

QUALIFICATION FILE

Carpenter

☒ 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: 4.5

Submitted By:

Furniture and Fittings Sector Skill Council

Chief Executive Officer

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Section 1: Basic Details

1.	Qualification Name	Carpenter																																		
2.	Sector/s	Interiors, Furniture and Fixtures																																		
3.	Type of Qualification: ☐ New ☒ Revised ☒ Has Electives ☐ OEM	NQR Code & version of existing qualification: 2022/WC/FFSC/06700	Qualification Name of existing version: Carpenter (FFS/Q2203, V2.0)																																	
4.	National Qualification Register (NQR) Code & Version	QG-4.5-WC-00829-2023-V2-FFSC	5. NCrF/NSQF Level: 4.5																																	
6.	Award (Certificate/ Diploma/ Advance Diploma/ Any Other)	Certificate																																		
7.	Brief Description of the Qualification	The Carpenter plays the role of conducting physical site surveys and recce of the worksite. The person is responsible for reading and interpreting blueprints, drawings, and sketches to determine specifications and calculate requirements while making suitable preparations for the worksite. The individual will perform measuring, cutting, shaping, assembly, joining, and installing materials made of wood and wood substitutes into finished products using various hand tools and machines.																																		
8.	Eligibility Criteria for Entry for Student/ Trainee/ Learner/ Employee	a. Entry Qualification & Relevant Experience: <table border="1"> <thead> <tr> <th>S. No.</th> <th>Academic/Skill Qualification</th> <th>Required Experience</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Completed 1st year of 3-year/ 4-years UG</td> <td>NA</td> </tr> <tr> <td>2</td> <td>Pursuing 1st year of 3-year/ 4-years UG and continuing education</td> <td>NA</td> </tr> <tr> <td>3</td> <td>Pursuing 3rd year of 3-year diploma after Grade 10 and continuing education</td> <td>NA</td> </tr> <tr> <td>4</td> <td>Completed 3-year diploma after Grade 10</td> <td>NA</td> </tr> <tr> <td>5</td> <td>Completed 1st year of 2-year diploma after Grade 12</td> <td>NA</td> </tr> <tr> <td>6</td> <td>Pursuing 2nd year of 2- year diploma after Grade 12 and continuing education</td> <td>NA</td> </tr> <tr> <td>7</td> <td>Grade 12 Pass</td> <td>1 year of relevant experience</td> </tr> <tr> <td>8</td> <td>Grade 10 pass with 2 years of any combination of NTC/NAC/CITS or equivalent</td> <td>1 year of relevant experience</td> </tr> <tr> <td>9</td> <td>Grade 10 pass</td> <td>3 years of relevant experience</td> </tr> <tr> <td>10</td> <td>Previous relevant Qualification of NSQF Level 4.0 (Assistant Carpenter)</td> <td>3 years of relevant experience</td> </tr> </tbody> </table> b. Age: 18 years (minimum)		S. No.	Academic/Skill Qualification	Required Experience	1	Completed 1 st year of 3-year/ 4-years UG	NA	2	Pursuing 1 st year of 3-year/ 4-years UG and continuing education	NA	3	Pursuing 3 rd year of 3-year diploma after Grade 10 and continuing education	NA	4	Completed 3-year diploma after Grade 10	NA	5	Completed 1 st year of 2-year diploma after Grade 12	NA	6	Pursuing 2 nd year of 2- year diploma after Grade 12 and continuing education	NA	7	Grade 12 Pass	1 year of relevant experience	8	Grade 10 pass with 2 years of any combination of NTC/NAC/CITS or equivalent	1 year of relevant experience	9	Grade 10 pass	3 years of relevant experience	10	Previous relevant Qualification of NSQF Level 4.0 (Assistant Carpenter)	3 years of relevant experience
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9.	Credits Assigned to this Qualification, Subject to Assessment	44	10. Common Cost Norm Category (I/II/III): II																					
11.	Any Licensing requirements for Undertaking Training on This Qualification	Not Applicable																						
12.	Training Duration by Modes of Training Delivery	☐ Offline ☐ Online ☒ Blended																						
		<table border="1"> <thead> <tr> <th>Training Delivery Modes</th> <th>Theory (Hours)</th> <th>Practical (Hours)</th> <th>OJT Mand. (Hours)</th> <th>OJT Recom. (Hours)</th> <th>Total (Hours)</th> </tr> </thead> <tbody> <tr> <td>Classroom (offline)</td> <td>172</td> <td>463</td> <td>560</td> <td>0</td> <td>1195</td> </tr> <tr> <td>Online</td> <td>74</td> <td>51</td> <td>0</td> <td>0</td> <td>125</td> </tr> </tbody> </table>					Training Delivery Modes	Theory (Hours)	Practical (Hours)	OJT Mand. (Hours)	OJT Recom. (Hours)	Total (Hours)	Classroom (offline)	172	463	560	0	1195	Online	74	51	0	0	125
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Online	74	51	0	0	125																			
13.	Aligned to NCO/ISCO Code/s	NCO-2015/7115.0300																						
14.	Progression path after attaining the qualification	Professional Progression (Vertical): Master Carpenter (NSQF Level 5) The occupational map is attached as an annexure which shows the professional progression. Academic Progression (Vertical): Courses on Woodworking at NSQF Level 5 (UG/Diploma/Ad. Diploma Courses)																						
15.	Other Indian languages in which the Qualification & Model Curriculum are being submitted	Hindi																						
16.	Is similar Qualification(s) available on NQR-if yes, justification for this qualification	☐ Yes ☒ No URLs of similar Qualifications:																						
17.	Is the Job Role Amenable to Persons with Disability	☒ Yes ☐ No If "Yes", specify applicable type of Disability: - Acid Attack Victims - Speech and Language Disability																						

18.	How Participation of Women will be Encouraged	A short-term course of Carpenter can be instrumental in increasing their participation of women in the informal furniture sector. By empowering women with valuable carpentry skills, the course helps build their confidence and independence in a traditionally male-dominated field. It challenges gender stereotypes, breaking down barriers that hinder women's involvement in trades. The course provides women with access to economic opportunities, as they gain marketable skills for employment or entrepreneurship in the furniture industry. The course enhances the sector's creativity, innovation, and competitiveness by promoting diversity and inclusivity. Overall, the course empowers women, promotes gender equality, and contributes to the growth and development of the informal furniture sector.	
19.	Are Greening/ Environment Sustainability Aspects Covered	☒ Yes ☐ No Covered under the NOS: FFS/N8203 – Maintain health, safety, and greening practices at the worksite Module Name: Material conservation and resource optimization	
20.	Is Qualification Suitable to be Offered in Schools/Colleges	Schools ☐ Yes ☒ No Colleges ☒ Yes ☐ No	
21.	Name and Contact Details of Submitting/ Awarding Body SPOC	Name: Mr. Rahul Mehta Email: ceo@ffsc.in Contact No.: +91 124 4513900 Website: ffsc.in	
22.	Final Approval Date by NSQC: 31/08/2023	23. Validity Duration: 3 years	24. Next Review Date: 31/08/2026

Section 2: Module Summary

NOS/s of Qualifications

(In exceptional cases these could be described as components)

Mandatory NOS/s:

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

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

S. No	NOS/ Module Name	NOS/ Module Code & Version	Core/ Non-Core	NCrF/ NSQF Level	Credits per NCrF	Training Duration (Hours)					Assessment Marks					
						Th.	Pr.	OJT-Man.	OJT-Rec.	Total	Th.	Pr.	Proj.	Viva	Total	Weig. (%)
1	Bridge Module 1	Version No. 3	Core	4.5	1	14	16	0	0	30	NA	NA	NA	NA	NA	NA
2	Assist in client coordination, team supervision, and quality check of the project	NOS Code: FFS/N2210 Version No. 3	Core	4.5	1	12	18	0	0	30	11	28	56	5	100	15
3	Ensure proper material management and preparation of the worksite	NOS Code: FFS/N2211 Version No. 3	Core	4.5	2	20	40	0	0	60	17	32	40	11	100	15
4	Set-out, mark and fabricate the various components of the products at worksite	NOS Code: FFS/N2212 Version No. 3	Core	4.5	3	30	60	0	0	90	9	40	42	9	100	15
5	Perform assembly, finishing and installation of different components of the product at the worksite	NOS Code: FFS/N2213 Version No. 3	Core	4.5	3	24	66	0	0	90	15	36	40	9	100	20
6	Maintain health, safety, and greening practices at the worksite	NOS Code: FFS/N8203 Version No. 3	Non-Core	5	1	12	18	0	0	30	16	24	48	12	100	5
7	Employability Skills (60 Hours)	NOS Code: DGT/VSQ/N0102 Version No. 1	Non-Core	4	2	30	30	0	0	60	20	30	0	0	50	5
8	Bridge Module 2	Version No. 3	Core	4.5	1	6	24	0	0	30	0	NA	NA	NA	NA	NA
Duration (in Hours) / Total Marks					14	148	272	0	0	420	88	190	226	46	550	75

Electives:

