



**FURNITURE
& FITTINGS
SKILL COUNCIL**
कुशल • सक्षम • आत्मनिर्भर



Model Curriculum

QP Name: Multipurpose Draughtsperson (Design and Build)

QP Code: FFS/Q0206

QP Version: 1.0

NSQF Level: 3

Model Curriculum Version: 1.0

Furniture and Fittings Skill Council || Furniture and Fittings Skill Council (FFSC), 407-408, DLF City Court,
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Training Parameters

Sector	Interiors, Furniture and Fixtures
Sub-Sector	Interior Design and Installation
Occupation	Interior Designing
Country	India
NSQF Level	3
Aligned to NCO/ISCO/ISIC Code	NCO-2015/3432.0100
Minimum Educational Qualification and Experience	Grade 10 pass Or Grade 8 pass with 1 year of (NTC/ NAC) after Grade 8 Or Grade 8 pass and pursuing continuous schooling in regular school (in case of 2-year prog) Or Grade 9 pass and pursuing continuous schooling in regular school Or Grade 9 pass with 1 year of relevant experience Or Grade 8 pass with 2 years of relevant experience Or Grade 5 pass with 5 years of relevant experience Or Previous relevant Qualification of NSQF Level 2 (Foundation course on Design-Build-Install) with 1.5 years of relevant experience
Pre-Requisite License or Training	NA
Minimum Job Entry Age	14 Years
Last Reviewed on	31-08-2023
Next Review Date	31-08-2026
NSQC Approval Date	31-08-2023
Q.P. Version	1.0
Model Curriculum Creation Date	06-06-2023

Model Curriculum Valid Up to Date	31-08-2026
Model Curriculum Version	1.0
Minimum Duration of the Course	390 (Min. of 1 Elective to be selected)
Maximum Duration of the Course	540 (Max. of 2 Electives to be selected)

Program Overview

This section summarizes the end objectives of the program along with its duration.

Training Outcomes

At the end of the program, the learner should have acquired the listed knowledge and skills:

- Identify and describe the key components and sectors within the interiors and allied industry.
- Demonstrate knowledge of different types of interior projects, various products, materials, and accessories used in the industry.
- Discuss organizational context and workplace policies specific to the interiors and allied industry.
- Explain the responsibilities and tasks involved in the role of a Multipurpose Draughtsperson in the design and build process within the interiors industry.
- Conduct comprehensive site surveys and reconnaissance, accurately assessing project requirements and site conditions.
- Measure and mark dimensions and specifications at the worksite, ensuring accuracy and adherence to project requirements.
- Demonstrate proficiency in designing and drafting work, creating accurate visual representations and technical drawings.
- Perform effective documentation and maintain job-related records, including project specifications, design revisions, and communication with stakeholders.
- Discuss the role of continuous learning and professional development to enhance skills and knowledge within the interiors industry.
- Apply health and safety practices, maintaining a safe working environment and proactively addressing potential risks in the interiors industry.
- Develop employability skills, including effective communication, teamwork, problem-solving, and time management, relevant to the interiors industry.
- Conduct site assessments and reconnaissance specific to interior designing projects, gathering relevant information and identifying design constraints.
- Prepare accurate and visually appealing interior design concepts and technical drawings, incorporating functional and aesthetic considerations.
- Maintain and organize comprehensive records of interior designing projects, including design specifications, material selections, and client approvals.
- Demonstrate the skills during on-the-job training, applying knowledge and skills to real-world interior designing scenarios and seeking feedback for improvement.
- Conduct site assessments and reconnaissance specific to furniture designing projects, evaluating space, dimensions, and design requirements.
- Prepare accurate and detailed furniture designs and technical drawings, considering functionality, ergonomics, and manufacturing feasibility.
- Maintain comprehensive records of furniture designing projects, including design specifications, material selections, and production schedules.
- Demonstrate the skills during on-the-job training, applying knowledge and skills to real-world furniture designing scenarios and seeking feedback for improvement.
- Conduct site assessments and reconnaissance specific to product designing projects, evaluating user needs, spatial requirements, and technical constraints.

- Prepare accurate and innovative product designs and technical drawings, considering user experience, aesthetics, and manufacturing considerations.
- Maintain detailed records of product design projects, including design iterations, material selections, and manufacturing specifications.
- Demonstrate the skills during on-the-job training, applying knowledge and skills to real-world product designing scenarios and seeking feedback for improvement.

Compulsory Modules

The table lists the modules and their duration corresponding to the Compulsory NOS of the QP.

NOS and Module Details	Theory Duration	Practical Duration	On-the-Job Training Duration (Mandatory)	On-the-Job Training Duration (Recommended)	Total Duration
Bridge Module(s)	24:00	36:00	00:00	00:00	60:00
Module 1: Introduction to the Interiors and Allied industry	04:00	08:00	00:00	00:00	12:00
Module 2: Introduction to Interior projects, products, materials, and accessories	08:00	12:00	00:00	00:00	20:00
Module 3: Organizational Skills	06:00	16:00	00:00	00:00	22:00
Module 4: Role of an Multipurpose Draughtsperson (Design and Build)	06:00	00:00	00:00	00:00	06:00
FFS/N0235: Assist in conducting the site recce for designing and drafting purpose NOS Version No. 1 NSQF Level- 3	12:00	48:00	00:00	00:00	60:00
Module 5: Site survey and recce	04:00	16:00	00:00	00:00	20:00
Module 6: Measurement and marking at worksite	08:00	32:00	00:00	00:00	40:00

FFS/N0236: Assist in preparing the designs and drawings as per the specifications NOS Version No. 1 NSQF Level- 3	12:00	48:00	00:00	00:00	60:00
Module 7: Perform designing and drafting work	08:00	34:00	00:00	00:00	42:00
Module 8: Documentation of job work	02:00	08:00	00:00	00:00	10:00
Module 9: Learning and professional development	02:00	06:00	00:00	00:00	08:00
FFS/N8205: Follow workplace health, safety, and environmental procedures NOS Version No. 3 NSQF Level- 3	12:00	18:00	00:00	00:00	30:00
Module 10: Health and safety practices at the worksite	08:00	12:00	00:00	00:00	20:00
Module 11: Greening practices at worksite	04:00	06:00	00:00	00:00	10:00
DGT/VSQ/N0101: Employability Skills (30 Hours) NOS Version No. 1 NSQF Level- 2	15:00	15:00	00:00	00:00	30:00
Module 12: Employability Skills	15:00	15:00	00:00	00:00	30:00
Total Duration	75:00	165:00	00:00	00:00	240:00

Elective Modules

The table lists the modules and their duration corresponding to the Elective NOS of the QP.

