will be issued after NSQC approval)	QG-05-AP-03577-2025-V2-AMHSSC, Version 4.0	6. NCrf/NSQF Level: 5												
7.	Award (Certificate/Diploma/Advance Diploma/ Any Other (Wherever applicable specify multiple entry/exits also & provide details in annexure)	Certificate													
8.	Brief Description of the Qualification	Processing Supervisor (Dyeing & Printing) is responsible for monitoring production, quality and smooth operation of processes beginning with development of recipe to execution of processes with junior management cadres working as a team. Processing supervisors strategize efficient techniques to maximize the productivity and performance of the staff. He also ensures discharge of effluents as per defined statutory norms.													
9.	Eligibility Criteria for Entry for Student/Trainee/Learner/Employee	a. Entry Qualification & Relevant Experience: b. <table border="1"> <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>12th Grade Pass</td> <td>3-year relevant experience</td> </tr> <tr> <td>2</td> <td>Completed 2nd year of UG (UG Diploma) in textile and apparel</td> <td>1 year experience</td> </tr> <tr> <td>3</td> <td>Previous relevant Qualification of NSQF Level 4</td> <td>3-year relevant experience</td> </tr> </tbody> </table> c. Age: 20 years		S. No.	Academic/Skill Qualification (with Specialization - if applicable)	Required Experience (with Specialization - if applicable)	1	12th Grade Pass	3-year relevant experience	2	Completed 2nd year of UG (UG Diploma) in textile and apparel	1 year experience	3	Previous relevant Qualification of NSQF Level 4	3-year relevant experience
S. No.	Academic/Skill Qualification (with Specialization - if applicable)	Required Experience (with Specialization - if applicable)													
1	12th Grade Pass	3-year relevant experience													
2	Completed 2nd year of UG (UG Diploma) in textile and apparel	1 year experience													
3	Previous relevant Qualification of NSQF Level 4	3-year relevant experience													

10.	Credits Assigned to this Qualification, Subject to Assessment <i>(as per National Credit Framework (NCrF))</i>	16	11. Common Cost Norm Category (I/II/III) <i>(wherever applicable):</i> Category I																					
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>	☒ Offline ☐ Online ☐ Blended <table border="1"> <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>150</td><td>300</td><td>30</td><td>0</td><td>480</td></tr> <tr> <td>Online</td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table> <i>(Refer Blended Learning Annexure for details)</i>					Training Delivery Modes	Theory (Hours)	Practical (Hours)	OJT Mandatory (Hours)	OJT Recommended (Hours)	Total (Hours)	Classroom (offline)	150	300	30	0	480	Online					
Training Delivery Modes	Theory (Hours)	Practical (Hours)	OJT Mandatory (Hours)	OJT Recommended (Hours)	Total (Hours)																			
Classroom (offline)	150	300	30	0	480																			
Online																								
14.	Aligned to NCO/ISCO Code/s <i>(if no code is available mention the same)</i>	NCO-2015/2141.1600																						
15.	Progression path after attaining the qualification <i>(Please show Professional and Academic progression)</i>	Sampling Coordinator																						
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	☐ Yes ☒ No URLs of similar Qualifications:																						
18.	Is the Job Role Amenable to Persons with Disability	☐ Yes ☒ No If "Yes", specify applicable type of Disability: NA																						
19.	How Participation of Women will be Encouraged	Skilled women workforce will find jobs with organised apparel exporters, manufacturers.																						
20.	Are Greening/ Environment Sustainability Aspects Covered <i>(Specify the NOS/Module which covers it)</i>	☒ Yes ☐ No																						
21.	Is Qualification Suitable to be Offered in Schools/Colleges	Schools ☒ Yes ☐ No Colleges ☒ Yes ☐ 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: Amit Singh, Email: jdqs@sscammh.com , Contact No.: 09599929121, Website: www.sscammh.com																						
23.	Final Approval Date by NSQC: 18/02/2025	24. Validity Duration: 36 Months			25. Next Review Date 18/02/2028																			