S. No	NOS/Module Name	NOS/Module Code & Version	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	Weight age (%)
1	Perform fabrication, assembly, and installation of Wooden Doors and Windows with Frames	NOS Code: FFS/N2214 Version No. 3	Core	4.5	6	20	40	120	0	180	22	30	28	20	100	25
2	Perform fabrication, assembly, and installation of Wooden Cladding and Panelling	NOS Code: FFS/N2215 Version No. 3	Core	4.5	4	12	28	80	0	120	15	38	38	9	100	25
3	Perform fabrication, assembly, and installation of Wooden Flooring	NOS Code: FFS/N2216 Version No. 3	Core	4.5	4	12	28	80	0	120	13	25	50	12	100	25
4	Perform fabrication, assembly, and installation of Kitchen, Cabinets, and Beds	NOS Code: FFS/N2217 Version No. 3	Core	4.5	6	24	56	100	0	180	12	26	54	8	100	25
5	Perform fabrication, assembly, and installation of a Wooden House Structure	NOS Code: FFS/N2218 Version No. 3	Core	4.5	6	16	44	120	0	180	16	24	48	12	100	25
6	Perform General Repairs and Maintenance of the furniture at the worksite	NOS Code: FFS/N2219 Version No. 3	Core	4.5	4	20	40	60	0	120	14	32	48	6	100	25
Duration (in Hours) / Total Marks					30	104	236	560	0	900	92	175	266	67	600	25

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

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

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

Section 3: Training Related

1	Trainer's Qualification and experience in the relevant sector (in years)	A trainer should be eligible in any of below mentioned categories: Scenario 1: Graduate ○ Engineering, Architecture, Interior Design, Furniture Manufacturing, Wood Work, Product Design or Any other Discipline with 5 years' experience (Industry) ○ Preferred: • 1-year experience (Teaching) • Additional Certification related to specialization in furniture or interior design sector (Software like AutoCAD, etc.), Communication Skills Scenario 2: I.T.I ○ Carpentry, Furniture Manufacturing with 6 years' experience (Industry) ○ Preferred: • 1-year experience (Teaching) • Additional Certification related to specialization in furniture or interior design sector (Software like AutoCAD, etc.), Communication Skills Scenario 3: Diploma ○ Carpentry, Furniture Manufacturing with 6 years' experience (Industry) ○ Preferred: • 1-year experience (Teaching) • Additional Certification related to specialization in furniture or interior design sector (Software like AutoCAD, etc.), Communication Skills Scenario 4: Certificate-NSQF a. NSQF Level 4.5- Carpenter (FFS/Q2203) with 4 years' relevant experience (Industry), • Required: ○ Work Experience and Recommendation letter from Employer, Certificates of Training from companies
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		• Preferable: ○ 1 year experience (Teaching) ○ Additional Certification related to specialization in architecture or interior design sector (Software like AutoCAD, etc.), Communication Skills. b. NSQF Level 5- Master Carpenter (FFS/Q2204) or above with 3 years' relevant experience (Industry) • Required: ○ Work Experience and Recommendation letter from Employer, Certificates of Training from companies • Preferable: ○ 1 year experience (Teaching) ○ Additional Certification related to specialization in architecture or interior design sector (Software like AutoCAD, etc.), Communication Skills Scenario 5: CITS ○ CITS (Relevant CITS Course) with 5 years' experience (Industry) ○ Preferred: • 1-year experience (Teaching) • Additional Certification related to specialization in furniture or interior design sector (Software like AutoCAD, etc.), Communication Skills
2	Master Trainer's Qualification and experience in the relevant sector (in years)	Graduate (In any field) with minimum 5 years of relevant experience
3	Tools and Equipment Required for Training	☒ Yes ☐ No The detailed tools list is attached in Annexure 2
4	In Case of Revised Qualification, Details of Any Upskilling Required for Trainer	This qualification is revised based on the NCrF framework with the compulsory module of employability skills. The candidates can enroll into a 3-day workshop to upskill themselves based on the new components of the revised qualification and get the desired certifications done.

Section 4: Assessment Related

1.	Assessor's Qualification and experience in relevant sector (in years)	An assessor should be eligible in any of below mentioned categories: Scenario 1: Graduate ○ Engineering, Architecture, Interior Design, Furniture Manufacturing, Wood Work, Product Design or Any other Discipline with 5 years' experience (Industry) ○ Preferred: • 1-year experience (Teaching) • Additional Certification related to specialization in furniture or interior design sector (Software like AutoCAD, etc..), Communication Skills Scenario 2: I.T.I ○ Carpentry, Furniture Manufacturing with 6 years' experience (Industry) ○ Preferred: • 1-year experience (Teaching) • Additional Certification related to specialization in furniture or interior design sector (Software like AutoCAD, etc..), Communication Skills Scenario 3: Diploma ○ Carpentry, Furniture Manufacturing with 6 years' experience (Industry) ○ Preferred: • 1-year experience (Teaching) • Additional Certification related to specialization in furniture or interior design sector (Software like AutoCAD, etc..), Communication Skills Scenario 4: Certificate-NSQF c. NSQF Level 4.5- Carpenter (FFS/Q2203) with 4 years' relevant experience (Industry), • Required: ○ Work Experience and Recommendation letter from Employer, Certificates of Training from companies • Preferable: ○ 1 year experience (Teaching) ○ Additional Certification related to specialization in architecture or interior design sector (Software like AutoCAD, etc..), Communication Skills. d. NSQF Level 5- Master Carpenter (FFS/Q2204) or above with 3 years' relevant experience (Industry) • Required: ○ Work Experience and Recommendation letter from Employer, Certificates of Training from companies • Preferable:
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		○ 1 year experience (Teaching) ○ Additional Certification related to specialization in architecture or interior design sector (Software like AutoCAD, etc.), Communication Skills Scenario 5: CITS ○ CITS (Relevant CITS Course) with 5 years' experience (Industry) ○ Preferred: • 1-year experience (Teaching) • Additional Certification related to specialization in furniture or interior design sector (Software like AutoCAD, etc..), Communication Skills
2.	Proctor's Qualification and experience in relevant sector (in years)	Graduate (In any field) with minimum 3 years of relevant experience
3.	Lead Assessor's/Proctor's Qualification and experience in relevant sector (in years)	Graduate (In any field) with minimum 5 years of relevant experience
4.	Assessment Mode	Components might be Online, Offline, or Blended, depending on the location where the evaluation is being carried out.
5.	Tools and Equipment Required for Assessment	☒ Same as for training ☐ Yes ☐ No

Section 5: Evidence of the need for the Qualification

1.	Latest Skill Gap Study (not older than 2 years) (Yes/No): No FFSC had conducted the research, analysis, and assessment of the skill gaps in the Interiors, Furniture, and Allied sectors. The report was published in year 2016 and is valid up to 2025 providing a comprehensive analysis of skill gaps and manpower requirement in specific occupations and job role categories. The report can be accessed through Link: Click here Along with this, FFSC has also developed its own indigenous LMS portal- FFSC T:AJ. FFSC T:AJ is a one-stop solution for skilled manpower for interiors, furniture, and allied industries. The job portal is customized per the industry's Occupation Map (OM) to facilitate properly aggregating job and apprenticeship opportunities. The portal offers unique features for employers and candidates to provide the ideal solution for demand aggregation and supply matching. It also facilitates the identification of skill gap and requirement in the industry and relevant sectors on periodic intervals. FFSC T:AJ can be assessed through: https://ffsctaj.in/
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2.	Latest Market Research Reports or any other source (not older than 2 years) (Yes/No): Yes The following key research documents are available in the public domain: 1. Strategic Roadmap for Furniture Sector of India by IKEA (Link for Report) 2. India – Potential as a Global Furniture Hub by BCG (Link for Report)
3.	Government /Industry initiatives/ requirement (Yes/No): Yes The Indian Interiors, Furniture, and Fittings industry is a rapidly growing sector of the country's economy. In 2018, the Government of India recognized the furniture industry as a 'Champion Sector', leading to an increase in its import and exports to promote the sector further. To capitalize on this, the government is creating furniture hubs within certain locations within the country to cater to the local customer base. Demand within the industry has increased significantly, with trends going along the lines of stylish fixtures with minimalist designs, amongst other customizations. Improvements in the quality of these goods, its universal accessibility, and upgradation in the industry standards will only further boost the demand within the sector. Organic materials like wood and new, aesthetically more diverse, and adjustable materials like cement, corrugated cardboard, and concrete have also emerged in the Indian market recently to stay in alignment with redesigned trends. In order to secure good growth within the sector, there is a need to train and teach traditional carpenters and designers and cater to meeting specific occupational standards to improve the quality of the product the industry provides. Also, to promote future skills within the industry, FFSC has been developing job role-specific standards to skill, upskill and re-skill the workforce in the industry. Apart from this, Indigenous Center for Excellence are being set up throughout India to boost entrepreneurship opportunities. This also provides more access to job seekers, especially women, to get wage employment.
4.	Number of Industry validation provided: 31 (Details in Annexure 3)
5.	Estimated nos. of persons to be trained and employed: Refer to Annexure 4
6.	Evidence of Concurrence/Consultation with Line Ministry/State Departments: Yes, the Line ministry concurrence was received during approval process.