Elective 1: Interior Designing

NOS and Module Details	Theory Duration	Practical Duration	On-the-Job Training Duration (Mandatory)	On-the-Job Training Duration (Recommended)	Total Duration
FFS/N0237: Assist in site recce, designing, draughting and documentation of the Interior Design Project NOS Version No. 1 NSQF Level- 3	12:00	48:00	90:00	00:00	150:00

Module 13: Performing site assessment and recce for interior designing	04:00	16:00	00:00	00:00	20:00
Module 14: Perform designing and drafting for interior designing	06:00	24:00	00:00	00:00	30:00
Module 15: Perform record-keeping for interior designing	02:00	08:00	00:00	00:00	10:00
Module 16: On-the-job training for interior designing	00:00	00:00	90:00	00:00	90:00
Total Duration	12:00	48:00	90:00	00:00	150:00

Elective 2: Furniture Designing

NOS and Module Details	Theory Duration	Practical Duration	On-the-Job Training Duration (Mandatory)	On-the-Job Training Duration (Recommended)	Total Duration
FFS/N0238: Assist in site recce, designing, draughting and documentation of the Furniture Design Project NOS Version No. 1 NSQF Level- 3	12:00	48:00	90:00	00:00	150:00
Module 17: Performing site assessment and recce for furniture designing	04:00	16:00	00:00	00:00	20:00
Module 18: Perform designing and drafting for furniture designing	06:00	24:00	00:00	00:00	30:00
Module 19: Perform record-keeping for furniture designing	02:00	08:00	00:00	00:00	10:00
Module 20: On-the-job training for furniture designing	00:00	00:00	90:00	00:00	90:00
Total Duration	12:00	48:00	90:00	00:00	150:00

Elective 3: Product Designing

NOS and Module Details	Theory Duration	Practical Duration	On-the-Job Training Duration (Mandatory)	On-the-Job Training Duration (Recommended)	Total Duration
FFS/N0239: Assist in designing, draughting and documentation of the Product Design Project NOS Version No. 1 NSQF Level- 3	12:00	48:00	90:00	00:00	150:00
Module 21: Performing site assessment and recce for product designing	04:00	16:00	00:00	00:00	20:00
Module 22: Perform designing and drafting for product designing	06:00	24:00	00:00	00:00	30:00
Module 23: Perform record-keeping for product designing	02:00	08:00	00:00	00:00	10:00
Module 24: On-the-job training for product designing	00:00	00:00	90:00	00:00	90:00
Total Duration	12:00	48:00	90:00	00:00	150:00

Module Details

Module 1: Introduction to the Interiors and Allied industry

Bridge Module

Terminal Outcomes:

- Explain the scope and functioning of the Interiors industry.
- Describe the segments of the Interiors industry.
- Explain different categories of the Interiors projects.

Duration: 04:00	Duration: 08:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Describe the scope and significance of the Interiors industry. • Illustrate the process flow of an Interior Designing project. • Distinguish between Interior drafting, Interior Designing, and Interior project management. • Summarize the types of industries enabling Interiors Industry. • Explain the relationship between Interiors and the Furniture Industry. 	<ul style="list-style-type: none"> • Analyse different Interior projects for the purpose of categorization.
Classroom Aids	
White Board, Board Marker, Duster, Projector, Tablet, Chairs, Tables, Smart Board (Optional).	
Tools, Equipment, and Other Requirements	
Project/Theme based props as required.	

Module 2: Introduction to Interior projects, products, materials, and accessories

Bridge Module

Terminal Outcomes:

- Explain difference between various types of Interior Design projects and themes.
- Explain the various Interior Design products and its usage.
- Summarize the raw materials and accessories required for Interior Design projects.

Duration: 08:00	Duration: 12:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Classify different types of Interior Design projects in terms of space. • Describe various types of different Interior Designs themes. • List the various elements of an Interior Design project and its significance. • List the various types and categories of Interior products and its usage. • Define the various types of raw materials and accessories used in an Interior Design project. 	<ul style="list-style-type: none"> • Analyse different Interior projects and list out the Interior products used as per its category. • Examine the Interior projects and define the theme and elements.
Classroom Aids	
White Board, Board Marker, Duster, Projector, Tablet, Chairs, Tables, Smart Board (Optional).	
Tools, Equipment, and Other Requirements	
Project/Theme based props for simulation as required.	

Module 3: Organizational Skills

Bridge Module

Terminal Outcomes:

- Explain the various departments in an organisation structure.
- Discuss the importance of communication skills required for Assistant Interior Design Draftsperson.
- Communicate and perform basic financial transactions digitally.
- Demonstrate appropriate behaviour and work ethics.

Duration: 06:00	Duration: 16:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Illustrate the organizational structure and highlight the importance of the Interior Designing division. • Elaborate about various organizational processes, code of conduct, reporting matrix, and escalation hierarchy. • List all the documents required to carry out the job, such as job card and checklist for oneself. • Explain the importance of working towards team objectives and goals. • Explain the importance of effective communication and interpersonal skills. • Identify the common reasons for interpersonal conflicts and ways of managing them effectively. • Explain the importance of maintaining good habits related to health and hygiene. • Explain the basic parts of a computer, smartphones, and their functioning. • Distinguish between various social media platforms: YouTube, WhatsApp, Facebook, Twitter, etc. • Summarize the bank account opening procedure and associated terminologies. • State the significance of payment methods and gateways for financial transactions. 	<ul style="list-style-type: none"> • Demonstrate the use of appropriate behaviour and language while communicating with colleagues. • Demonstrate how to report problems that need escalation. • Demonstrate how to fill a sample job card for the submission. • Demonstrate active listening skills while communicating. • Demonstrate how to sign up for an email account. • Demonstrate how to search for a video on the internet. • Demonstrate how to operate various social media platforms: YouTube, WhatsApp, Facebook, Twitter, etc. • Demonstrate the steps involved in a financial transaction using a suitable medium.
Classroom Aids	
White Board, Board Marker, Duster, Projector, Tablet, Chairs, Tables, Smart Board (Optional).	
Tools, Equipment, and Other Requirements	
Sample of Job Cards, Sample of escalation matrix, organization structure, Project/Theme based props for simulation as required.	

Module 4: Role of a Multipurpose Draughtsperson (Design and Build)

Bridge Module

Terminal Outcomes:

- Explain the role and responsibilities of a Multipurpose Draughtsperson (Design and Build).
- Discuss the scope of work for a Multipurpose Draughtsperson (Design and Build).

Duration: 06:00	Duration: 00:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Describe the occupational map of the interior and furniture design industry. • Describe the Interior Designing occupation and related job roles. • Describe the Furniture Designing occupation and related job roles. • Describe the Product Designing occupation and related job roles. • Describe the attributes and basic skill sets required for a Multipurpose Draughtsperson (Design and Build). • Explain the role, responsibilities, and key result areas of a Multipurpose Draughtsperson (Design and Build). • Describe the career progression path for a Multipurpose Draughtsperson (Design and Build) job role. • Discuss the regulatory authorities, laws, and regulations related to an individual while working. • Explain the importance of job cards and timely reporting to supervisors in employee performance evaluation. 	
Classroom Aids	
White Board, Board Marker, Duster, Projector, Tablet, Chairs, Tables, Smart Board (Optional).	
Tools, Equipment, and Other Requirements	
N.A.	