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

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	Plan and organize materials to be dyed and printed as per customer requirements and dyes and chemicals	AMH/N0615 V 3.0	Core	5	4	30	90	0	0	120	14	49	0	7	70	16%
2	Develop recipe for dyeing and printing as per the customer requirement or pantone shade	AMH/N0616 V 3.0	Core	5	5	30	90	30	0	150	16	56	0	8	80	18%
3	Supervise the process of dyeing and printing as per plan received from production planning	AMH/N0617 V 3.0	Core	5	2	21	39	0	0	60	15	60	0	10	85	19%
4	Maintain health, safety and security in the processing department with Gender & PwD Sensitization.	AMH/N0618 V 3.0	Core	5	1	15	15	0	0	30	11	39	0	5	55	12%
5	Ensure workplace orderliness and efficiently operate tools and machinery.	AMH/N0619 V 1.0	Non-Core	5	1	15	15	0	0	30	14	49	0	7	70	16%

6	Adhere to industry, regulatory, and organizational standards and embrace environmentally sustainable practices	AMH/N0621 V 1.0	Non-Core	5	1	15	15	0	0	30	20	10	0	10	40	9%
7	Employability Skills	DGT/VSQ/N0 102 V 1.0	Non-Core	4	2	24	36	0	0	60	20	30	0	0	50	10%
Duration (in Hours) / Total Marks					16	150	300	30	0	480	110	293	0	47	450	100%

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: NA % (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)	Diploma with 4 Year of relevant industry experience in Dyeing OR Graduation with 3 Year of relevant industry experience in Dyeing OR Post graduate diploma with 2 Year of relevant industry experience in Dyeing OR Post Graduate with 1 Year of relevant industry experience in Dyeing
2.	Master Trainer's Qualification and experience in the relevant sector (in years) (as per NCVET guidelines)	Diploma with 4 Year of relevant industry experience in Dyeing OR Graduation with 3 Year of relevant industry experience in Dyeing OR Post graduate diploma with 2 Year of relevant industry experience in Dyeing OR Post Graduate with 1 Year of relevant industry experience in Dyeing

3.	Tools and Equipment Required for Training	☒ Yes ☐ No (If "Yes", details to be provided in Annexure) Refer 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)	ITI with 4 Year of relevant industry experience in Dyeing OR Diploma with 4 Year of relevant industry experience in Dyeing OR Graduation with 3 Year of relevant industry experience in Dyeing OR Post graduate diploma with 2 Year of relevant industry experience in Dyeing OR Post Graduate with 1 Year of relevant industry experience in Dyeing
2.	Proctor's Qualification and experience in relevant sector (in years) (as per NCVET guidelines)	ITI with 4 Year of relevant industry experience in Dyeing OR Diploma with 4 Year of relevant industry experience in Dyeing OR Graduation with 3 Year of relevant industry experience in Dyeing OR Post graduate diploma with 2 Year of relevant industry experience in Dyeing OR Post Graduate with 1 Year of relevant industry experience in Dyeing
3.	Lead Assessor's/Proctor's Qualification and experience in relevant sector (in years) (as per NCVET guidelines)	ITI with 4 Year of relevant industry experience in Dyeing OR Diploma with 4 Year of relevant industry experience in Dyeing OR Graduation with 3 Year of relevant industry experience in Dyeing OR Post graduate diploma with 2 Year of relevant industry experience in Dyeing OR Post Graduate with 1 Year of relevant industry experience in Dyeing
4.	Assessment Mode (Specify the assessment mode)	Offline

5.	Tools and Equipment Required for Assessment	☒ Same as for training ☐ Yes ☐ No <i>(details to be provided in Annexure-if it is different for Assessment)</i>
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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 2 years) (Yes/No): Yes
3.	Government /Industry initiatives/ requirement (Yes/No): Yes
4.	Number of Industry validation provided: 21
5.	Estimated nos. of persons to be trained and employed: 400
6.	Evidence of Concurrence/Consultation with Line Ministry/State Departments: Ministry Of Textiles is Line Ministry of AMHSSC. If "No", why: NA

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>	NCrf/NSQF level justification based on NCrf level/NSQF descriptors
2.	Annexure: List of tools and equipment relevant for qualification <i>(Mandatory, except in case of online course)</i>	List of tools and equipment relevant for qualification
3.	Annexure: Detailed Assessment Criteria <i>(Mandatory)</i>	Detailed Assessment Criteria
4.	Annexure: Assessment Strategy <i>(Mandatory)</i>	Assessment Strategy
5.	Annexure: Blended Learning <i>(Mandatory, in case selected Mode of delivery is "Blended Learning")</i>	Offline Learning Mode
6.	Annexure: Multiple Entry-Exit Details <i>(Mandatory, in case qualification has multiple Entry-Exit)</i>	NA
7.	Annexure: Acronym and Glossary <i>(Optional)</i>	Acronym and Glossary
8.	Supporting Document: Model Curriculum <i>(Mandatory – Public view)</i>	Model Curriculum
9.	Supporting Document: Career Progression <i>(Mandatory - Public view)</i>	Career Progression
10.	Supporting Document: Occupational Map <i>(Mandatory)</i>	Occupational Map
11.	Supporting Document: Assessment SOP <i>(Mandatory)</i>	Assessment SOP
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	- He is also required to discharge of effluents as per defined statutory norms. - He has a good experience in the field which prepares him to work as an in charge of processing section comprising processes from dyeing, printing, hydro extraction to drying.	Knowledge OR/AND Proficient with Diverse procedural knowledge, operational understanding, time and quality management. Processing Supervisor (Dyeing & Printing) in apparel, made-ups and home furnishing sector, is skilled worker who is required to monitor production, quality and smooth operation of processes beginning with development of recipe to execution of processes with junior management cadres working as a team.	5
Professional and Technical Skills/ Expertise/ Professional Knowledge	- He has the knowledge of, preparation of the fabric before printing or dyeing like bleaching etc. - He knows how to operate, handle dyeing, printing machine, based on capacity, suitability for product types, dyeing cycle, etc. and correct the machinery in case of any fault. - He is aware about parameters affecting dyeing and printing like pH, temperature, time, etc., dyeing and printing defects like crocking etc., their rectification. - He knows how to match fabric according to the pantone shade card or any other matching criteria as per the requirement of the customer	Professionally skilled with advanced knowledge, capable of successfully Implementing techniques and delivering work with precision. Processing Supervisor (Dyeing & Printing) has a good knowledge various type of dyes, chemicals, their shelf life, their application on the various, fibers yarns, fabrics or ready products according to fabric types and the customer demand.	5

Employment Readiness & Entrepreneurship Skills & Mind-set/Professional Skill	• He takes decision with systematic course of actions. • He plans and organizes the materials to be dyed or printed in such a way so as to meet the target dates and deadlines SB4. Plan and organize the materials to be dyed or printed and assess/evaluate processing steps and processes. • He communicates effectively with aids of soft skill tools and techniques and applies domain information about product, processes and technical specifications. • He analyses the customer requirements with the availability in the market, organization's capability to work on such materials, etc. and organizes work depending on the worker's capability. • He encourages exchange of ideas/inputs develops and analyses the strategies adopted for the betterment of the workflow. • He keeps the health and the safety checks under control. • He Identifies records, reports and rectifies (if able to) the malfunctions of the tools and machines	Highly skilled and versatile professional with proficiency in employability skills including Communication, leadership, entrepreneurship, and digital and financial literacy. Processing Supervisor (Dyeing & Printing follows organization rule-based decision-making process when finalizing the vendors for material purchase.	5
Broad Learning Outcomes/Core Skill	• He knows the formulae for preparation of various types of dyes recipe, according to the fabrics, design, color and the requirements of the buyer. • He writes letters, memos, and mails clearly and legibly, reads and comprehends written instructions related to the process of dyeing and printing. • He communicates with managers, colleagues and juniors appropriately and talks to workers to convey information effectively. • He is able to read and comprehend written instructions describing safety measures to be adopted while working with the dyeing and printing equipment and discuss details about safety from equipment to team assigned with the work. • He communicates the safety norms to his co- workers and juniors.	Versatile candidate adept at executing specialized tasks with minimal supervision, Applying technical skills and problem-solving with clarity. Processing Supervisor (Dyeing & Printing documents records related to recipe, chemicals and formulations, health issues, accidents etc.	5
Responsibility	• He manages the shift of dyeing/printing processes and resources efficiently, such that dye house targets are met while maintaining the quality required by the customer. • He has the responsibility of his own work and learning and some responsibility of other's work and learning	The Processing (dyeing Supervisor is a job role in wet processing. He supervises processes related to dyeing and printing of textile products monitoring production, quality and timely delivery of products suitable for next operations.	5

Annexure: Tools and Equipment (Lab Set-Up)

List of Tools and Equipment

Batch Size: 30

S. No.	Tool / Equipment Name	Specification	Quantity for specified Batch size
1	Dyeing & printing machine		1
2	Students' manuals/notes		30
3	Trainees' stools		15
4	mixers/Mixing tanks		1
5	Various types Dyes and Chemicals		
6	Color matching Light Box		1
7	Colored chalk or marker (The quantity may vary as per requirement)		2
8	Pantone shade card		1
9	First aid box & Fire Extinguisher		1
10	Weighing scales		4
11	Personal Protective Equipment (One each type (Nose mask, Hand gloves, Gum boots, etc.))		15
12	Measuring tape		5
13	Basic Stationary Items		30
14	Marker		1
15	Types Of Scales, normal straight big ruler,		1
16	Calculator		3
17	Scissors		2
18	Clips/pins		2
19	type of fabrics, trims and accessories		
20	Apparel, made ups and home furnishing articles		
21	Types of Books on (dyeing and printing techniques, international quality standards, different type of fabric, international quality standards, intermural property rights and compliance, Garments, Made ups and home furnishing articles and there Manufacturing,		1
22	Inventory/stock register		1
23	fabric swatch file		1
24	client specification sheet/Designing sheet/screens		1
25	Job card		30
26	Printing table		2

27	Printing blocks		
28	checking table		1
29	Hourly & Daily Work Report		1
30	Trainer's & Student's Chair		31
31	Trainer's & Student's Table		31
32	Projector/LCD		1

Classroom Aids

The aids required to conduct sessions in the classroom are:

1. Computer (PC) with latest configurations – and Internet connection with standard operating system and standard word processor and worksheet software (Licensed)
2. (All software should either be latest version or one/two version below) As required
3. UPS As required
4. Scanner cum Printer As required
5. Computer Tables As required
6. Computer Chairs As required
7. LCD Projector As required
8. White Board 1200mm x 900mm as required

Annexure: Industry Validations Summary

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

<u>S.No</u>	Organization	Name of Representative	Designation	State	Email Id	Contact number
1	Esstee Corp	MK Velu	Senior Manager	Maharashtra	sr.mgr.hradmin@essteeexports.com	9843259971
2	SVAS Global	Vasavi S.	CEO	TamilNadu	vasavi@svasglobalsourcing.com	9003918705
3	Warmzone	Saakshar Jain	Marketing Head	Punjab	Saakshar.jain@warmline.co.in	8146591155
4	Newline Exports	R Poornachandren	Manager HR	Tamilnadu	hr@newlineexports.com	9842443413

5	Fashion knits	Nushrath R.	HR Manager	Tamilnadu	nusrathr@fashionknits.net	7708074742
6	KBS Garments	B Sateesh	Director	Tamilnadu	Kbs.garments.888@gmail.com	9943457766
7	BEST Corporation	Siva Sarvanan	Sr. HR Manager	Tamilnadu	siva@bestcorp.in	7502242242
8	Indian Textile Company	Yogesh Nimish	HR Manager	Maharashtra	NA	9168453836
9	Trident	Nasreen Ahmed	Head Product Development	Punjab	nasreenshmed@tridentindia.com	9878999237
10	5 Star Garment	Dinesh Dongre	Manager	Maharashtra	ddongre100@gmail.com	8806405410
11	High Heads Pvt Ltd	Zunaid	Manager	Tamilnadu	workshop@thehighheads.com	6283270076
12	RUSTA	Amitoj Bal	Sourcing Manager	Delhi	Amitoj.bal@rusta.com	9873000263
13	Women Era	Nutan A Shaw	Owner	Maharashtra	NA	NA
14	Iris Corp	Sudarshan Jain	Director	Punjab	Irisknitwear86@gmail.com	9876326111
15	Warmline Jackets	Vishal S	Manager	Punjab	info@warmlinejacket.com	9815495806
16	Alok Ent	Ankush Waman	Owner	Maharashtra	NA	NA
17	Bayport	Amit Sharma	Category Head	Ahmedabad	amitsharma@bayport.com	9582038033
18	Dhareshwar Multiservices	Yogesh Misal	Partner	Maharashtra	NA	NA
19	Shubham Enterprises	Pradip Kumar	Owner	Maharashtra	jshubham@yahoo.co.in	NA
20	Aathava Garments pvt ltd.	Ganesh Kumar J	Manager	Tamilnadu	info@aathavagarments.com	0422-2565716
21	LUX Industries	Buvana M	HR Manager	Tamilnadu	info@luxinnerwear.com	+913340402121

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	45	29	40	26	NA	NA
2024	47	30	42	27	NA	NA
2025	48	32	44	29	NA	NA

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
Version 2.0	2022	43	42	41	27	40	40	39	26	NA	NA	NA	NA
Version 1.0	2021	41	40	39	26	38	38	37	25	NA	NA	NA	NA
Version 1.0	2020	38	38	37	25	37	36	35	24	NA	NA	NA	NA

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. PMKVY
2. DDUGKY
3. NULM

Content availability for previous versions of qualifications:

☐ Participant Handbook ☐ Facilitator Guide ☐ Digital Content ☐ Qualification Handbook ☐ Any Other: NA

Languages in which Content are available:

Hindi

Annexure: Detailed Assessment Criteria

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

AMH/N0619: Ensure workplace orderliness and efficiently operate tools and machinery.					
PC	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC1	Implement safe and precise methods to handle materials, machinery, equipment, and tools, ensuring a workplace environment that is clean and free from hazards.	2	5	-	1
PC2	Follow correct protocols for lifting and handling during operations.	2	5	-	1
PC3	Optimize material usage to minimize waste and ensure safe disposal of any excess material at designated locations.	2	3	-	1
PC4	Carry out routine maintenance and cleaning duties within assigned roles and agreed-upon schedules.	2	10	-	1
PC5	Immediately report any unsafe or damaged equipment, as well as hazardous incidents, to authorized personnel.	2	3	-	0.5
PC6	Confirm the presence of appropriate machine guards to maintain operational safety.	2	3	-	1
PC7	Maintain a working posture that is both comfortable and ergonomically sound.	1	10	-	0.5
PC8	Employ appropriate cleaning equipment and techniques tailored to the specific tasks at hand.	1	10	-	1
	NOS Total	14	49	-	7
AMH/N0621: Adhere to industry, regulatory, and organizational standards and embrace environmentally sustainable practices					
PC	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC1	Execute job responsibilities according to organizational standards, with a strong emphasis on eco-friendly solutions, while strictly adhering to established procedures, policies, and legal regulations.	2	1	-	1

PC2	Implement and uphold organizational policies and procedures, integrating sustainable consumption practices into daily operations.	2	1	-	1
PC3	Actively engage in enhancing organizational performance by driving the transition towards environmentally friendly processes and practices.	2	1	-	1
PC4	Safely handle materials, equipment, computers, and software to maintain a clean and hazard free work environment, actively supporting the adoption of eco-friendly practices throughout the workplace.	3	2	-	2
PC5	Perform routine maintenance and cleaning tasks within assigned duties and agreed-upon schedules, effectively managing any interruptions to workflow.	3	1	-	1
PC6	Immediately report any instances of unsafe equipment or hazardous incidents to the appropriate personnel to ensure swift resolution and mitigate risks.	2	1	-	1
PC7	Utilize appropriate cleaning equipment and techniques tailored to specific tasks, promoting efficiency and sustainability in workplace maintenance.	2	1	-	1
PC8	Proactively request system or software upgrades as necessary to optimize work efficiency, while also maintaining backup files to ensure data integrity and security when using various design software.	2	1	-	1
PC9	Maintain digital copies of design work in organized files for future reference, ensuring accessibility and preservation of valuable project assets.	2	1	-	1
	NOS Total	20	10		10
AMH/N0615: Plan and organize materials to be dyed and printed as per customer requirements and dyes and chemicals					
PC	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC1.	Understand the task mentioned in the work order	2	2	-	1
PC2	Ensure that all weighing scales, mixers, mixing tanks, etc. Are clean	2	9	-	1
PC3.	Follow the preventive maintenance and cleaning schedule and ensure that all controls of the equipment are functioning properly; and take corrective measures if required	5	20	-	2
PC4.	Ensure availability of resources (dyes & chemicals) with distinct lot number, materials for dyeing and printing with location and contact person etc	3	10	-	1

PC5	Allocate dyeing machines based on dyeing cycle, machine availability, colour type, urgency and priority of shade required	1	4	-	1
PC6	Allocate operators based on skillset suitability for dyeing technicalities and printing sophistications	1	4	-	1
	NOS TOTAL	14	49	-	7
AMH/N0616: Develop recipe for dyeing and printing as per the customer requirement or pantone shade					
PC	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC1	Understand the process parameters for dyeing and printing with all technicalities and technologies	2	2	-	1
PC2	Use PPE before and while working in colour store and ensure all safety measures are in consideration	1	4	-	1
PC3	Weigh all dyestuff separately (bigger quantity first and smaller quantity last, below 20 gms. Should be weighed on precision balance)	3	8	-	1
PC4	Develop dyeing recipe with details like fabric type, dyeing cycle, MLR, pH and other parameters	4	20	-	1
PC5	Check the shades developed against standard sample and/or pantone shade card	3	10	-	2
PC6	Check that all controls are functioning properly; and take corrective measures in case of deviation	3	12	-	2
	NOS Total	16	56	-	8
AMH/N0617: Supervise the process of dyeing and printing as per plan received from production planning					
PC	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC1.	Ensure dyeing and printing process is executed as per defined dyeing cycle and printing process steps	2	2	-	1
PC2	Ensure materials after dyeing are washed and hydro-extracted as per defined washing cycle	2	9	-	1
PC3.	Ensure materials after dyeing are dried as per defined process parameters	5	20	-	2
PC4.	Take corrective action in case of any deviation in the dyeing/printing process	3	10	-	1

PC5	Ensure that all chemicals/ dyeing/printing solutions are disposed of in the prescribed manner	1	4	-	1
	NOS TOTAL	15	60	-	10
AMH/N0618: Maintain health, safety and security in the processing department with Gender & PwD Sensitization					
PC	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC1	Ensure that procedures related to environment management system health safety, gender and PwD (People with disability) are being followed	2	2	-	1
PC2	Ensure dyeing effluents are monitored periodically for compliance before discharge complies with industrial and environmental requirements like BOD, COD, PH, colour, etc.	1	4	-	1
PC3	Ensure safe and secure handling of dyeing equipment, tools and machineries	3	8	-	1
PC4	Monitor the workplace and work processes for potential risks and threats	4	20	-	1
PC5	Ensure workers participation in mock- drills/evacuation procedures group discussions, training sensitization programs for gender and PwD awareness organized at the workplace	3	10	-	2
PC6	Ensure workers undertake first-aid, fire- fighting, and emergency response training	3	12	-	2
	NOS Total	11	39	-	5

DGT/VSQ/N0102 EMPLOYABILITY SKILLS (60 Hours)					
PC	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
	Introduction to Employability Skills	1	1	0	0
PC1	Identify employability skills required for jobs in various industries				
PC2	Identify and explore learning and employability portals				
	Constitutional values – Citizenship	1	1	0	0
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				
	Becoming a Professional in the 21st Century	2	4	0	0

PC5	Recognize the significance of 21st Century Skills for employment				
PC6	Practice the 21st Century Skills such as Self-Awareness, Behavior 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				
	Basic English Skills	2	3	0	0
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				
	Career Development & Goal Setting	1	2	0	0
PC10	Understand the difference between job and career				
PC11	Prepare a career development plan with short- and long-term goals, based on aptitude				
	Communication Skills	2	2	0	0
PC12	Follow verbal and non-verbal communication etiquette and active listening techniques in various settings				
PC13	Work collaboratively with others in a team				
	Diversity & Inclusion	1	2	0	0
PC14	Communicate and behave appropriately with all genders and PwD				
PC15	Escalate any issues related to sexual harassment at workplace according to POSH Act				
	Financial and Legal Literacy	2	3	0	0
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				
	Essential Digital Skills	3	4	0	0
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				
	Entrepreneurship	2	3	0	0
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				
	Customer Service	1	2	0	0
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				
	Getting ready for apprenticeship & Jobs	2	3	0	0
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	0	0
	GRAND TOTAL	110	293	0	47

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