Section 6: Annexure & Supporting Documents Check List

1.	Annexure: NCrF/NSQF level justification based on NCrF level/NSQF descriptors	Refer to Annexure 1
2.	Annexure: List of tools and equipment relevant for qualification	Refer to Annexure 2
3.	Annexure: Industry Validations Summary	Refer to Annexure 3
4.	Annexure: Training and Employment Details	Refer to Annexure 4
5.	Annexure: Blended Learning	Refer to Annexure 5
6.	Annexure: Detailed Assessment Criteria	Refer to Annexure 6
7.	Annexure: Assessment Strat	Refer to Annexure 7
8.	Annexure: Multiple Entry-Exit Details	<i>Not Applicable</i>
9.	Annexure: Acronym and Glossary	Refer to Annexure 8
10.	Supporting Document: Model Curriculum	Attached as a separate document in the Qualification Approval Docket
11.	Supporting Document: Career Progression	Attached as a separate document in the Qualification Approval Docket
12.	Supporting Document: Occupational Map	Attached as a separate document in the Qualification Approval Docket
13.	Supporting Document: Assessment SOP	Attached as a separate document in the Qualification Approval Docket

Annexure 1: 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	Following are the few processes wise key requirements of the job role: • Assist in client coordination, team supervision, and quality check of the project • Interpret project requirements • Assist in planning and prioritizing work activities • Ensure proper resource management at the worksite • Ensure the worksite preparation for fabrication, assembly, finishing and installation process	As mentioned in the key requirements, the person carries out the different tasks repetitively on a routine basis. The tasks are predictable in nature. The job requirements match with the NSQF level 4.5 descriptor. Hence the level is pegged at 4.5.	4.5
Professional and Technical Skills/ Expertise	Following are the few professional knowledge requirements of the job role: • About different tools and hardware, terminology, pictorial representation, symbols etc. • Basics of preparing and interpreting 2D/ 3D drawings, terminology, pictorial representation, symbols etc. related to architectural drawings and specifications • Correct use of handling tools, equipment, hardware and fittings in the assembly and installation process • Process of handling and stacking different types of materials, tools and equipment • Different types of storage appropriate to the type of material, tools and equipment • Packing methods for each material • Health, safety norms at workplace • Waste disposal procedures and guidelines • Standard process and principle of various operations of the worksite	According to the key requirements, the person the person should have knowledge about basic facts, process and principle applied in the job role. The job requirements match with the NSQF level 4.5 descriptor. Hence, the level is kept as 4.5.	4.5

Employment Readiness & Entrepreneurship Skills & Mind-set/Professional Skill	Following are the few professional skills required for the job role: • Preparation of the work area for recce • Identification and maintenance of the tools and materials • Ensure the execution of various stages involved in project execution, from client interaction to the project handover • Identification of suitable timber based on type, requirement, coding, area of application etc. • Measurement and marking the timber and timber-based materials • Making joints and assembly of the products • Finishing of the surface of the product • Installation of the product as per the design • Working at the workplace as per the guideline	The person demonstrates his/ her practical skills, which are routine and repetitive in a narrow range of applications. The job requirements match with the NSQF level 4.5 descriptor. Hence the level is kept at 4.5	4.5
Broad Learning Outcomes/Core Skill	The job role demands that the person should be able to understand and possess the skills such as: • Read and understand the measurements, understands instructions and standard operating procedures • Understand basic principles of measurement, geometry, and arithmetic and algebraic calculation • Read and understand company policy documents; information displayed at the worksite • Communicate with team members and supervisor • Understands basics of banking • Identify risks that affect the health, safety, and environment for self and others while working in the vicinity	The person understands the basic arithmetic and algebraic principle, personal financing, and basic understanding of social and natural environments. He/she is able to communicate by writing and speaking. The job requirements match with the NSQF level 4.5 descriptor. Hence the level is kept at 4.5	4.5
Responsibility	Few of the key responsibilities: • Work constructively and collaboratively with others • Apply domain knowledge/ information and assess day to day tasks through experience and observation • Use reasoning skills to make appropriate decisions and troubleshoot concerns related to own responsibilities	The person works under instruction and close supervision. The person has some responsibility for his/ her work. The job requirements match with the NSQF level 4.5 descriptor. Hence the level is kept at 4.5	4.5

Annexure 2: Tools and Equipment (Lab Set-Up)

List of Tools and Equipment

Batch Size: 20 candidates

S. No.	Tool/Equipment	Specifications	Quantity for specified Batch size
1	Heavy Machinery	Type: Various heavy machinery for carpentry projects	1
2	Band saw 900 watt	Power: 900 watts	1
3	Portable Dust Collector	Type: Portable dust collector	3
4	Panel- 8x4- 16mm	Material: Wood, Size: 8x4 feet, Thickness: 16mm	5
5	Panel- 8x4- 9mm	Material: Wood, Size: 8x4 feet, Thickness: 9mm	5
6	Wood for Project- In CFT	Measurement: Cubic feet (CFT)	20
7	Modular Furniture- P2	Type: Modular furniture, Grade: P2	
8	Modular Furniture- P1	Type: Modular furniture, Grade: P1	5
9	Rubber Gloves	Type: Heavy-duty rubber gloves	5
10	Tack Cloth	Type: Tack cloth	20
11	Jig Saw with blade (Bosch/ Makita/ Dewalt etc.)	Type: Electric jig saw	2
12	Saw Blade- 40 Teeth	Type: Saw blade, Teeth: 40	2
13	Saw Blade- 80 Teeth	Type: Saw blade, Teeth: 80	2
14	Disk Sanding Paper (Velcro)- 380 Grit	Type: Sanding paper, Grit: 380	2
15	Disk Sanding Paper (Velcro)- 320 Grit	Type: Sanding paper, Grit: 320	1
16	Disk Sanding Paper (Velcro)- 280 Grit	Type: Sanding paper, Grit: 280	1
17	Disk Sanding Paper (Velcro)- 220 Grit	Type: Sanding paper, Grit: 220	1
18	Disk Sanding Paper (Velcro)- 180 Grit	Type: Sanding paper, Grit: 180	1
19	Disk Sanding Paper (Velcro)- 120 Grit	Type: Sanding paper, Grit: 120	1
20	Drill Bit- Counter Sink Bit (Commonly Used)	Type: Countersink drill bit	1
21	Drill Bit- Forster Bit (Commonly Used)	Type: Forstner drill bit	5
22	Drill Bit- Flat Bit (Commonly Used)	Type: Flat drill bit	5
23	Drill Bit Set- Lip and Spur or Brad Point	Types: Lip and spur or brad point drill bits	5
24	Drill Bit Set- Twist Bit	Types: Various twist drill bits	5
25	Screw 5x90mm (PZ head CSK) Packet	Type: Screw, Size: 5x90mm, Head: PZ head, Countersunk (CSK)	5

26	Screw 5x75mm (PZ head CSK) Packet	Type: Screw, Size: 5x75mm, Head: PZ head, Countersunk (CSK)	1
27	Screw 5x50mm (PZ head CSK) Packet	Type: Screw, Size: 5x50mm, Head: PZ head, Countersunk (CSK)	1
28	Screw 5x40mm (PZ head CSK) Packet	Type: Screw, Size: 5x40mm, Head: PZ head, Countersunk (CSK)	1
29	Screw 5x30mm (PZ head CSK) Packet	Type: Screw, Size: 5x30mm, Head: PZ head, Countersunk (CSK)	1
30	Screw 5x25mm (PZ head CSK) Packet	Type: Screw, Size: 5x25mm, Head: PZ head, Countersunk (CSK)	1
31	Screw 5x20mm (PZ head CSK) Packet	Type: Screw, Size: 5x20mm, Head: PZ head, Countersunk (CSK)	1
32	Screw 5x16mm (PZ head CSK) Packet	Type: Screw, Size: 5x16mm, Head: PZ head, Countersunk (CSK)	1
33	Screw Driver tip bit set	Type: Screwdriver bit set	1
34	Fevicol	Type: Wood glue	5
35	Aluminium Oxide Type- 380 Grit	Type: Sanding paper, Grit: 380	5
36	Aluminium Oxide Type- 320 Grit	Type: Sanding paper, Grit: 320	2
37	Aluminium Oxide Type- 280 Grit	Type: Sanding paper, Grit: 280	2
38	Aluminium Oxide Type- 220 Grit	Type: Sanding paper, Grit: 220	2
39	Aluminium Oxide Type- 180 Grit	Type: Sanding paper, Grit: 180	2
40	Aluminium Oxide Type- 120 Grit	Type: Sanding paper, Grit: 120	2
41	Masking Tape	Type: Masking tape	2
42	WD40	Type: Lubricant	2
43	Water Stone	Type: Sharpening water stone	2
44	Oil Stone	Type: Sharpening oil stone	1
45	Dry Grinding Stone Machine	Type: Electric grinding machine	1
46	Notebook	Size: Standard notebook	1
47	Color marker	Type: Color marker	20
48	Carpentry Pencil ("HB" Type)	Type: Standard carpenter's pencil, Lead: Medium hardness	20
49	Carpentry Pencil ("H" Type)	Type: Hard lead carpentry pencil	20
50	Safety Shoes	Material: Steel toe, durable, Compliance: Meets safety standards	20
51	Carpentry Uniform	Type: Work uniform for carpenters	20
52	Nose Mask	Type: N95 Respirator, Fit: Adjustable nose clip	20
53	First Aid Kit	Contents: Bandages, antiseptic, etc., Compliance: Meets workplace safety standards	20
54	Hand Gloves	Material: Leather/Rubber, Size: Various sizes available	1
55	Ear Plug	Material: Foam/Rubber, Noise Reduction Rating: ANSI certified	20
56	Goggles	Type: Safety goggles, Lens: Impact-resistant, Compliance: Meets safety standards	20
57	Table Saw	Type: Electric table saw	20
58	Jointer Bit Set- 4, 5, 6, 8, 10 mm	Types: Various jointer bits	1
59	Domino Jointer	Type: Joinery tool	1
60	Track Saw With guidance	Type: Track saw with guide rail	1
61	Mitre Saw sliding	Type: Sliding compound mitre saw	1

62	Electric Orbital Sander (Bosch/ Makita/ Dewalt etc.)	Type: Electric orbital sander	2
63	Cordless Drill Machine (Bosch/ Makita/ Dewalt etc.)	Type: Cordless drill machine	5
64	Router Bit Set (Straight bit set)	Types: Various router bits	10
65	Electric Hand Plunge Router (Bosch/ Makita/ etc.)	Power: As per specifications	5
66	Screwdriver- PZ3	Type: Phillips head screwdriver, Size: PZ3	5
67	Screwdriver- PZ2	Type: Phillips head screwdriver, Size: PZ2	5
68	Screwdriver- PZ1	Type: Phillips head screwdriver, Size: PZ1	5
69	Belt clamp 10 feet	Type: Belt clamp, Length: 10 feet	5
70	"F" Clamps- 12"	Type: "F" clamp, Length: 12 inches	10
71	"F" Clamps- 6"	Type: "F" clamp, Length: 6 inches	15
72	"F" Clamps- 4"	Type: "F" clamp, Length: 4 inches	15
73	"G" Clamps- 10"	Type: "G" clamp, Length: 10 inches	6
74	Slash or Bar Clamp- 48"	Type: Slash or bar clamp, Length: 48 inches	16
75	Slash or Bar Clamp- 60"	Type: Slash or bar clamp, Length: 60 inches	12
76	Triangular File 4" with Handle	Type: Triangular file, Length: 4 inches, with handle	12
77	Allen Key Set	Types: Various sizes of Allen keys	10
78	Pincer/ Nail Puller	Type: Pincer/nail puller	2
79	Soft Hammer	Type: Soft-faced hammer	1
80	Wooden Mallet	Type: Wooden mallet	10
81	Jack Plane- No. 5 1/2 (15" or 381mm)	Type: Jack plane, Size: No. 5 1/2 (15" or 381mm)	10
82	Mortise Chisel 1/2" (12mm) with Handle	Type: Mortise chisel, Size: 1/2" (12mm), with handle	20
83	Mortise Chisel (8mm) with Handle	Type: Mortise chisel, Size: 8mm, with handle	20
84	Mortise Chisel 1/4" (6mm) with Handle	Type: Mortise chisel, Size: 1/4" (6mm), with handle	20
85	Bevel Chisel 1.25" (32mm) with Handle	Type: Bevel chisel, Size: 1.25" (32mm), with handle	20
86	Bevel Chisel 1" (25mm) with Handle	Type: Bevel chisel, Size: 1" (25mm), with handle	20
87	Bevel Chisel 3/4" (20mm) with Handle	Type: Bevel chisel, Size: 3/4" (20mm), with handle	20
88	Bevel Chisel 5/8" (16mm) with Handle	Type: Bevel chisel, Size: 5/8" (16mm), with handle	20
89	Bevel Chisel 1/2" (12mm) with Handle	Type: Bevel chisel, Size: 1/2" (12mm), with handle	20
90	Bevel Chisel 3/8" (9mm) with Handle	Type: Bevel chisel, Size: 3/8" (9mm), with handle	20
91	Bevel Chisel 1/4" (6mm) with Handle	Type: Bevel chisel, Size: 1/4" (6mm), with handle	20
92	Japanese Saw (Dozuki Type)	Type: Japanese saw, Style: Dozuki	20
93	Coping Saw	Type: Coping saw	2

94	Back Saw- 12 x 2.5 inch/300 x 65 mm (Rip Style Sharp with 13-15 TPI)	Type: Back saw, Size: 12 x 2.5 inch/300 x 65 mm, Teeth: Rip style, Sharpness: 13-15 TPI	10
95	Hand Saw- 26 inch/ 650 mm (Rip Style Sharp with 4-5TPI)	Type: Hand saw, Size: 26 inch/ 650 mm, Teeth: Rip style, Sharpness: 4-5 TPI	5
96	Hand Saw- 22 inch/ 560 mm (Cross Cut Sharpened with 7-8TPI)	Type: Hand saw, Size: 22 inch/ 560 mm, Teeth: Cross cut, Sharpness: 7-8 TPI	2
97	Calculator (Scientific)	Type: Scientific calculator	20
98	Set Square	Type: Set square	10
99	Compass	Type: Drawing compass	20
100	Dividers	Type: Dividers for precise measurement	20
101	Spirit Level 300 mm	Type: Spirit level, Size: 300 mm	20
102	Spirit Level 1500 mm	Type: Spirit level, Size: 1500 mm	10
103	Vernier Caliper	Type: Vernier caliper	2
104	Wheel Gauge	Type: Wheel gauge for marking circles	1
105	Mortise Gauge	Type: Mortise gauge for marking mortises	1
106	Marking Gauge	Type: Marking gauge for accurate marking	5
107	Awl	Type: Woodworking awl	20
108	Marking Knife (Ambidextrous Type)	Type: Ambidextrous marking knife	1
109	Measurement Tape 5M	Length: 5 meters, Material: Durable, marked in metric units	5
110	Steel Ruler- 39" (1000 mm)	Material: Stainless steel, Length: 39 inches (1000 mm)	20
111	Steel Ruler- 12" (300 mm)	Material: Stainless steel, Length: 12 inches (300 mm)	10
112	Steel Ruler- 6" (150 mm)	Material: Stainless steel, Length: 6 inches (150 mm)	20
113	Sliding Bevel	Material: Wood/Metal, Angle: Adjustable	20
114	Try Square- 4" (100 mm)	Material: Steel, Size: 4 inches	5
115	Try Square- 12" (300 mm)	Material: Steel, Size: 12 inches	10
116	Fire Extinguisher	Type: ABC Dry Chemical, Size: As per safety regulations	20
117	Saw Horses	Material: Wood/Metal, Design: Sturdy support for cutting materials	1
118	Bench Vice	Type: Fixed Bench Vice, Jaw Opening: Adjustable	2
119	Working Bench- Modular	Material: Wood/Metal, Configuration: Modular design for flexibility	10

Classroom Aids

The aids required to conduct sessions in the classroom are:

1. White Board
2. Board Marker
3. Duster
4. Projector/ Smart TV
5. Laptop
6. Chairs/ Stools (For theory lectures)
7. Storage Cabinet (Wardrobe)
8. Trainer's Table
9. Trainer'

Annexure 3: Industry Validations Summary

No. of Validations: 31

S. No	Organization Name	Representative Name	Designation	Contact Address	Contact Phone No	E-mail ID
1	AIPL ZORRO Pvt Limited	Mr. Chanan Rohiwal	COO	Delhi	9555222772	coo@aiplabro.com
2	ANJ Turnkey Pvt. Ltd.	Mr. Pawan Mandawat	Lead Interior Design	Mumbai	8588083182	pawan.mandawat@anj.co.in
3	Godrej & Boyce Mfg. Co. Ltd.	Cdr Manohar Kapale	Dy National Service Head, Godrej Interior	Mumbai	9920440754	mkapale@godrej.com
4	Hettich India Pvt. Ltd.	Mr. Somesh Gupta	Manager	Mumbai	7042594425	somesh.gupta@hettich.com
5	Home Interior Designs E Commerce Pvt. Ltd. (Livspace)	Mr. Gopal Dwivedi	Assistant Vice President	NA	9971603636	Gopal.dwivedi@livspace.com
6	Iraj Evolution Design Company Pvt Ltd (IEVO)	Mr. Ravi Meghwal	Assistant Manager HR	Udaipur, Rajasthan	8290072144	ravi.meghwal@ievo.co.in
7	Narsi Interior Infrastructures Pvt. Ltd.	Mr. Anil Mathur	Marketing Head	Mumbai	9323811674	anilmathur@narsi.in
8	Vallabh Metals	Mr. Viresh Kumar Goswami	Manager of Furniture Unit	Moradabad, Uttar Pradesh	9719968008	ykgoswamivallabhmetalmbd@gmail.com
9	Hyfrun_Omega Innovative Industries	Mr. Anil Kumar M	Managing Director	Kerala	7593887606	hyfurn@gmail.com
10	Sujan Carnival Furniture	Mr. Narender Singh	CDDO (Chief Design & Development Officer)	Kutch, Gujarat	7424895357	cddo@sujancf.com
11	Omega Exports	Mr. Basil Skaria	Manager	Perumbavor	9995868486	omegaexportspbvr@gmail.com
12	Ergoflex (I) Pvt. Ltd.	Mr. Bharat Jagmohan Parekh	Managing Director	Hooghly	9830018818	bharat.parekh@ergoflex.in
13	Kubik India Pvt. Ltd.	Mr. Yogendra Kumar Pandey	Product Head	Mumbai	6362057195	yogendra.p@kubik.in
14	Standard Furniture Mart	Mr. Sahil Malhotra	Head of Business	Dehradun	9599223097	sahil@standardfurnituremart.com
15	Jangid Brothers Pvt. Ltd.	Mr. Anand Sharma	Director	Udaipur, Rajasthan	9785640408	jbpludr@gmail.com

16	Forestry Innovation Consulting India Pvt Ltd	Mr Jimmy Thomas	Business Development Manager	Mumbai	9400356060	jimmy.thomas@canadianwood.in
17	MVS Global	Mr. Satish Kumar Chandna	Prop.	Delhi	919312267811/ +918468851102	info@mvsglobal.co.in
18	M.B. Industries	Mr. DP Srivastava	Business Development Manager	Ayodhya, UP	6393407495	dp2010@gmail.com
19	Studio Dafterr	Mr. Pranav Kochatta	Founder & Designer	Indore	8989935095	pranavkochatta@gmail.com
20	Bram Woodcrafting Studio Private Limited	Bram Rouws	Director	Mysuru	98741 10516	bram@woodcraftingstudio.in
21	Shikalgar Furniture	Mr. Nihal N Shikalgar	Manager	Kolhapur	8317273226	shikalgafurniturehouse@gmail.com
22	Shree Ganesh Plywood	Mr. Pulkit Banthia	Director	Udaipur, Rajasthan	9829040942	sgetimber@gmail.com
23	STS Realtors & Decors Pvt. Ltd.	Mr. Joy Mondal	Senior Manager	West Bengal	7980562288	stsrealtor2017@gmail.com
24	Minda Furniture Suppliers	Mr. Devendra Jain	Director	Udaipur, Rajasthan	9414167284	devendraminda@yahoo.com
25	Mirkan Furniture Fitting & Interior Works	Mr. Dharmender Jangra	Manager	Mirkan, Hisar	8708065300	jangradharmender07@gmail.com
26	Priyanka Arjun & Associates	Ms. Priyanka Arjun	Founder	Udaipur, Rajasthan	9928820266	pa@priyankaarjun.com
27	Rohtak Timber Private Limited	Mr. Nitesh Bansal	Director	NA	9811128756	Rohtaktimber@gmail.com
28	SUN Interiors	Ms. Sakshi Bokadia	Proprietor	Udaipur, Rajasthan	7733061199	sunlyfstyl@gmail.com
29	Vinayak Furniture	Mr. Mahendra Pokharna	Proprietor	Udaipur, Rajasthan	9414168701	vinayakfurnitureofficial@gmail.com
30	Akbar Ali & Sons	Mr. Aazam Abbas Sanwari	Partner	Udaipur, Rajasthan	9828378700	sanwariaazam@gmail.com
31	ISID Structures	Mr. Siddharth Sharma	Founder & Partner	Udaipur, Rajasthan	9636043246	siddharth@avseng.in

Annexure 4: 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
23-24	2000	1000	100	100	0	0
24-25	4000	2000	100	100	0	0

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

Qualification Version	Year	Total Candidates				Women				People with Disability			
		Trained	Assessed	Certified	Placed	Trained	Assessed	Certified	Placed	Trained	Assessed	Certified	Placed
1&2	23-24	8	8	7		0	0	0	0	0	0	0	0
1&2	22-23	0	0	0	0	0	0	0	0	0	0	0	0

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

1. BOSCH-Fee Based
2. CSCM

Content availability for previous versions of qualifications:

☐ Participant Handbook ☐ Facilitator Guide ☐ Digital Content ☒ Qualification Handbook

☐ Any Other: Apprenticeship Curriculum, ToT/ToA Guide

Languages in which Content is available:

English and Hindi

Annexure 5: Blended Learning

Blended Learning Estimated Ratio & Recommended Tools:

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

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

S. No.	Select the Components of the Qualification	List Recommended Tools – for all Selected Components	Offline: Online Ratio
1	☒ Theory/ Lectures - Imparting theoretical and conceptual knowledge	- eBooks/Textbooks/e-content - Presentations - Classroom Aids - Journals - Assessments & Quizzing Tools Flashcards - Games or quizzes - Collaborative/Group Projects - Video Tutorials & Webinars - Video Conferencing Software - Tracking & Reporting Platforms	60:40
2	☒ Imparting Soft Skills, Life Skills, and Employability Skills /Mentorship to Learners	- Presentations - Group Discussions - Case Studies/ Projects - Games or quizzes - Learning Paths - Video Tutorials & Webinars - Video Conferencing Software - Tracking & Reporting Platforms - Simulators/AR Tools	50:50
3	☒ Showing Practical Demonstrations to the learners	- Augmented Reality Applications - Games or quizzes - Interactive Whiteboards - Collaboration Tools - Online Tutorials & Interactive Simulations - Digital Simulations	60:40
4	☒ Imparting Practical Hands-on Skills/ Lab Work/ workshop/ shop floor training	- Virtual Labs - Gamification - Digital Twins - Collaborative Authoring Platforms - Simulators/AR Tools	80:20

		• Digital Simulations • Online Course Platforms/LMS	
5	☒ Tutorials/ Assignments/ Drill/ Practice	• Online Course Platforms/LMS • Simulators/AR Tools • Online Tutorials & Interactive Simulations • Screen Recording & Presentation Software • Collaboration Tools • Assessments & Quizzing Tools	70:30
6	☒ Proctored Monitoring/ Assessment/ Evaluation/ Examinations	• Online assessment/quizzing software • Biometric authentication tools • Remote exam locking/proctoring software • Hackathons	30:70
7	☒ On the Job Training (OJT)/ Project Work Internship/ Apprenticeship Training	• Case Studies/Projects • Simulators/AR Tools • Task Management Tools • Online Collaboration Tools	90:10

Annexure 6: Detailed Assessment Criteria

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

NOS/Module Name	Assessment Criteria for Performance Criteria/Learning Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
FFS/N2210: Assist in client coordination, team supervision, and quality check of the project	Assist in coordinating with the client POCs and other agencies	1	8	16	-
	PC1. interpret the supervisor's instructions about the project requirement correctly regarding quality, style, material preference, etc.	1	2	4	-
	PC2. interact with the client POC and other agencies for coordination of assigned tasks	-	2	4	-
	PC3. prepare and maintain the required documents for project execution purposes	-	2	4	-
	PC4. assist in the preparation of cost estimates and delivery timelines	-	2	4	-
	Assist in the supervision of teams and quality check during the project execution	5	8	16	2
	PC5. ensure that the assigned team understands the job cards and address their issues	1	2	4	-
	PC6. ensure that the team follows all the health and safety guidelines	1	2	-	1
	PC7. conduct a timely quality check of the work done by the team	1	2	4	-
	PC8. ensure that the dimensions and ergonomics of the products are within the specified requirements	1	2	4	1
	PC9. assist in training and mentoring of the team on various operations as required during project execution	1	-	4	-
	Conduct site survey and recce	5	12	24	3
	PC10. assist in planning for recce based on project requirements with supervisor	-	2	4	-
	PC11. ensure proper logistics arrangements for conducting recce at the worksite	1	2	4	1
	PC12. ensure the worksite is appropriately prepared and material required for survey/recce gets arranged timely	1	2	4	1
	PC13. conduct the site survey as per the layout with assistance from the team	1	2	4	-
	PC14. mark the worksite as per the layout and collaborate with teams to take measurements	1	2	4	1
	PC15. analyze the measurement sheets and prepare the layouts	1	2	4	-

	NOS Total	11	28	56	5
FFS/N2211: Ensure proper material management and preparation of the worksite	<i>Interpret project requirements</i>	2	6	6	1
	PC1. interpret given drawings, optimizing the potential for efficient project execution with the supervisor	1	2	2	-
	PC2. ensure selection of appropriate materials to comply with drawing and specifications	1	2	2	1
	PC3. ensure daily filling and timely submission of job cards to the supervisor	-	2	2	-
	<i>Assist in planning and prioritizing work activities</i>	5	-	10	-
	PC4. assist in defining the process flow as per client/project needs during project execution	1	-	2	-
	PC5. assist in the proper demarcation of people and resources with the supervisor	1	-	2	-
	PC6. assist in creating schedules and rosters for the team to ensure they understand individual work requirements	1	-	2	-
	PC7. maintain all the required documentation for project execution	1	-	2	-
	PC8. maintain efficiency and productivity while performing role/responsibility	1	-	2	-
	<i>Ensure proper resource management at the worksite</i>	5	14	12	6
	PC9. plan and organize the loading/ unloading/ handling of the materials as per the instruction sheet	-	2	2	-
	PC10. ensure coordination with the various departments for material movement at multiple intervals	-	-	2	1
	PC11. ensure the proper functioning of the handling equipment for material movement	1	2	2	1
	PC12. select appropriate stacking method for easy identification and traceability	1	2	2	1
	PC13. ensure the proper segregation and storage of materials, tools, and equipment at the worksite	1	2	2	1
	PC14. ensure the use of suitable mediums to store or carry rivets, bolts, drift pins, etc.	-	2	-	-
	PC15. comply with relevant health and safety legislation, regulations, and obligations	1	2	-	1
	PC16. check the quality of the materials before loading and unloading at regular intervals	1	2	2	1
	<i>Ensure worksite preparation for fabrication, assembly, finishing, and installation purposes</i>	5	12	12	4
	PC17. ensure organization of all the necessary tools, materials, and equipment for the specified operations	1	2	2	1
	PC18. ensure that the appropriate floor and machine guards are in place	1	2	2	1

	PC19. install signage and barriers, as required, to maximize protection of public health and safety during project execution according to company requirements	1	2	2	1
	PC20. implement security measures to control unauthorized access to the worksite	-	2	2	-
	PC21. ensure the use of appropriate methods for worksite cleaning and maintenance of the tools and equipment at regular intervals	1	2	2	-
	PC22. identify and prevent hazards and control risks at work site according to company requirements	1	2	2	1
	NOS Total	17	32	40	11
FFS/N2212: Set-out, mark and fabricate the various components of the products at worksite	Mark and measure various timber and timber-based materials	4	14	14	4
	PC1. check all tools and machines are in good working order and available/are on site	1	2	2	1
	PC2. ensure proper selection of appropriate timber and timber-based materials	1	2	2	1
	PC3. identify different components of the products as per the given specifications	-	2	2	-
	PC4. prepare a cutting list of various components of the product based on materials and design specifications	-	2	2	-
	PC5. perform the measurement and marking on timber and timber-based materials based on layout plan and cutting list	1	2	2	1
	PC6. use geometric methods to determine complex angles, joints, and intersections from product drawings	1	2	2	1
	PC7. ensure timely preparation and handover of the measurement sheet	-	2	2	-
	Perform woodworking operations on different components of the product	2	14	16	2
	PC8. select and safely use hand and power tools to cut and shape various components of the product	1	2	2	-
	PC9. perform cutting of the wood/panels as per cutting list	-	2	2	-
	PC10. ensure that the cut components are in line with the design specifications	-	2	2	-
	PC11. prepare the wood/panels into the required shape as per the specified	-	2	2	-
	PC12. prepare jigs or fixtures of required specifications to shape the various components of the product	1	-	2	-
	PC13. ensure that all the measurements of the components meet specifications	-	2	2	-
	PC14. perform cutting of laminate/veneer sheet to specified specifications and paste using adhesives on the surface of product	-	2	2	1

	PC15. mark and drill the required holes and grooves for product assembly	-	2	2	1
	<i>Fabricate internal and external joints for product assembly</i>	3	12	12	3
	PC16. check and confirm the joint geometry confirms with the product drawing	1	2	2	1
	PC17. undertake the preparation of accurate joints and intersections with no gaps	-	2	2	-
	PC18. use appropriate hand tools and machines for joint preparation, e.g., traditional tenon saws, Japanese pull saws, band saw, powered hand router, and miter saw	1	2	2	1
	PC19. prepare joints that are parallel, clean, and correct in size to the drawing	1	2	2	-
	PC20. ensure faces, edges, and all shoulders are square straight and to the drawing	-	2	2	1
	PC21. ensure proper checking of joints for strength and durability	-	2	2	-
	NOS Total	9	40	42	9
FFS/N2213: Perform assembly, finishing and installation of different components of the product at the worksite	<i>Assemble the various components of the product</i>	4	12	12	2
	PC1. interpret the assembly drawings and use the appropriate method for assembly	-	2	2	-
	PC2. measure the dimensions of various components of the product and perform marking operations to facilitate the assembly of components	1	2	2	1
	PC3. ensure that the product components are assembled as per instruction using appropriate fasteners or/ add adhesives as applicable	1	2	2	1
	PC4. ensure that the structures are assembled and erected accurately without damage to components	-	2	2	-
	PC5. check the assembled components functioning as per the control plan, work instructions	1	2	2	-
	PC6. ensure quality checks at regular intervals during assembly to avoid any defects/ error detection at a later stage	1	2	2	-
	<i>Finish the surface of the product</i>	3	4	6	3
	PC7. identify and select the appropriate wood fillers to finish the product to a specified standard	1	2	2	1
	PC8. use appropriate tools to smoothen the surface (curves, edges, molds, etc.) of the product through sanding by machine and/or by hand to a specified standard	1	2	2	1
	PC9. maintain the quality of the surface during assembly and installation, e.g., free from glue and any defects or chips	1	-	2	1
	<i>Install the product along with hardware fittings</i>	5	8	12	2

	PC10. check the location of the installation to prepare requisite cut-outs for electrical outlets, plumbing points, wiring, and other arrangements in the assembled product	1	-	2	-
	PC11. identify and select the appropriate tools and equipment for installation of components/parts and sub-assemblies of the product	1	2	2	1
	PC12. install the moldings/ finish accessories (crown molding, decorative panels, etc.) in accordance with the manual/instructions	-	2	2	-
	PC13. install the furniture fittings (like locks, latch, closure, handles, etc.) in the finished product	1	2	2	-
	PC14. ensure quality checks at regular intervals during installation to avoid any defects/ error detection at a later stage	1	2	2	-
	PC15. supervise the cleaning of the installed product thoroughly before handover	1	-	2	1
	Perform quality check of the product before handover	3	12	10	2
	PC16. conduct post- completion quality check of the furniture and fitting in line with the organization practice	1	2	2	1
	PC17. check and ensure that the final finish of the product is as per client requirement and design specification	-	2	-	-
	PC18. inspect and mark the defects, if any, such as in paint, dents, grooves, cracks, rough edges, etc. on the physical body of the product	1	2	2	1
	PC19. take appropriate action for fault rectification in consultation with supervisors	1	2	2	-
	PC20. take note of inputs/ feedback received by supervisor /client to incorporate at the work	-	2	2	-
	PC21. maintain all the requisite documents post completion of project in compliance with organization policies	-	2	2	-
	NOS Total	15	36	40	9
FFS/N8203: Maintain health, safety, and greening practices at the worksite	Maintain health and hygiene protocols	6	8	16	5
	PC1. comply with health and personal hygiene- related protocols	1	1	2	1
	PC2. maintain adequate inventory of cleaning materials and consumables	1	1	2	1
	PC3. identify and report poor organizational practices concerning hygiene, food handling, cleaning	1	1	2	-
	PC4. ensure that the trash cans or waste collection points are cleared every day	1	1	2	1
	PC5. maintain records for cleanliness and maintenance schedule	-	1	2	-
	PC6. use appropriate personal protective equipment compatible with the work and compliant with relevant Occupational Health and Safety (OHS) guidelines: masks, safety glasses, head protection, ear muffs, safety	1	1	2	1
	PC7. wear clean clothes as per the dress code of the worksite	-	1	2	-

	PC8. wash hands regularly using suggested material such as soap, one-use disposable tissue, warm water, etc.	1	1	2	1
	Dealing with emergencies	2	4	8	1
	PC9. use emergency equipment in accordance with manufacturers' specifications as per requirement	-	1	2	-
	PC10. follow emergency and evacuation procedures in case of accidents, fires, natural calamities	1	1	2	-
	PC11. respond promptly and appropriately to an accident situation or medical emergency	-	1	2	-
	PC12. undertake first aid activities in case of an accident, if required and asked to do so	1	1	2	1
	Precautionary measures to avoid work hazards	3	5	10	2
	PC13. ensure that safety instructions applicable to the work place are being followed	-	1	2	-
	PC14. monitor the usage of harmful chemicals inside the work area as per the specified guidelines only	1	1	2	-
	PC15. plan out the routine cleaning of tools, machines, and equipment	-	1	2	-
	PC16. employ an effective process to dispose off the hazardous material and wastage	1	1	2	1
	PC17. employ safe working practices to perform a lift, carry or move heavy wooden furniture and accessories from one place to another	1	1	2	1
	Ensure material conservation and optimization of resources	5	7	14	4
	PC18. plan out the process to ensure optimal material utilization	1	1	2	1
	PC19. collect information on the pattern of electricity and fuel consumption	-	1	2	-
	PC20. identify possibilities of using renewable energy and environment- friendly fuels	1	1	2	-
	PC21. plan the implementation of energy- efficient systems in a phased manner	-	1	2	1
	PC22. plan and utilize the reusable materials and wastage in the process	1	1	2	1
	PC23. perform segregation of waste based on the type of material	1	1	2	1
	PC24. ensure to keep the electrical appliances in OFF position when not in use	1	1	2	-
	NOS Total	16	24	48	12
DGT/VSQ/N0102: Employability Skills (60 Hours)	Introduction to Employability Skills	1	1	-	-
	PC1. identify employability skills required for jobs in various industries	-	-	-	-
	PC2. identify and explore learning and employability portals	-	-	-	-
	Constitutional values – Citizenship	1	1	-	-

PC3. recognize the significance of constitutional values, including civic rights and duties, citizenship, responsibility towards society etc. and personal values and ethics such as honesty, integrity, caring and respecting others, etc.	-	-	-	-
PC4. follow environmentally sustainable practices	-	-	-	-
Becoming a Professional in the 21st Century	2	4	-	-
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	-	-
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	-	-
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	-	-
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	-	-
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	-	-
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	-	-

	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	-	-
	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	-	-
	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	-	-
	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
FFS/N2214: Perform fabrication, assembly, and installation of Wooden Doors and Windows with Frames	Prepare the resources for wooden doors and windows assemblage	8	10	8	7
	PC1. identify and select the timber based on design specifications of the given door/ window	1	1	1	1
	PC2. maintain the moisture content of the timber within specified limits	1	1	1	1
	PC3. plan and organize required materials, tools, and equipment for door/window fabrication and installation	1	1	1	1
	PC4. check that the selected tools and equipment are in safe working condition and ready for use	1	1	-	1
	PC5. verify dimensions and type of the opening are as per the size of the frame	1	1	-	-

PC6. perform the required woodworking operation on the materials as per design specifications	1	1	1	1
PC7. measure the dimensions of the door/window panel to ensure the correct size of the frame	1	1	1	1
PC8. prepare the material pieces into the required shape as per the specified measurements	-	1	1	-1
PC9. check visually for any surface damage on the components before assembly and installation processes	1	1	1	1
PC10. ensure that the work area is free of clutters to carry out installation work smoothly	-	1	1	1
Install flashings for door and window frames	4	6	6	3
PC11. identify suitable flashing materials to be used with frame installation	1	1	1	-
PC12. plan out the installation of flashing with suitable overlapping of sides to avoid water spillage	-	1	1	-
PC13. mark the measurement on the flashing for frame installation and trim the extra pieces	1	1	1	1
PC14. make use of the bottom to top approach while installing flashings	1	1	1	1
PC15. ensure proper pasting of flashing using small flat block, tapping, and running down on the frame	-	1	1	-
PC16. apply sealants at the exposed edges and corners once the flashings get installed	1	1	1	1
Perform assembly and installation of wooden doors, windows, and frames	5	8	8	4
PC17. ensure correct methods of holding and centering the work piece	1	1	1	-
PC18. ensure the use of appropriate lifting devices for lifting doors/ windows	1	1	1	1
PC19. grout the gap between the wall and the door frame, if required, perform chipping and chiseling of the masonry structure	-	1	1	1
PC20. ensure proper alignment of the door/ window frame against the setting out the lines	1	1	1	1
PC21. install the door/window frame and sub- frame as per specification	-	1	1	-
PC22. install the door/window panels as per the given design specifications	-	1	1	-
PC23. ensure a consistent gap between door/window panel and door/window frame	1	1	1	-
PC24. ensure the miter joints are flat and square at corners for a seamless finish	1	1	1	1
Install architectural hardware, fittings, and accessories	5	6	6	6

	PC25. interpret the product drawing and identify the type of hardware and accessories required for the doors and windows installation	1	1	1	1
	PC26. identify and use required tools and equipment for installation of hardware and accessories	1	1	1	1
	PC27. measure and mark the dimensions on the product to determine	1	1	1	1
	PC28. make provisions for the cut	-	1	1	1
	PC29. install hardware and accessories in accordance with the job and manufacturer specifications	1	1	1	1
	PC30. ensure the proper functioning of the hardware after installation and make necessary adjustments as required	1	1	1	1
	NOS Total	22	30	28	20
FFS/N2215: Perform fabrication, assembly, and installation of Wooden Cladding and Panelling	<i>Prepare the resources for cladding/ panelling assemblage</i>	10	22	2	8
	PC1. identify and select the timber based on design specifications	1	2	2	1
	PC2. maintain the moisture content of the timber within specified limits	1	2	2	1
	PC3. plan and organize required materials, tools, and equipment for cladding/ panelling fabrication and installation	1	2	2	1
	PC4. check that the selected tools and equipment are in safe working condition and ready for use	1	2	2	1
	PC5. interpret the quantity of the panels required for the room based on design specifications	1	2	2	1
	PC6. ensure proper measurement of every length, opening, bulge, and recess of the room/area	1	2	2	1
	PC7. identify the types of adhesives to be used based on the condition of the wall and area of installation	1	2	-	1
	PC8. perform the required woodworking operation on the materials as per design	1	2	2	-
	PC9. prepare the material pieces into the required shape as per the specified measurements	1	2	2	-
	PC10. check visually for any surface damage on the components before assembly and installation	1	2	2	1
	PC11. ensure that the work area is free of clutters to carry out installation work	1	2	2	-
	<i>Perform assembly and installation of cladding/ panelling</i>	5	16	1	1
	PC12. measure and mark the dimension of the panels on the wall to determine the installation position	1	2	2	1
	PC13. ensure proper joinery of panels to avoid gaps and loose pieces while accommodating the natural seasonal	-	2	-	-
	PC14. make provision for drained and ventilated cavity open at the top and bottom to prevent moisture into the	-	2	-	-

	PC15. ensure correct methods of holding and centering the workpiece	1	2	-	-
	PC16. check the vertical and horizontal alignment of panels using appropriate tools	1	2	-	-
	PC17. undertake requisite cut-outs for electrical outlets, plumbing points, and other arrangements	-	2	-	-
	PC18. ensure removal of masking tape after installation of panels	1	-	-	-
	PC19. apply sealants at the exposed edges and corners once the panels get	1	2	2	-
	PC20. ensure a final sanding of panels and edges to get a finished look	-	2	2	-
	NOS Total	15	38	38	9
FFS/N2216: Perform fabrication, assembly, and installation of Wooden Flooring	<i>Prepare the resources for flooring assemblage</i>	8	11	22	6
	PC1. identify and select the timber based on design specifications	1	1	2	1
	PC2. maintain the moisture content of the timber within specified limits	1	1	2	1
	PC3. plan and organize required materials, tools, and equipment for flooring fabrication and installation	1	1	2	1
	PC4. check that the selected tools and equipment are in safe working condition and ready for use	1	1	2	1
	PC5. interpret the quantity of the panels required for the room based on design specifications	1	1	2	1
	PC6. ensure proper measurement of every length, opening, bulge, and recess of the room/area	1	1	2	1
	PC7. identify the types of adhesives to be used based on the condition of the wall and area of installation	1	1	2	-
	PC8. perform the required woodworking operation on the materials as per design specifications	-	1	2	-
	PC9. prepare the material pieces into the required shape as per the specified measurements	-	-	-	-
	PC10. check visually for any surface damage on the components before assembly and installation processes	1	1	2	-
	PC11. ensure that the work area is free of clutters to carry out installation work smoothly	-	1	2	-
	<i>Perform assembly and installation of flooring</i>	5	14	28	6
	PC12. check the sub-floor to make sure that there are no squeaks in the floor and make necessary arrangements, if required	1	1	2	1
	PC13. roll out the strips of vapor barrier paper and staple securely to the sub-floor	-	1	2	1
	PC14. make use of the installation approach, which focuses on the largest unobstructed wall	1	1	2	-

	PC15. ensure correct methods of holding and centering the workpiece	1	1	2	-
	PC16. ensure the alignment of the board edge with the guiding line and drill holes as per specific measurements	1	1	2	1
	PC17. make use of the pneumatic nail gun, placing the gun lip over the edge of the board and driving the staple into the tongue of the hardwood plank	1	1	2	1
	PC18. install the panels of the flooring as per drawing specification	-	1	2	-
	PC19. ensure proper grain matching while installation of panels	-	1	2	-
	PC20. check for the end matching of the panels while assembling of panels	-	1	2	-
	PC21. check the vertical and horizontal alignment of panels using appropriate tools	-	1	2	-
	PC22. undertake requisite cut-outs for electrical outlets, plumbing points, and other arrangements	-	1	2	-
	PC23. ensure removal of masking tape after installation of panels	-	1	2	-
	PC24. apply sealants at the exposed edges and corners once the panels get installed	-	1	2	1
	PC25. ensure a final sanding of panels and edges to get a finished look	1	1	2	1
	NOS Total	13	25	50	12
FFS/N2217: Perform fabrication, assembly, and installation of Kitchen, Cabinets, and Beds	<i>Prepare the resources for cabinets assemblage</i>	6	10	20	4
	PC1. identify and select the timber and panels based on design specifications	1	1	2	1
	PC2. maintain the moisture content of the timber within specified limits	1	1	2	1
	PC3. plan and organize required materials, tools, and equipment for cabinets fabrication and installation	1	1	2	1
	PC4. check that the selected tools and equipment are in safe working condition and ready for use	1	1	2	1
	PC5. identify different components of the products as per the given	-	1	2	-
	PC6. prepare a cutting list of various components of the product based on materials and design specifications	1	1	2	-
	PC7. perform the required woodworking operation on the materials as per design	-	1	2	-
	PC8. prepare the material pieces into the required shape as per the specified measurements	-	1	2	-
	PC9. check visually for any surface damage on the components before assembly and installation	1	1	2	-
	PC10. ensure that the work area is free of clutters to carry out installation work smoothly	-	1	2	-

	Perform assembly and installation of kitchen, cabinets, and beds	3	10	22	2
	PC11. ensure correct methods of holding and centering the workpiece	-	1	2	-
	PC12. ensure all parts are in desired sizes and thickness as per design requirements	1	1	2	1
	PC13. measure and mark the position of cabinet installation on the wall	1	1	2	1
	PC14. assemble and install the panels of the cabinets as per drawing specification	-	1	2	-
	PC15. make use of the pneumatic nail gun, placing the gun lip over the edge of the board and driving the staple into the tongue of the panel	-	1	2	-
	PC16. ensure proper grain matching while installation of panels	-	1	2	-
	PC17. check for the end matching of the panels while assembling of panels	-	1	2	-
	PC18. check the vertical and horizontal alignment of panels using appropriate tools	-	1	2	-
	PC19. undertake requisite cut-outs for electrical outlets, plumbing points, and other arrangements	-	1	2	-
	PC20. ensure removal of masking tape after installation of panels	1	-	2	-
	PC21. prepare the necessary mounting for furniture to be installed	-	1	2	-
	Install architectural hardware, fittings, and accessories	3	6	12	2
	PC22. interpret the product drawing and identify the type of hardware and accessories required for cabinets installation	-	1	2	-
	PC23. identify and use required tools and equipment for installation of hardware and accessories	1	1	2	1
	PC24. measure and mark the dimensions on the product to determine hardware positioning	1	1	2	1
	PC25. make provisions for the installation of fittings by preparing slots and cut-outs	-	1	2	-
	PC26. install hardware and accessories in accordance with the job and manufacturer specifications	-	1	2	-
	PC27. ensure the proper functioning of the hardware after installation and make necessary adjustments as required	1	1	2	-
	NOS Total	12	26	54	8
FFS/N2218: Perform fabrication, assembly, and installation of a	Prepare the resources for wooden structure assemblage	8	13	26	7
	PC1. identify and select the timber and panels based on design specifications	1	1	2	1
	PC2. maintain the moisture content of the timber within specified limits	1	1	2	1

Wooden House Structure	PC3. plan and organize required materials, tools, and equipment for wooden structure fabrication and installation	1	1	2	1
	PC4. identify different components of the products as per the given specifications	-	1	2	-
	PC5. prepare a cutting list of various components of the product based on materials and design specifications	-	1	2	-
	PC6. apply woodworking skills to measure, mark out, cut, joint, fit the pieces of the structure	1	1	2	1
	PC7. prepare the material pieces into the required shape as per the specified measurements	-	1	2	-
	PC8. design the repetitive framing members to withstand the load of the	1	1	2	-
	PC9. select the framing type of the structure based on required design specifications	1	1	2	1
	PC10. plan house layouts and room sizes for efficient use of space and to avoid excessive building area and heated volume	-	1	2	-
	PC11. identify and select the framing method, depth, and spacing of members based on insulation levels of the structure	1	1	2	1
	PC12. check visually for any surface damage on the components before assembly and installation processes	1	1	2	1
	PC13. ensure that the work area is free of clutters to carry out installation work smoothly	-	1	2	-
	Perform assembly and installation of wooden structure	8	11	22	5
	PC14. ensure that the repetitive framing members such as trusses or wood I-joists spaced as per standard sizes	1	1	2	1
	PC15. perform laying of the sill plate based on the level of the foundation top	-	1	2	-
	PC16. prepare the thickness of the sheathing panels based on the amount of structural strength requirement	1	1	2	-
	PC17. prepare a connection between the roof/ floor, wall, and foundation to provide a continuous and complete load path	-	1	2	-
	PC18. factor the loads on the subfloor and floor by placing the joist with a bow edgewise in a crown on top position	1	1	2	1
	PC19. install the joists based on the clearance under the wood beam	-	1	2	-
	PC20. select and install the sub-floor based on floor stiffness and vibration requirement	1	1	2	-
	PC21. apply appropriate adhesives to reduce the deflection between adjacent joints	1	1	2	1
	PC22. install insulation carefully on top of the soffit finish preventing air leakage	1	1	2	1

	PC23. follow the code-acceptable practices that use fewer framing materials such as advanced framing techniques	1	1	2	1
	PC24. ensure a final sanding of panels and edges to get a finished look	1	1	2	-
	NOS Total	16	24	48	12
FFS/N2219: Perform General Repairs and Maintenance of the furniture at the worksite	<i>Prepare the resources for dismantling, repair, and maintenance of furniture</i>	2	5	10	2
	PC1. examine and identify the various components of the existing furniture to determine the scope of repair and maintenance	-	1	2	-
	PC2. plan and organize required materials, tools, and equipment for furniture repair and restoration	1	1	2	1
	PC3. check that the selected tools and equipment are in safe working condition and ready for use	1	1	2	1
	PC4. measure the various components of the furniture to determine the product specifications	-	1	2	-
	PC5. ensure that the work area is free of clutters to carry out work smoothly	-	1	2	-
	<i>Dismantling and movement of various components of furniture</i>	5	11	14	-
	PC6. ensure that the furniture should be emptied from inside before dismantling	-	1	-	-
	PC7. follow the approach of dismantling the parts in order of assembling them at last at the end of the process	-	1	2	-
	PC8. dismantle and detach sofa legs, bookcase shelves, beds, and anything else that needs repair or maintenance	-	1	2	-
	PC9. ensure proper stacking of all the labeled parts neatly to avoid scratches and other types of damages	1	1	2	-
	PC10. ensure proper arrangement of small parts like screws and other fasteners after dismantling of furniture	1	1	-	-
	PC11. plan and organize the movement/displacement of the furniture and its parts	-	1	2	-
	PC12. examine the surroundings and the route whereby the furniture is to be moved	1	1	2	-
	PC13. identify potential troubles like light fixtures which can be damaged during moving or detaching the furniture	1	1	2	-
	PC14. clear the route by moving or removing fragile or obstructive items	-	1	-	-
	PC15. make use of soft padding or wrap the furniture in a blanket pad to protect it	-	1	-	-
	PC16. perform lifting and movement based on the type of furniture and its compositions to avoid any mishaps	1	1	2	-
	<i>Maintain, repair, and re-install the furniture</i>	7	16	24	4

PC17. plan out the repair and maintenance process in accordance with the scope of the work	-	1	2	-
PC18. perform stripping of the old and damaged layer of the furniture using a scrapper based on repair requirements	-	1	2	-
PC19. repair the joints or cracks in furniture using appropriate adhesives and clamp the joints, if required	1	1	2	1
PC20. prepare the material pieces into the required shape as per the specified measurements	-	1	2	-
PC21. perform sanding on the surface of the components to remove small scratches and marks	1	1	2	-
PC22. tighten the various components of furniture together using appropriate steel brackets and screws	-	1	2	-
PC23. perform reupholstering of the furniture using suitable padding and fabric as per requirement	1	1	2	1
PC24. assemble and install the panels of the furniture as per product specification	-	1	2	-
PC25. ensure proper grain matching while installation of panels	-	1	2	-
PC26. check the vertical and horizontal alignment of panels using appropriate tools	-	1	2	-
PC27. identify and select appropriate polishes and waxes on furniture based on the type of wood/panels	1	1	2	1
PC28. ensure the proper functioning of the hardware after furniture assembly and make necessary adjustments as required.	1	1	2	1
PC29. evaluate if surface or coating is not susceptible to be damaged by the contact required in cleaning and polishing	-	1	-	-
PC30. perform dusting and cleaning carefully using appropriate tools and equipment	1	1	-	-
PC31. ensure that only unfinished wood, painted wood, or wood with a sturdy finish should be cleaned using appropriate water-soluble solutions	1	1	-	-
PC32. carefully wipe off the dust on the furniture using a damp cloth	-	1	-	-
NOS Total	14	32	48	6
Grand Total	180	365	492	113

Annexure 7: Assessment Strategy

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

At FFSC, we believe in gauging a candidate's performance, a holistic approach for Assessment is essential. We have devised a multi-tier process to keep track of candidate's overall progress at various stages. While a few techniques are imbibed as part of the training delivery program, others are explicit testing methods. These are:

1. Internal (Preferred)

- a. Trainer Led Assessment
- b. Master Trainer/ Program Mentor Led Assessment

2. External

- a. Assessment Partners/ Freelance Assessors (Mandatory)
- b. Industry (Preferred)

1. Internal (Preferred)

A. Trainer Led Assessment:

As part of the Training Delivery Program, various tests and projects are designed regularly to gauge the candidate's progress during the training program. These are a mix of Theory & practical, individual, and group activities.

Trainers will be provided specific training under the ToT programs to conduct these assessments. A report of the same will be submitted to the assigned Master Trainer/ Program Mentor.

B. Master Trainer/ Program Mentor Led Assessment:

Every trainer/ batch should be connected with a Master Trainer/ Program Mentor, who will keep a check on the progress of the batch. The Trainer can consult the Master Trainer/ Program Mentor regarding training delivery or conducting periodic assessments.

Master Trainer/ Program Mentor may conduct their session to assess the candidates' progress, using the means deemed suitable and feasible.

2. External

A. Assessment Partners/ Freelance Assessors:

Assessment Partners shall mandatorily conduct an external assessment via ToA certified Assessors or ToA certified Freelance Assessors. There are three critical stages of any assessment activity – Pre-Assessment, During Assessment, and Post Assessment. The defined system for conducting the Assessment shall be followed at each stage.

FFSC Training & Assessment Team or any other assigned authority by FFSC may conduct surprise or planned visits and checks from a quality assurance and monitoring perspective.

The requirements and details of each stage are highlighted below:

1. Pre-Assessment:

- a. Assessment Partner/ Assessor/ Freelance Assessor Validation
- b. Training Centre Check for Assessment Setup/ Infra
- c. Question Papers submission by Assessment Partner/ Freelance Assessor to FFSC
- d. FFSC to validate and approve the Question papers in line with NOS and PC.
- e. FFSC Affiliation and Project Assessment Approval
- f. Centre ready for Assessment intimation by Training Partner or by the assigned Neutral Assessment Centre

2. During Assessment (on the Assessment Day): The Assessment can be conducted in offline, online, or hybrid format depending on the feasibility and approvals from FFSC. Under either process, the below guidelines are essential to be compiled:

- a. Check the availability of the Lab Equipment for the particular Job Role as per the mode of conducting the Assessment.
- b. Candidate Validation: Confirm the Aadhar Card details of candidates
- c. Check the duration of the training
- d. Check the Assessment Start and End time to be as specified in documents
- e. Assessor/ Freelance Assessor must follow the assessment guidelines at all times.
- f. Intimation to FFSC Training & Assessment Monitoring Team for Assessment Quality Assurance checks.
- g. Ensure evidence of conducting Assessment gathered as per FFSC protocol:
 - i. Time-stamped & geotagged reporting of the Assessor from assessment location

- ii. Centre photographs with signboards and scheme-specific branding
- iii. Biometric or manual attendance sheet (stamped by T.P.) of the trainees during the training period
- iv. Time-stamped & geotagged assessment (Theory + Viva + Practical) photographs & videos
- h. Required documentation for submissions to the FFSC

3. Post Assessment:

- a. Timely submission of the assessment documentation and feedback to FFSC
- b. Hard copies of the documents are stored
- c. Soft copies of the documents & photographs of the Assessment are uploaded/accessed from Cloud Storage
- d. Soft copies of the documents & photographs of the Assessment stored in the Hard Drives
- e. Any other compliance requirement as defined by FFSC

B. Industry Partner:

FFSC may engage the Industry Partners and the Subject Matter Experts to conduct the Assessment of the candidates at various stages during the training program.

Annexure 8: 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
MEP	Mechanical Electrical Plumbing
CAD	Computer-Aided Design
PwD	Person with Disability
POSH	Prevention Of Sexual Harassment
OHS	Occupational Health and Safety

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
Sub-sector	Sub-sector is derived from a further breakdown based on the characteristics and interests of its components.
Occupation	Occupation is a set of job roles, which perform similar/ related set of functions in an industry.
Job role	Job role defines a unique set of functions that together form a unique employment opportunity in an organisation
Occupational Standards (OS)	OS specify the standards of performance an individual must achieve when carrying out a function in the workplace, together with the Knowledge and Understanding (KU) they need to meet that standard consistently. Occupational Standards are applicable both in the Indian and global contexts.
Performance Criteria (PC)	Performance Criteria (PC) are statements that together specify the standard of performance required when carrying out a task.
Electives	Electives are NOS/set of NOS that are identified by the sector as contributive to specialization in a job role. There may be multiple electives within a QP for each specialized job role. Trainees must select at least one elective for the successful completion of a QP with Electives.
Core Skills/ Generic Skills (GS)	Core skills or Generic Skills (GS) are a group of skills that are the key to learning and working in today's world. These skills are typically needed in any work environment in today's world. These skills are typically needed in any work environment. In the context of the OS, these include communication related skills that are applicable to most job roles.
Technical Knowledge	Technical knowledge is the specific knowledge needed to accomplish specific designated responsibilities