Module 5: Site survey and recce

Mapped to FFS/N0235, v 1.0

Terminal Outcomes:

- Demonstrate the ability to interpret work instructions and prepare accordingly, ensuring a clear understanding of the tasks and requirements.
- Arrange and organize the necessary materials and equipment required for conducting a thorough recce
- Discuss the process of evaluating site conditions, including terrain, accessibility, and existing structures, and identifying potential risks, hazards, and environmental considerations.
- Perform the documentation and reporting process for the recce, aiding in the analysis of site layout and dimensions in relation to the project requirements.

Duration: 4:00	Duration: 16:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Explain the process of interpreting work instructions for daily job work • Explain the significance of planning the tasks sequence for daily job work. • Describe the selection criteria for various materials and equipment commonly used for conducting site surveys and recce • Illustrate the steps involved in interpreting the recce file during site survey • Explain the process of conducting site surveys and recce and pre-requisites involved in the same. • List various factors and variables that influence site conditions • Describe common techniques and tools used for site evaluation along with their functioning requirements • Explain applicable regulations, codes, and standards related to site evaluation during site survey or recce • Describe safety protocols and guidelines relevant to site evaluation activities. • List various environmental considerations and sustainable practices in respect to site survey or recce process • Describe common types of risks and hazards in the relevant industry or context • List all the pre-requisites of record keeping for physical site survey • Explain the purpose and importance of documenting and reporting findings accurately and comprehensively during recce/ site survey. 	<ul style="list-style-type: none"> • Demonstrate the ability to Interpret work instructions accurately and identify the key steps and requirements. • Demonstrate effective organization of the work according to the specified sequence of tasks • Select the appropriate materials and equipment based on the recce checklist and arrange them for the site survey and recce. • Conduct site survey and recce in compliance with safety and regulatory requirements and established standards. • Assist in the evaluation of site conditions by recognizing different terrain types, accessibility factors, and existing structures available at the site • Apply appropriate techniques and use relevant tools to gather necessary measurements and make accurate observations during site evaluation • Identify potential site hazards or risks by incorporating appropriate safety protocols and guidelines • Identify potential environmental impacts while conducting site survey and recce • Identify potential risks and hazards while conducting site survey and recce • Gather and organize the necessary documentation or forms for the findings during site survey and recce • Demonstrate how to manage records and documents during site survey and recce

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| <ul style="list-style-type: none"> • Explain the concept of site layout and its significance in project planning. • Explain the principles of spatial analysis and measurement techniques relevant to site layout and dimensions. • State the role of different Mechanical, Plumbing, and Electrical (MEP) points on the site layout | <ul style="list-style-type: none"> • Identify and recognize different elements and components of the site layout, such as access points, boundaries, etc. • Apply appropriate measurement techniques, tools or software's to accurately analyze the site layout and dimensions |
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Classroom Aids

White Board, Board Marker, Duster, Projector, Tablet, Chairs, Tables, Smart Board (Optional).

Tools, Equipment, and Other Requirements

Sketching/Drafting Books, Measurement and Marking Tools, Sample of measurement sheet, Appropriate Design Software as required

Module 6: Measurement and marking at worksite

Mapped to FFS/N0235, v 1.0

Terminal Outcomes:

- Demonstrate the ability to assist in accurate measurement, marking, and documentation of site details, following specified layouts and instructions.
- Assist in capturing photographs or videos to support the site assessment
- Organize and maintain site recce records and summarizes the findings of the site assessment, including measurements, observations, and relevant details.
- Describe the pre-requisites involved in the process of site survey and recce

Duration: 08:00	Duration: 32:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Describe various marking techniques and tools used during a site survey or recce • List various symbols, codes, and standards related to marking during on-site operation. • Describe the record-keeping techniques to capture the site details, measurements, and observations during the process of site survey or recce. • Explain the purpose and importance of capturing photographs or videos to support site assessment. • Explain various techniques associated with the videography or photography process at on-site • Describe the operation and functions of the equipment used for capturing photographs or videos. • Explain record-keeping principles and various requisites required in the process • Describe the operating procedure for various digital tools or software used for organizing and maintaining site recce records. • Discuss the periodic review and update process of the site recce records for any changes and updates in the project. • Identify common errors, inconsistencies, and ambiguities that can occur in documentation • Describe various elements for the site assessment reports and how to identify them based on site recce details. 	<ul style="list-style-type: none"> • Employ appropriate marking techniques and use relevant tools to mark according to specified layouts and instructions safely • Specify the relevant symbols or codes on the marking performed at the worksite • Collect and record accurate site details, measurements, and observations using appropriate techniques and tools. • Employ appropriate photography or videography techniques to capture clear, well-composed, and well-lit visual documentation for site assessment. • Demonstrate how to operate the equipment effectively and utilize its functions to capture high-quality photographs or videos • Organize and categorize site recce records systematically using required tools to facilitate easy retrieval and reference. • Demonstrate how to review and update site recce records periodically, incorporating any changes or updates. • Review the documentation to identify and correct errors, inconsistencies, and ambiguities. • Assist in analysing and interpreting the collected data to prepare the report clearly and concisely.

Classroom Aids

White Board, Board Marker, Duster, Projector, Tablet, Chairs, Tables, Smart Board (Optional).

Tools, Equipment, and Other Requirements

Sketching/Drafting Books, Measurement and Marking Tools, Sample of measurement sheet,
Appropriate Design Software as required

Module 7: Perform designing and drafting work

Mapped to FFS/N0236, v 1.0

Terminal Outcomes:

- Assist in drafting layouts and drawings based on site survey and recce reports, incorporating appropriate dimensions, annotations, symbols, and supporting documents.
- Ensure timely completion of assigned drafting tasks and projects, maintaining accuracy and completeness in the drawings, and reporting progress to the relevant authority.

Duration: 08:00	Duration: 34:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Describe various layout ideas and instructions that are pertinent to the field or the situation. • List all relevant terminology and jargon used in design concepts and their significance • Explain how to correctly comprehend design principles and directions, using examples. • Differentiate between drafting tools and techniques based on their specific usage. • Participants will be able to explain the principles of scale, proportion, and dimensioning in drafting layouts and drawings (Understand). • Participants will be able to identify the symbols, notations, and conventions used in architectural or engineering drawings relevant to the project (Identify). • Discuss the basics of mood board and its significance in the designing process • Describe the terminologies of visual hierarchy, typography, color theory, and image selection with respect to layout designing. • Describe the parameters affecting the quality and quality assurance processes to ensure the accuracy and completeness of drawings. • State the significance of time management and work monitoring skills for performing assigned tasks • Discuss the project management principles, including time management and prioritization techniques for meeting project deadlines of drafting related tasks. • Participants will be able to describe reporting procedures and communication 	<ul style="list-style-type: none"> • Identify and comprehend the design concepts and instructions provided for ensure accurate interpretation process • Employ suitable methods and techniques for interpreting design concepts and instructions. • Apply the appropriate drafting techniques, tools, and software to create layouts and drawings that align with a site survey and recce reports. • Employ the appropriate principles of scale, proportion, and dimension, along with suitable symbols and notations to accurately represent the layouts and drawings. • Employ appropriate layout design tools, software, and techniques to create mood boards and models. • Demonstrate how to incorporate visual hierarchy, typography, color theory, and image selection in creating layouts • Demonstrate how to implement quality control and quality assurance processes to review and verify the accuracy and completeness of drawings. • Prepare a sample measurement sheet and a job card sample for submission • Apply effective time management and prioritization techniques to complete the drafting tasks and projects within the specified timeframe. • Display appropriate reporting procedures and communication protocols to provide updates on the progress of drafting tasks and projects to the concerned authority.

<p>protocols within the organization or project team (Describe).</p> <ul style="list-style-type: none"> • Discuss the elements of architectural and furniture drawings 	
<p>Classroom Aids</p>	
<p>White Board, Board Marker, Duster, Projector, Tablet, Chairs, Tables, Smart Board (Optional).</p>	
<p>Tools, Equipment, and Other Requirements</p>	
<p>Sketching/Drafting Books, Drafting instruments and Table, Measurement and Marking Tools, , Appropriate Design Software as required</p>	

Module 8: Documentation of job work

Mapped to FFS/N0236, v 1.0

Terminal Outcomes:

- Maintain and organize up-to-date project files and drawings, including proper documentation of design changes, revisions, and version control.
- Ensure consistency of drawings and design documentation according to organizational policies, maintaining accuracy and adherence to established standards.
- Demonstrate ability to operate and maintain the drawing and documentation library, ensuring easy access and retrieval of required files.
- Discuss the process of addressing queries and feedback from supervisors and assigned project teams

Duration: 02:00	Duration: 08:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Describe the process of implementing file management principles, including folder structures, naming conventions, and file formats in documentation library • Explain the purpose and benefits of maintaining a documentation library with effective record keeping techniques. • Describe organizational policies and standards related to maintaining documentation library and record keeping. • Explain the importance of visual elements, formatting, and layout in maintaining design consistency • Participants will be able to identify quality control procedures, including review processes, error checking, and verification (Identify). • Explain the process of creating a documentation library within the organization. • Describe various library management principles, including classification systems, indexing, and cataloguing techniques for creating a document library. • Discuss the purpose and usage of various digital document management systems and software used in the documenting process • Explain the significance of timely responses to queries and feedback for effective communication. • Describe the purpose of different communication protocols and channels used within the organization. 	<ul style="list-style-type: none"> • Organize the project files and drawings according to appropriate folder structures, naming conventions, and formats using effective file management practices. • Demonstrate the ability to document and track design changes, revisions, and version control by using appropriate documentation methods. • Apply design consistency principles to ensure uniformity in drawings and design documentation based on standard organizational policies. • Implement quality control checkpoints for maintaining the consistency and accuracy of drawings and design documentation. • Prepare the drawing and documentation library to access, organize, and manage relevant documents. • Employ appropriate digital document management systems and software to accurately store, organize, and classify drawings and documentation • Demonstrate timely responses to queries and feedback from supervisors and project stakeholders to facilitate effective communication and collaboration. • Employ appropriate communication protocols and skills to respond to queries and feedback from supervisors and project stakeholders effectively.

- Discuss the significance of active listening and comprehension skills in resolving queries effectively.

Classroom Aids

White Board, Board Marker, Duster, Projector, Tablet, Chairs, Tables, Smart Board (Optional).

Tools, Equipment, and Other Requirements

N.A.

Module 9: Learning and professional development

Mapped to FFS/N0236, v 1.0

Terminal Outcomes:

- Demonstrate the ability to effectively create and communicate technical drawings and designs.
- Explain the importance of staying abreast with the latest software tools and techniques in the field of draughting and design
- Employ appropriate training programs, workshops, or professional development activities to enhance skills, expand knowledge, and adapt to evolving industry practices
- Discuss the importance of continuous learning and improvement for personal and professional growth

Duration: 02:00	Duration: 06:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Describe the different processes related to draughting, design, and related technologies • Identify the commonly used software tools and techniques in draughting and design. • Explain the significance of participating in training programs, workshops, or professional development activities for personal and professional growth. 	<ul style="list-style-type: none"> • Identify the specific processes and constraints required in draughting, design, and related technologies for different tasks and projects. • Demonstrate the effective usage of the latest software tools and techniques in draughting and design tasks. • Demonstrate a proactive approach to learning by seeking additional resources, asking questions, and seeking clarification during training programs, workshops, or professional development activities.
Classroom Aids	
White Board, Board Marker, Duster, Projector, Tablet, Chairs, Tables, Smart Board (Optional).	
Tools, Equipment, and Other Requirements	
N.A.	

Module 10: Health and safety practices at the worksite

Mapped to FFS/N8205, v 3.0

Terminal Outcomes:

- Describe how to maintain a healthy, safe, and secure environment at the worksite.
- Implement safety practices and optimize the use of resources.
- Demonstrate health and safety procedures.
- Employ personal hygiene practices at the worksite.
- Develop the ability to follow hygiene practices.

Duration: 08:00	Duration: 12:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Discuss organizational hygiene and sanitation guidelines and ways of reporting breaches/gaps if any. • State the importance of using appropriate colour dustbins for different types of waste. • Discuss the significance of conforming to health and safety legislation, regulations, and other relevant guidelines. • Label appropriate personal protective equipment needed for a job role and their application. • Explain the importance of work ethics, dress code and personal hygiene. • Discuss the various types of cleaning consumable required for maintaining personal hygiene. • Identify the given pictorial representations of safety signs and hand signals. • Explain the operational guidelines for usage of tools and equipment. • Describe the storage and handling procedure for hazardous substances. 	<ul style="list-style-type: none"> • Demonstrate how to analyse the worksite for any organizational and safety breaches. • Demonstrate different disposal techniques depending upon different types of waste. • Employ suitable health and safety legislations while working all times. • Demonstrate the use of personal protective equipment such as goggles, gloves, ear plugs, shoes etc. • Display the correct way of wearing and removing PPE such as face masks, hand gloves, face shields, PPE suits, etc. • Demonstrate the correct way of sanitizing and washing the hands. • Demonstrate the working of warning labels, symbols and other related signages. • Employ different ways to check if equipment/machines are functioning as per requirements and report malfunctioning, if observed. • Demarcate the waste on the basis of recyclable and non-recyclable material.
Classroom Aids	
White Board, Board Marker, Duster, Projector, Tablet, Chairs, Tables, Smart Board (Optional).	
Tools, Equipment, and Other Requirements	
Personal Protective Equipment, Housekeeping- Materials, Tools and Equipment, Theme-based props.	

Module 11: Greening practices at worksite

Mapped to FFS/N8205, v 2.0

Terminal Outcomes:

- Use the resources at the worksite efficiently.
- Apply conservation practices at the worksite.

Duration: 04:00	Duration: 06:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Explain the various ways of saving energy. • Explain the benefits of periodic cleaning of tools and equipment. 	<ul style="list-style-type: none"> • Demonstrate ways for efficient utilization of material and water. • Employ different ways to check if tools and equipment are functioning correctly and report anomalies if any.
Classroom Aids	
White Board, Board Marker, Duster, Projector, Tablet, Chairs, Tables, Smart Board (Optional)	
Tools, Equipment, and Other Requirements	
Housekeeping- Materials, Tools and Equipment, Theme-based props.	

Module 12: Employability Skills

Mapped to DGT/VSQ/N0101, v 1.0

Terminal Outcomes:

- Discuss the importance of Employability skills and its relevance in personal growth.
- Demonstrate excellent communication and interpersonal skills in various workplace settings.
- Discuss best practices towards gender sensitization and PwD.
- Demonstrate a strong work ethic and the ability to work effectively using effective employability skills.

Duration: 15:00	Duration: 15:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Discuss the importance of Employability Skills in meeting the job requirements. • Explain constitutional values, civic rights, duties, citizenship, responsibility towards society, etc. that must be followed to become a responsible citizen. • Discuss 21st-century skills. • Discuss the significance of reporting sexual harassment issues in time. • Discuss the significance of using financial products and services safely and securely. • Explain the importance of managing expenses, income, and savings. • Explain the significance of approaching the concerned authorities in time for any exploitation as per legal rights and laws. • Discuss the significance of safely and securely using the internet for browsing and accessing social media platforms. • Discuss the need to identify potential business opportunities, sources for arranging money, and possibly legal and financial challenges. • Explain the significance of identifying customer needs and addressing them. • Discuss the significance of maintaining hygiene and dressing appropriately. • Discuss the significance of dressing up neatly and maintaining hygiene for an interview. • Discuss how to search and register for apprenticeship opportunities. 	<ul style="list-style-type: none"> • Show how to practice different environmentally sustainable practices. • Display a positive attitude, self-motivation, problem-solving, time management skills, and a continuous learning mindset in different situations. • Use appropriate basic English sentences/phrases while speaking. • Demonstrate how to communicate in a well-mannered way with others. • Demonstrate working with others in a team. • Show how to conduct oneself appropriately with all genders and PwD. • Show how to operate digital devices and safely and securely use the associated applications and features. • Differentiate between types of customers. • Create a biodata. • Use various sources to search and apply for jobs.
Classroom Aids	
White Board, Board Marker, Duster, Projector, Tablet, Chairs, Tables, Smart Board (Optional).	
Tools, Equipment, and Other Requirements	
Sample Biodata, Payment Gateway devices.	

Module 13: Performing site assessment and recce for Interior designing

Mapped to FFS/N0237, v 1.0

Terminal Outcomes:

- Interpret interior design project briefs and specifications accurately, ensuring a clear understanding of client requirements and design objectives.
- Assist in conducting thorough site assessments and reconnaissance for interior design projects, analysing space conditions, constraints, and potential design opportunities.
- Discuss importance of team collaboration and effective communication during interior design projects

Duration: 04:00	Duration: 16:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Describe the process of interpreting and analyzing project specifications in interior design projects. • Differentiate different types of interior design project briefs and specifications based on project type. • Explain the purpose and objectives of conducting a site assessment and recce for an interior design project • List the key considerations such as site measurements, existing conditions, environmental factors, and client requirements for conducting site assessment in an interior design project. • Explain the role and responsibilities of different team members involved in the interior design project for grievance redressal. • Explain the process of resolving doubts and clarifying project objectives for successful execution. 	<ul style="list-style-type: none"> • Analyze interior design project briefs to identify key requirements and constraints. • Conducting a comprehensive site assessment and recce of an interior design project using suitable methods and tools and capturing relevant information • Demonstrate effective communication with team members, understanding their respective roles and responsibilities and seeking clarification when needed. • Demonstrate the steps involved in clarifying doubts from the supervisor or concerned teams
Classroom Aids	
White Board, Board Marker, Duster, Projector, Tablet, Chairs, Tables, Smart Board (Optional).	
Tools, Equipment, and Other Requirements	
Sample interior project docket, measurement and marking tools, sample measurement sheet, notebook and pen/markers.	

Module 14: Perform designing and drafting for interior designing

Mapped to FFS/N0237, v 1.0

Terminal Outcomes:

- Demonstrate the ability to prepare accurate and detailed technical drawings, including 2D floor plans, elevations, perspectives, and interior drafts, in accordance with site survey and reconnaissance reports.
- Prepare the basic visual references, such as images and samples to support the design research
- Demonstrate proficiency in modifying, revising, and editing drawings and drafts as per supervisor's instructions and compliance with building codes and regulations in interior design.

Duration: 06:00	Duration: 24:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Explain the purpose and objectives of drafting layouts and drawings based on site surveys and recce reports in an interior design project • List different types of technical drawings used in interior designing along with the tools required to prepare the same • List different types of tools and softwares for creating technical drawings related to interior designing. • Explain the purpose and importance of design research in interior designing. • Identify various sources and methods for conducting design research, including online platforms, libraries, material catalogs, and industry publications. • Explain the purpose and importance of modifying, revising, editing, and changing drawings and drafts in the context of interior designing. • Identify design principles, techniques, and industry standards for creating and modifying drawings and drafts in interior designing. • Explain the importance of accuracy and completeness in various drawings for interior designing projects • Explain the relevance and significance of building codes and regulations in interior design and their impact on the safety, functionality, and aesthetics of the space. 	<ul style="list-style-type: none"> • Apply knowledge of interior design principles, spatial planning, and construction techniques to develop required layouts and drawings • Apply appropriate techniques and tools to create detailed technical drawings, such as 2D floor plans, elevations, perspectives, and drafts/drawings in the field of Interior Designing. • Demonstrate the usage of different software tools and applications, such as AutoCAD, SketchUp, or other similar software in the field of Interior Designing. • Participate in design research activities by preparing basic visual references, such as images and samples in Interior Designing. • Demonstrate the usage of various internet platforms, libraries, material catalogs, and industry publications to identify appropriate visual references for design research. • Employ suitable design principles, techniques, and tools to modify, revise, edit, and change drawings and drafts in accordance with the instructions provided by supervisors • Verify the accuracy and completeness of the drawings, including assembly details, construction details, etc., to meet the required standards and specifications in the field of Interior Designing. • Interpret and apply appropriate building codes and regulations to ensure compliance

<ul style="list-style-type: none"> List applicable building codes and regulations related to interior design and their specific purposes 	<p>in interior design projects, adhering to the required standards and guidelines</p>
<p>Classroom Aids</p>	
<p>White Board, Board Marker, Duster, Projector, Tablet, Chairs, Tables, Smart Board (Optional).</p>	
<p>Tools, Equipment, and Other Requirements</p>	
<p>Designing and drafting tools, CAD software, sample interior design drawings, sketching tools.</p>	

Module 15: Perform record-keeping for interior designing

Mapped to FFS/N0237, v 1.0

Terminal Outcomes:

- Maintain and organize up-to-date interior design project files and drawings, including accurate records of design changes, revisions, and version control.
- Prepare comprehensive materials lists, finishes lists, accessories lists, furniture lists, and hardware lists based on the specifications provided in the drawings.
- Discuss the organizational policies related to worksite documentation and record-keeping

Duration: 02:00	Duration: 08:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Explain the significance and objectives of maintaining organized and up-to-date project files and drawings in the interior design project • Describe the relationship between drawing specifications and the corresponding lists of materials, finishes, accessories, furniture, and hardware. • List different materials, finishes, accessories, furniture, and hardware commonly used in interior design projects. • Explain the purpose and importance of drawing files and material library in interior design projects. • List different types of drawing files and formats used in interior design projects along with their specific usages • Explain the organization's policies and procedures for design documentation management 	<ul style="list-style-type: none"> • Demonstrate the usage of project management software, document management systems, and version control systems to monitor and manage interior design project files and drawings. • Analyze drawing specifications to determine the required materials, finishes, accessories, furniture, and hardware for the interior design project. • Select appropriate materials, finishes, accessories, furniture, and hardware based on drawing specifications. • Prepare and maintain a documentation library for different types of drawing files and formats used in interior design projects • Maintain the design documentation library in compliance with the organization's policies and procedures of interior designing.
Classroom Aids	
White Board, Board Marker, Duster, Projector, Tablet, Chairs, Tables, Smart Board (Optional).	
Tools, Equipment, and Other Requirements	
Sample interior design docket, record keeping sheets, material finish samples, sample of finishes, accessories, furniture, and hardware.	

Module 16: On-the-job training for interior designing

Mapped to FFS/N0237, v 1.0

Mandatory Duration: 90:00	Recommended Duration: 00:00
Module Name: On-the-Job Training	
Location: On-Site	
Terminal Outcomes	
<ul style="list-style-type: none"> Analyse and interpret interior design project briefs and specifications to understand the objectives and requirements of the project. Identify key elements and considerations outlined in the briefs and specifications. Conduct a thorough site assessment and recce to gather information about the existing space. Assist in evaluating the site conditions, such as dimensions, layout, architectural features, and other relevant factors. Demonstrate effective communication with team members to clarify any doubts or uncertainties regarding the project objectives and scope of work. Explain the importance of seeking clarification from supervisors or relevant stakeholders to ensure a clear understanding of the project requirements. Create preliminary layouts and drawings based on the findings from the site survey and recce reports. Assist in representing the spatial arrangement and design concepts through sketches or digital drawings. Assist in the creation of detailed technical drawings, including 2D floor plans, elevations, perspectives, and interior drafts/drawings, as per the instructions provided by supervisors. Prepare the basic visual references, such as images, samples, or mood boards, to convey design concepts and inspirations and support the design research. Employ suitable methods to gather relevant visual references that align with the project objectives and design direction. Modify, revise, edit, and change drawings and drafts as per instructions from supervisors Perform the review and verification of the accuracy and completeness of the drawings, including assembly details, construction details, and other relevant information. Assist in maintaining a high level of precision and attention to detail in the drawings to ensure the design intent is accurately communicated. Discuss the importance of compliance with building codes and regulations in interior design Demonstrate the process of incorporating necessary design elements to meet safety, accessibility, and legal requirements. Assist in maintaining organized and up-to-date project files and drawings to facilitate effective project management. Prepare comprehensive lists of materials, finishes, accessories, furniture, hardware, and other design elements as per the drawing specifications. Perform the documentation and record-keeping of the required items to facilitate procurement and implementation processes Organize and maintain the drawing files and material library for interior design projects. Assist in maintaining consistency and adherence to established protocols for efficient design documentation handling. 	

Module 17: Performing site assessment and recce for furniture designing

Mapped to FFS/N0238, v 1.0

Terminal Outcomes:

- Interpret furniture design project briefs and specifications accurately, ensuring a clear understanding of client requirements and design objectives.
- Assist in conducting thorough site assessments and reconnaissance for furniture design projects, analysing space conditions, constraints, and potential design opportunities.
- Discuss importance of team collaboration and effective communication during furniture design projects

Duration: 04:00	Duration: 16:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Describe the process of interpreting and analyzing project specifications in furniture design projects. • Differentiate different types of furniture design project briefs and specifications based on project type. • Explain the role and responsibilities of different team members involved in the furniture design project for grievance redressal. • Explain the process of resolving doubts and clarifying project objectives for successful execution. • Explain the purpose and objectives of conducting a site assessment and recce for an interior design project • different types of spaces and their specific requirements in terms of furniture placement and sizing, such as residential, commercial, hospitality, and institutional spaces. 	<ul style="list-style-type: none"> • Analyze furniture design project briefs to identify key requirements and constraints. • Demonstrate effective communication with team members, understanding their respective roles and responsibilities and seeking clarification when needed. • Demonstrate the steps involved in clarifying doubts from the supervisor or concerned teams • Conducting a comprehensive site assessment and recce of a furniture design project using suitable methods and tools and capturing relevant information • Analyze different spaces and their specific requirements in furniture placement and sizing
Classroom Aids	
White Board, Board Marker, Duster, Projector, Tablet, Chairs, Tables, Smart Board (Optional).	
Tools, Equipment, and Other Requirements	
Sample furniture project docket, measurement and marking tools, sample measurement sheet, notebook and pen/markers.	

Module 18: Perform designing and drafting for furniture designing

Mapped to FFS/N0238, v 1.0

Terminal Outcomes:

- Demonstrate the ability to develop, modify, revise, edit, and change furniture drawings and drafts in accordance with instructions from supervisors.
- Create accurate and detailed furniture design drawings, including 2D perspectives, exploded views, part lists, and material lists, using CAD software and relevant drafting tools.
- Preparing visual references, such as images and samples, to support design research, and incorporate specified materials, finishes, and accessories into furniture drawings.
- Discuss the principles of ergonomics and functionality while considering dimensioning, tolerance, assembly techniques, and design criteria for furniture design.

Duration: 06:00	Duration: 24:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Explain the purpose and objectives of developing, modifying, revising, editing, changing drawings and drafts as per the instructions from supervisors in furniture design • Explain the functionality of CAD software for furniture design, including 2D drafting tools, dimensioning, layer management, and file formats. • Explain principles and techniques of creating accurate and detailed furniture design drawings. • Describe the appropriate use and operation of drafting tools relevant to furniture design • Identify different types of furniture design drawings and their purposes, such as 2D perspectives, exploded views, part lists, and material lists. • Explain the significance and objectives of preparing basic visual references, such as images and samples, to support design research in furniture design • Explain sketching techniques, such as line work, shading, hatching, and rendering, to convey different textures, materials, and lighting effects in sketches. • Discuss aesthetic considerations and design intent in furniture design, and their reflection in sketching. • List commonly used sketching tools and materials along with their specific purposes in furniture design sketching. 	<ul style="list-style-type: none"> • Interpret and comprehend the instructions provided by supervisors regarding the required changes and modifications to the drawings and drafts using suitable tools. • Demonstrate effective use of CAD software and drafting tools to create accurate and detailed furniture design drawings. • Create various types of furniture design drawings, such as 2D perspectives, exploded views, part lists, and material lists, accurately • Demonstrate the ability to prepare visual references to support furniture design research and concept development • Prepare hand-drawn sketches of furniture using suitable appropriate sketching techniques, tools, and aesthetic considerations. • Select and utilize appropriate sketching tools and materials, whether traditional or digital, to create furniture design • Select and incorporate appropriate materials, finishes, and accessories into furniture drawings based on specified requirement. • Apply dimensioning principles and practices to incorporate appropriate dimensions, tolerances, and annotations in drawings • Demonstrate the preparation of furniture drawings with the integration of appropriate assembly, finishing, joinery, and hardware details

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| <ul style="list-style-type: none"> • Identify and describe different materials, finishes, and accessories commonly used in furniture design. • Explain dimensioning principles and practices, including the use of dimensions, tolerances, and annotations to communicate size, fit, and assembly requirements. • Explain assembly and finishing techniques in furniture design • Explain the principles and considerations for selecting appropriate joinery techniques in furniture design. • Discuss hardware and fastening systems used in furniture assembly, including their types, functions, and installation methods. • Explain the key principles of ergonomics and their relevance in furniture design. • Discuss the factors that influence ergonomics and functionality in furniture design • Explain the defined design criteria and principles for furniture design, including aspects such as functionality, ergonomics, aesthetics, material selection, and construction techniques. | <ul style="list-style-type: none"> • Apply the principles of ergonomics in furniture design, considering factors such as user comfort, posture, and usability. • Perform review of the furniture design drafts against defined design criteria and principles, ensuring adherence to established guidelines and standards |
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Classroom Aids

White Board, Board Marker, Duster, Projector, Tablet, Chairs, Tables, Smart Board (Optional).

Tools, Equipment, and Other Requirements

Designing and drafting tools, CAD software, sample furniture drawings, sketching tools.

Module 19: Perform record-keeping for furniture designing

Mapped to FFS/N0238, v 1.0

Terminal Outcomes:

- Maintain and organize up-to-date furniture design project files and drawings, including accurate records of design changes, revisions, and version control.
- Prepare comprehensive materials lists, finishes lists, accessories lists, furniture lists, and hardware lists based on the specifications provided in the drawings.
- Discuss the organizational policies related to worksite documentation and record-keeping

Duration: 02:00	Duration: 08:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Explain the significance and objectives of maintaining organized and up-to-date project files and drawings in the furniture design project • Describe the relationship between drawing specifications and the corresponding lists of materials, finishes, accessories, furniture, and hardware. • List different materials, finishes, accessories, furniture, and hardware commonly used in furniture design projects. • Explain the purpose and importance of drawing files and material library in furniture design projects. • List different types of drawing files and formats used in furniture design projects along with their specific usages • Explain the organization's policies and procedures for design documentation management 	<ul style="list-style-type: none"> • Demonstrate the usage of project management software, document management systems, and version control systems to monitor and manage furniture design project files and drawings. • Analyze drawing specifications to determine the required materials, finishes, accessories, furniture, and hardware for the furniture design project. • Select appropriate materials, finishes, accessories, furniture, and hardware based on drawing specifications. • Prepare and maintain a documentation library for different types of drawing files and formats used in furniture design projects • Maintain the design documentation library in compliance with the organization's policies and procedures of furniture designing.
Classroom Aids	
White Board, Board Marker, Duster, Projector, Tablet, Chairs, Tables, Smart Board (Optional).	
Tools, Equipment, and Other Requirements	
Sample furniture design docket, record keeping sheets, material finish samples, sample of finishes, accessories, furniture, and hardware.	

Module 20: On-the-job training for furniture designing

Mapped to FFS/N0238, v 1.0

Mandatory Duration: 90:00	Recommended Duration: 00:00
Module Name: On-the-Job Training	
Location: On-Site	
Terminal Outcomes	
<ul style="list-style-type: none"> Analyse and interpret furniture design project briefs and specifications to understand the objectives and requirements of the project. Identify key elements and considerations outlined in the briefs and specifications. Conduct a thorough site assessment and recce to gather information about the existing space. Assist in evaluating the site conditions, such as dimensions, layout, architectural features, and other relevant factors. Demonstrate effective communication with team members to clarify any doubts or uncertainties regarding the project objectives and scope of work. Explain the importance of seeking clarification from supervisors or relevant stakeholders to ensure a clear understanding of the project requirements. Create preliminary layouts and drawings based on the findings from the site survey and recce reports. Assist in representing the spatial arrangement and design concepts through sketches or digital drawings. Assist in the creation of detailed technical drawings, including 2D floor plans, elevations, perspectives, and furniture drafts/drawings, as per the instructions provided by supervisors. Prepare the basic visual references, such as images, samples, or mood boards, to convey design concepts and inspirations and support the design research. Employ suitable methods to gather relevant visual references that align with the project objectives and design direction. Modify, revise, edit, and change drawings and drafts as per instructions from supervisors Perform the review and verification of the accuracy and completeness of the drawings, including assembly details, construction details, and other relevant information. Assist in maintaining a high level of precision and attention to detail in the drawings to ensure the design intent is accurately communicated. Discuss the importance of compliance with building codes and regulations in furniture design Demonstrate the process of incorporating necessary design elements to meet safety, accessibility, and legal requirements. Assist in maintaining organized and up-to-date project files and drawings to facilitate effective project management. Prepare comprehensive lists of materials, finishes, accessories, furniture, hardware, and other design elements as per the drawing specifications. Perform the documentation and record-keeping of the required items to facilitate procurement and implementation processes Organize and maintain the drawing files and material library for furniture design projects. Assist in maintaining consistency and adherence to established protocols for efficient design documentation handling. 	

Module 21: Performing site assessment and recce for product designing

Mapped to FFS/N0239, v 1.0

Terminal Outcomes:

- Interpret product design project briefs and specifications accurately, ensuring a clear understanding of client requirements and design objectives.
- Assist in conducting thorough site assessments and reconnaissance for product design projects, analysing space conditions, constraints, and potential design opportunities.
- Discuss importance of team collaboration and effective communication during product design projects

Duration: 04:00	Duration: 16:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Describe the process of interpreting and analysing project specifications in product design projects. • Differentiate different types of product design project briefs and specifications based on project type. • Explain the role and responsibilities of different team members involved in the product design project for grievance redressal. • Explain the process of resolving doubts and clarifying project objectives for successful execution. • Explain the purpose and objectives of conducting a site assessment and recce for an product design project • List the key considerations such as site measurements, existing conditions, environmental factors, and client requirements for conducting site assessment in an product design project. 	<ul style="list-style-type: none"> • Analyze product design project briefs to identify key requirements and constraints. • Demonstrate effective communication with team members, understanding their respective roles and responsibilities and seeking clarification when needed. • Demonstrate the steps involved in clarifying doubts from the supervisor or concerned teams • Conducting a comprehensive site assessment and recce of a product design project using suitable methods and tools and capturing relevant information
Classroom Aids	
White Board, Board Marker, Duster, Projector, Tablet, Chairs, Tables, Smart Board (Optional).	
Tools, Equipment, and Other Requirements	
Sample product design project docket, measurement and marking tools, sample measurement sheet, notebook and pen/markers.	

Module 22: Perform designing and drafting for product designing

Mapped to FFS/N0239, v 1.0

Terminal Outcomes:

- Demonstrate the ability to develop, modify, revise, edit, and change product drawings and drafts in accordance with instructions from supervisors.
- Create accurate and detailed product design drawings, including 2D perspectives, exploded views, part lists, and material lists, using CAD software and relevant drafting tools.
- Preparing visual references, such as images and samples, to support design research, and incorporate specified materials, finishes, and accessories into product drawings.
- Discuss the principles of ergonomics and functionality while considering dimensioning, tolerance, assembly techniques, and design criteria for product design.

Duration: 06:00	Duration: 24:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Explain the purpose and objectives of developing, modifying, revising, editing, changing drawings and drafts as per the instructions from supervisors in product design • Explain the functionality of CAD software for product design, including 2D drafting tools, dimensioning, layer management, and file formats. • Explain principles and techniques of creating accurate and detailed product design drawings. • Describe the appropriate use and operation of drafting tools relevant to product design • Identify different types of product design drawings and their purposes, such as 2D perspectives, exploded views, part lists, and material lists. • Explain the significance and objectives of preparing basic visual references, such as images and samples, to support design research in product design • Explain sketching techniques, such as line work, shading, hatching, and rendering, to convey different textures, materials, and lighting effects in sketches. • Discuss aesthetic considerations and design intent in product design, and their reflection in sketching. • List commonly used sketching tools and materials along with their specific purposes in product design sketching. 	<ul style="list-style-type: none"> • Interpret and comprehend the instructions provided by supervisors regarding the required changes and modifications to the drawings and drafts using suitable tools. • Demonstrate effective use of CAD software and drafting tools to create accurate and detailed product design drawings. • Create various types of product design drawings, such as 2D perspectives, exploded views, part lists, and material lists, accurately • Demonstrate the ability to prepare visual reference to support product design research and concept development • Prepare hand-drawn sketches of product using suitable appropriate sketching techniques, tools, and aesthetic considerations. • Select and utilize appropriate sketching tools and materials, whether traditional or digital, to create product design • Select and incorporate appropriate materials, finishes, and accessories into product drawings based on the specified requirement. • Apply dimensioning principles and practices to incorporate appropriate dimensions, tolerances, and annotations in drawings • Demonstrate the preparation of product drawings with the integration of appropriate assembly, finishing, joinery, and hardware details

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| <ul style="list-style-type: none"> • Identify and describe different materials, finishes, and accessories commonly used in product design. • Explain dimensioning principles and practices, including the use of dimensions, tolerances, and annotations to communicate size, fit, and assembly requirements. • Explain assembly and finishing techniques in product design • Explain the principles and considerations for selecting appropriate joinery techniques in product design. • Discuss hardware and fastening systems used in product assembly, including their types, functions, and installation methods. • Identify and explain design criteria and principles relevant to product design. • State the significance of adhering to design criteria and principles in product design. | <ul style="list-style-type: none"> • Demonstrate the process of reviewing design draughts with defined design criteria and principles. |
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Classroom Aids

White Board, Board Marker, Duster, Projector, Tablet, Chairs, Tables, Smart Board (Optional).

Tools, Equipment, and Other Requirements

Designing and drafting tools, CAD software, sample product drawing, sketching tools.

Module 23: Perform record-keeping for product designing

Mapped to FFS/N0239, v 1.0

Terminal Outcomes:

- Maintain and organize up-to-date product design project files and drawings, including accurate records of design changes, revisions, and version control.
- Prepare comprehensive materials lists, finishes lists, accessories lists, furniture lists, and hardware lists based on the specifications provided in the drawings.
- Discuss the organizational policies related to worksite documentation and record-keeping

Duration: 02:00	Duration: 08:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Explain the significance and objectives of maintaining organized and up-to-date project files and drawings in the product design project • Describe the relationship between drawing specifications and the corresponding lists of materials, finishes, accessories, furniture, and hardware. • List different materials, finishes, accessories, furniture, and hardware commonly used in product design projects. • Explain the purpose and importance of drawing files and material library in product design projects. • List different types of drawing files and formats used in product design projects along with their specific usages • Explain the organization's policies and procedures for design documentation management 	<ul style="list-style-type: none"> • Demonstrate the usage of project management software, document management systems, and version control systems to monitor and manage product design project files and drawings. • Analyze drawing specifications to determine the required materials, finishes, accessories, furniture, and hardware for the product design project. • Select appropriate materials, finishes, accessories, furniture, and hardware based on drawing specifications. • Prepare and maintain a documentation library for different types of drawing files and formats used in product design projects • Maintain the design documentation library in compliance with the organization's policies and procedures of product designing.
Classroom Aids	
White Board, Board Marker, Duster, Projector, Tablet, Chairs, Tables, Smart Board (Optional).	
Tools, Equipment, and Other Requirements	
Sample product design docket, record keeping sheets, material finish samples, sample of finishes, accessories, furniture, and hardware	

Module 24: On-the-job training for product designing

Mapped to FFS/N0239, v 1.0

Mandatory Duration: 90:00	Recommended Duration: 00:00
Module Name: On-the-Job Training	
Location: On-Site	
Terminal Outcomes	
<ul style="list-style-type: none"> