QUALIFICATION FILE

Advance Pattern Maker (CAD/CAM)

☒ 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:

Apparel, Made-ups & Home Furnishing Sector Skill Council

3rd floor, Flat No. A-312 To A-323, Somdatt Chamber-I,

Bhikaji Cama Place,

Africa Avenue,

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Section 1: Basic Details

<table>
<tr><td>1.</td><td>Qualification Name</td><td colspan="2">Advance Pattern Maker (CAD/CAM)</td></tr>
<tr><td>2.</td><td>Sector/s</td><td colspan="2">Apparel</td></tr>
<tr><td>3.</td><td>Type of Qualification: ☐ New ☒ Revised ☐ Has Electives/Options ☐OEM</td><td>NQR Code & version of existing/previous qualification: 2021/APR/AMHSSC/04770, Version 2.0</td><td>Qualification Name of existing/previous version: Advance Pattern Maker (CAD/CAM)</td></tr>
<tr><td>4.</td><td>a. OEM Name
b. Qualification Name
(Wherever applicable)</td><td colspan="2">NA</td></tr>
<tr><td>5.</td><td>National Qualification Register (NQR) Code &Version
(Will be issued after NSQC approval)</td><td>QG-05-AP-01772-2024-V1.1-AMHSSC, Version 3.0</td><td>6. NCrF/NSQF Level: 5</td></tr>
<tr><td>7.</td><td>Award (Certificate/Diploma/Advance Diploma/ Any Other (Wherever applicable specify multiple entry/exits also & provide details in annexure)</td><td colspan="2">Certificate</td></tr>
<tr><td>8.</td><td>Brief Description of the Qualification</td><td colspan="2">The advance pattern maker uses the CAD system to recreate the pattern design techniques by transferring ideas to the computer, digitizing and modifying patterns and also using the CAM to get the patterns and lays cut out in the actual sizes</td></tr>
<tr><td>9.</td><td>Eligibility Criteria for Entry for Student/Trainee/Learner/Employee</td><td colspan="2">a. Entry Qualification & Relevant Experience:
b.
<table>
<tr><th>S. No.</th><th>Academic/Skill Qualification (with Specialization - if applicable)</th><th>Required Experience (with Specialization - if applicable)</th></tr>
<tr><td>1</td><td>Completed 1st year of 3-year/ 4-years UG</td><td>1 year relevant experience</td></tr>
<tr><td>2</td><td>Previous relevant Qualification of NSQF Level 4.5</td><td>1.5 year relevant experience</td></tr>
</table>
c. Age: 21 years</td></tr>
<tr><td>10.</td><td>Credits Assigned to this Qualification, Subject to Assessment (as per National Credit Framework (NCrF))</td><td>17</td><td>11. Common Cost Norm Category (I/II/III) (wherever applicable): Category I</td></tr>
</table>

<table>
<tr><td>12.</td><td>Any Licensing requirements for Undertaking Training on This Qualification (wherever applicable)</td><td colspan="2">NA</td></tr>
<tr><td>13.</td><td>Training Duration by Modes of Training Delivery (Specify Total Duration as per selected training delivery modes and as per requirement of the qualification)</td><td colspan="2">☒Offline ☐Online ☐Blended
<table>
<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>
<tr><td>Classroom (offline)</td><td>180</td><td>330</td><td>0</td><td>0</td><td>510</td></tr>
<tr><td>Online</td><td></td><td></td><td></td><td></td><td></td></tr>
</table>
(Refer Blended Learning Annexure for details)</td></tr>
<tr><td>14.</td><td>Aligned to NCO/ISCO Code/s (if no code is available mention the same)</td><td colspan="2">NCO-2004/7435.90</td></tr>
<tr><td>15.</td><td>Progression path after attaining the qualification (Please show Professional and Academic progression)</td><td colspan="2">Production Manager</td></tr>
<tr><td>16.</td><td>Other Indian languages in which the Qualification & Model Curriculum are being submitted</td><td colspan="2">Hindi</td></tr>
<tr><td>17.</td><td>Is similar Qualification(s) available on NQR-if yes, justification for this qualification</td><td colspan="2">☐ Yes ☒ No URLs of similar Qualifications:</td></tr>
<tr><td>18.</td><td>Is the Job Role Amenable to Persons with Disability</td><td colspan="2">☐ Yes ☒ No
If “Yes”, specify applicable type of Disability: NA</td></tr>
<tr><td>19.</td><td>How Participation of Women will be Encouraged</td><td colspan="2">Skilled women workforce will find jobs with organised apparel exporters, manufacturers.</td></tr>
<tr><td>20.</td><td>Are Greening/ Environment Sustainability Aspects Covered (Specify the NOS/Module which covers it)</td><td colspan="2">☒ Yes ☐ No</td></tr>
<tr><td>21.</td><td>Is Qualification Suitable to be Offered in Schools/Colleges</td><td colspan="2">Schools ☒ Yes ☐ No Colleges ☒ Yes ☐ No</td></tr>
<tr><td>22.</td><td>Name and Contact Details of Submitting / Awarding Body SPOC
(In case of CS or MS, provide details of both Lead AB & Supporting ABs)</td><td colspan="2">Name: Amit Singh, Priya Mathur
Email: jdqs@sscamh.com, jdqs1@sscamh.com Contact No.: 09599929121, 8810692673
Website: www.sscamh.com</td></tr>
<tr><td>23.</td><td>Final Approval Date by NSQC: 30/12/2021</td><td>24. Validity Duration: 36 Months</td><td>25. Next Review Date 30/12/2024</td></tr>
</table>

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	Pattern development through CAD/CAM	AMH/N1101 V 2.0	Core	5	12	120	240	0	0	360	36	126	0	18	180	52%
2	Maintenance of work area, machinery, tools and equipment	AMH/N1102 V 2.0	Core	5	2	21	39	0	0	60	16	56	0	8	80	23%
3	Maintain health, safety and secure work place with Gender and PwD Sensitization	AMH/N0103 V 5.0	Non Core	4	1	15	15	0	0	30	22	12	0	6	40	11%
4	Employability Skills	DGT/VSQ/N0102 V 1.0	Non Core	4	2	24	36	0	0	60	20	30	0	0	50	14%
Duration (in Hours) / Total Marks					13	180	330	0	0	510	94	224	0	32	350	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 Pattern Making OR Graduation with 3 Year of relevant industry experience in Pattern Making OR Post graduate diploma with 2 Year of relevant industry experience in Pattern Making OR Post Graduate with 1 Year of relevant industry experience in Pattern Making
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 Pattern Making OR Graduation with 3 Year of relevant industry experience in Pattern Making OR Post graduate diploma with 2 Year of relevant industry experience in Pattern Making OR Post Graduate with 1 Year of relevant industry experience in Pattern Making
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 Pattern Making OR Diploma with 4 Year of relevant industry experience in Pattern Making OR Graduation with 3 Year of relevant industry experience in Pattern Making OR Post graduate diploma with 2 Year of relevant industry experience in Pattern Making

		OR Post Graduate with 1 Year of relevant industry experience in Pattern Making
2.	**Proctor's Qualification and experience in relevant sector (in years)** *(as per NCVET guidelines)*	ITI with 4 Year of relevant industry experience in Pattern Making OR Diploma with 4 Year of relevant industry experience in Pattern Making OR Graduation with 3 Year of relevant industry experience in Pattern Making OR Post graduate diploma with 2 Year of relevant industry experience in Pattern Making OR Post Graduate with 1 Year of relevant industry experience in Pattern Making
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 Pattern Making OR Diploma with 4 Year of relevant industry experience in Pattern Making OR Graduation with 3 Year of relevant industry experience in Pattern Making OR Post graduate diploma with 2 Year of relevant industry experience in Pattern Making OR Post Graduate with 1 Year of relevant industry experience in Pattern Making
4.	**Assessment Mode** *(Specify the assessment mode)*	**Offline**
5.	**Tools and Equipment Required for Assessment**	☒ Same as for training ☐ Yes ☐ No *(details to be provided in Annexure-if it is different for Assessment)*

Section 5: Evidence of the need for the Qualification

Provide Annexure/Supporting documents name.

1.	**Latest Skill Gap Study (not older than 2 years) (Yes/No):** Yes
2.	**Latest Market Research Reports or any other source (not older than 2 years) (Yes/No):** Yes
3.	**Government /Industry initiatives/ requirement (Yes/No):** Yes
4.	**Number of Industry validation provided:** 30
5.	**Estimated nos. of persons to be trained and employed:** 100
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 *(Mandatory)*	NCrF/NSQF level justification based on NCrF level/NSQF descriptors
2.	**Annexure:** List of tools and equipment relevant for qualification *(Mandatory, except in case of online course)*	List of tools and equipment relevant for qualification
3.	**Annexure:** Detailed Assessment Criteria *(Mandatory)*	Detailed Assessment Criteria
4.	**Annexure:** Assessment Strategy *(Mandatory)*	Assessment Strategy
5.	**Annexure:** Blended Learning *(Mandatory, in case selected Mode of delivery is "Blended Learning")*	*Offline Learning Mode*
6.	**Annexure:** Multiple Entry-Exit Details *(Mandatory, in case qualification has multiple Entry-Exit)*	*NA*
7.	**Annexure:** Acronym and Glossary *(Optional)*	Acronym and Glossary
8.	**Supporting Document:** Model Curriculum *(Mandatory – Public view)*	Model Curriculum
9.	**Supporting Document:** Career Progression *(Mandatory - Public view)*	Career Progression
10.	**Supporting Document:** Occupational Map *(Mandatory)*	Occupational Map
11.	**Supporting Document:** Assessment SOP *(Mandatory)*	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	• The skill of Advance Pattern Maker CAD/CAM requires him develop the patterns using CAD/CAM . • He is required to know measurement techniques, fabrics, basic patterns and the garments. • According to the techpack and the garment construction method to be followed.	**Possesses broad and deep knowledge and skills to solve problems in specialized fields.** • The skill of a Advance pattern Maker requires him to do research and be aware of the pattern making process	5
Professional and Technical Skills/ Expertise/ Professional Knowledge	• Advance Pattern Maker CAD/CAM should be aware of the basic pattern techniques , garment construction , fabrics ,computer	**Excellent cognitive skills and technical prowess utilized to perform complex tasks with ease, project management expertise, and adept at**	5

	knowledge, size charts and policies of the company. • He should know how to operate the CAD/CAM, draft pattern on it, cut ration plan, grading using , lay planning And basic troubleshooting of the computer system.	**data analysis for informed decision making.** • A Advance pattern Maker should be able to create/visualise an idea and produce a design by hand or using computer softwares like Corel Draw etc.	
Employment Readiness & Entrepreneurship Skills & Mind-set/Professional Skill	• Advance Pattern Maker CAD/CAM plans and organizes work to achieve targets and deadlines. • He plans processes and encourage interchange of ideas/designs. • He should be able to identify the faults in equipment and process and the ways to rectify them. • He assess /evaluate design processes and communicate effectively within the workplace. • He analyzes the marker lay and specification sheet and passes on relevant information to others. • He provides opinions on work in a detailed and constructive way • He needs to take appropriate decisions related to responsibilities and practice a customer service oriented approach. • He solves operational role related issues. • He should raise alarm and Identify & report any malfunctions in machineries, services, chemical leaks	**A versatile professional with excellent communication, digital and financial literacy, ethical values, self-management and may have entrepreneurial mindset.** • A Advance pattern Maker plans processes and encourages, interchanges ideas/designs	
Broad Learning Outcomes/Core Skill	• Advance Pattern Maker CAD/CAM reads and follows manuals/procedures/an d compliance policies . • He constantly updates himself with modifications in quality parameters through written print and mail communication (digital). • He can read and interprets Spec Sheets, Bill of Material, incorporate the shrinkage and listens effectively and orally communicate information accurately to his superiors and	**A skilled professional with technical expertise, adept at solving complex problems and improving output.** • A Advance Pattern Maker should be able to communicate with others in the company and to clients in writing and follow guidelines/procedures /rules and service level agreements.	5

	juniors. • He seeks advise from his seniors regarding quality requirement. • He responds to the emergencies, accidents or fire at the workplace and evacuate the premises and help others in need while doing so. • He values physical fitness, personal hygiene and good habits		
Responsibility	• The advance pattern maker uses the CAD system to recreate the pattern design techniques by transferring ideas to the computer, digitizing and modifying patterns and also the use of CAM to get the patterns and lays cut out in the actual sizes. • He is responsible for his work and learning and some responsibility and learning of people under him.	**Highly skilled Technical Supervisor responsible for achieving tangible outcomes, managing change, building teams, and mentoring the workforce.** • The responsibility of a Advance pattern Maker to development pattern as per the market trend or buyer needs.	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	White/Black Board+ Marker/Chalk +Duster		1
2	Computer With Computer Table And Chair and peripherals	CAD/CAM set up	1
3	pattern making software		1
4	marker making software		1
5	Digitizer	depending on cad/cam set up	1
6	Cello tape		5
7	Plotter		1
8	Plotter paper	depending on cad/cam set up	1
9	Plotter pen		1
10	Plotter ink		1
11	Scanning equipment		1

12	Style sheet (provided by buyer)		1
13	measurement chart /Grading chart (mentioned in BOM)		30
14	Garment , made-ups and home furnishing Sample	assorted	3
15	Production & Ready Pattern		1
16	Types Of Scales, normal straight big ruler, hip curve, leg curve, L Scale, French curve		1
17	measurement Ruler (inches on one side and millimeters on the other side made of Plastic, Acrylic or metal)		1
18	measuring tape		30
19	Basic stationary		30
20	Pattern Making Paper. Tracing paper	1 roll each	2
21	Pattern plastic roll (used to create long lasting, durable, and flexible patterns)		1
22	First aid box		1
23	Kraft Underlay Paper(qnt may vary)		2
24	Kraft Pattern Paper (used to prepare initial pattern, qnt may vary)		2
25	Dotted marking paper (qnt may vary)		2
26	Push pins		5
27	shears		30
28	Scissors Fabric Cutting		2
29	Pattern hooks (The quantity may vary as per requirement)		1
30	Pattern Notchers / Notch Cutters		15
31	Pattern Punches (The quantity may vary)		1
32	underarm sleeve rules		1
33	student's Chair With Table Arm		30
34	Teacher's Table & Chair		1
35	Pattern Table		1
36	cutting table	according to machine	1
37	Stool		15
38	Students Notes		30
39	Dustbin		1
40	Samples(garments, made ups and home furnishing)	assorted	3
41	Fire Extinguisher		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.

S.No	Organization	Name of Representative	Designation	State	Email Id	Contact number
1	Raymond	Chinappa Reddy	Senior Manager- Product Development	Maharashtra	chinappareddy@raymond.in	9833024241
2	Shahi Exports	Anjani Kumar Mishra	Manager Trainings and Development	Haryana	anjani.mishra@shahi.co.in	7739404959
3	LUX Industries	Buvana M	HR Manager	Tamilnadu	info@luxinnerwear.com	+913340402121
4	RBR Garment private limited	P Kartikeyan	Manager HR and Admin	Tamilnadu	reach@rbrindia.com	9626244447
5	Fashionknits	Nushrath R.	HR Manager	Tamilnadu	nusrathr@fashionknits.net	0421-4337473
6	AR Enterprises	Rajiv Kumar	Director	Punjab	NA	9872985505
7	Ammaiyappar Tex	A Bala.	HR-Admin	Tamilnadu	vhktex@yahoo.co.in	08056262651
8	Vardhman Nishimbo	Richika Rana	HR Manager	Punjab	dlsharma@vardhman.com	081466 25707

9	Aathava Garments pvt ltd.	Ganesh Kumar J	Manager	Tamilnadu	info@aathavagarments.com	0422-2565716
10	CMV Global Clothings	A Vallargu	Sr. HR Manager	Tamilnadu	info@cmvglobalclothings.com	08098201090
11	Cotton Blossom	Sashi Kumar K	HR Manager	Tamilnadu	info@cotonblossom.org	0421 4349 100
12	Trident	Nasreen Ahmed	Head Product Development	Punjab	nasreenshmed@tridentindia.com	9878999237
13	SHRI HARI PROCESS	Shanmugam Ramasamy	Admin Manager	Tamilnadu	infra@cibiintl.com	04294225426
14	SRI ARUL TEX	SELLAPPA GOUNDER	Director	Tamilnadu	srinu_ca2002@yahoo.co.in	098425 99455
15	DHANA TEXTILES	MUTHUSAMY DHANABALAN	Director	Tamilnadu	madhavan707@gmail.com	8048372427
16	JEGA GARMENTS	Murugan Cibi	Admin	Tamilnadu	murugan.cibi@gmail.com	9688277455
17	Rubrics Exports	Ganpathi R	HR Manager	Tamilnadu	rubricexports@hotmail.com	8048372003
18	Bayport	Amit Sharma	Category Head	Ahmedabad	amitsharma@bayport.com	9582038033
19	BEST Corporation	S Seshathri	President	Tamilnadu	best@bestcorp.in	421398 0000
20	Little BABA Oswal	Keshav Singh	Manager	Punjab	NA	08872994443
21	RUSTA	Amitoj Bal	Sourcing Manager	Delhi	Amitoj.bal@rusta.com	9873000263
22	Orient Fashion	Gagan	HR Manager	Delhi	gagan@ocfit.in	9991840624
23	Sahu Exports	D Kumar	Manager	Delhi	dkumar@sahuexports.com	8048372919
24	Toram Creations	Karthik R	Key Accounts Manager	Tamilnadu	we@toram.in	98946 64599
25	SK COTTON	Vaibhav Vaishnav	Managing Director	Maharashtra	skumarcot@gmail.com	8788053726
26	SNQS International Pvt Ltd.	N Balamurgan	General Manager	Tamilnadu	logu@snqsintl.com	0421-4390000
27	CTA Apparels	Sridhar	HR Manager	Delhi	sridhar@ctaapparels.com	0120 478 5330
28	KGI CLOTHING	Mr Murugan	HR Manager	Andhra pradesh	info@kgiclothing.in	09176660000
29	MSR Garments	K Suresh	HR Manager	Andhra Pradesh	suresh@msrgarments.com	089390 44650
30	Network Clothing	Suresh H	HR Head	Tamilnadu	network@md2.vsnl.net.in	0421 226 2022

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	30	19	24	16	NA	NA
2024	30	19	26	16	NA	NA
2025	40	20	27	17	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	26	26	25	17	24	24	24	16	NA	NA	NA	NA
Version 1.0	2021	25	24	24	16	23	23	23	15	NA	NA	NA	NA
Version 1.0	2020	23	23	23	15	22	22	21	14	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/N0103: Maintain health, safety and secure work place with Gender and PwD Sensitization					
PC	**Assessment Criteria for Outcomes**	**Theory Marks**	**Practical Marks**	**Project Marks**	**Viva Marks**
PC1	Comply with health, safety gender and PwD (People with disability) related instructions applicable to the workplace.	**4**	**2**	**-**	**1**
PC2	Actively participate in mock drills/evacuation procedures and group discussions related to a safe and secure work place.	**4**	**2**	**-**	**1**
PC3	Training sensitization programs for gender and PwD awareness organized at the workplace.	**4**	**2**	**-**	**1**
PC4	Use and maintain materials and equipment as per protocol.	**3**	**2**	**-**	**1**
PC5	Capable to perform first-aid, firefighting or any other emergency response procedures and follow organization procedures for shutdown and evacuation when required	**4**	**2**	**-**	**1**
PC6	Monitor the work place and processes for potential risks/ threats to supervisors or other authorized personnel and ensure gender equality and PwD (People with disability) security.	**3**	**2**	**-**	**1**
	NOS Total	**22**	**12**		**6**
AMH/N1101: Pattern development through CAD/CAM					
PC	**Assessment Criteria for Outcomes**	**Theory Marks**	**Practical Marks**	**Project Marks**	**Viva Marks**
PC1	Downloading and organizing informationobtained by designer/buyer	1	5	-	1
PC2	Analyzing specific information and translating according to company procedure	1	6	-	1
PC3	Coordinate with merchandiser to ensure clarity of information and resolve any possiblemisinterpretations	1	1	-	1
PC4.	Draft the pattern or digitize the manual pattern on the CAD software as per specification given	6	30	-	3

PC5.	Adjust the pattern specifications as per the standard and allowances required	4	9	-	1
PC6.	Incorporate shrinkage and perform size wise grading of patterns as provided in the BOM (bill of material)	8	23	-	3
PC7.	Determine the cut ratio plan	4	9	-	2
PC8.	Perform the most efficient marker (lay planning) according to the configuration intended	3	12	-	1
PC9.	Set parameters on CAM as per required output	1	10	-	1
PC10.	Ensure the design output is cut and hand over to the next department	1	5	-	1
PC11.	Ensure the work is saved as a back-up before shutting down the CAD machine	2	4	-	1
PC12.	Take printout of mini marker to be handed over to the merchandiser, for reference	2	6	-	1
PC13.	Shut down, after every use, the CAD/CAM system carefully and in accordance with company instructions.	2	6	-	1
	NOS TOTAL	**36**	**126**	**-**	**18**
AMH/N1102: Maintenance of work area, machinery, tools and equipment					
PC	**Assessment Criteria for Outcomes**	**Theory Marks**	**Practical Marks**	**Project Marks**	**Viva Marks**
PC1	Handle materials, equipment, computer and software safely and correctly to maintain a clean and hazard free working area and support adaptation to more environmentally friendly processes	1	5	-	0.5
PC2	Use correct handling procedures and maintain tools and equipment; and inculcate sustainable consumption practices and offer relevant greening solutions	2	10	-	1
PC3	Work in comfortable position and maintain correct posture	2	10	-	1
PC4	Deal with work interruptions effectively	1	1	-	0.5

PC5	Carry out running maintenance and/or cleaning within one's responsibility and agreed schedules	3	15	-	0.5
PC6.	Report unsafe equipment and other dangerous occurrences to concerned personnel	1	-	-	1
PC7.	Use cleaning equipment and methods appropriate for the work to be carried out	2	5	-	1
PC8.	Request for upgrading of system or software when required for effective working	1	-	- -	0.5
PC9.	Always maintain a backup file when working on various design software	2	5	-	1
PC10.	All soft copies of design work to be maintained in files as well for future reference	1	5	-	1
	NOS Total	**16**	**56**	**-**	**8**

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

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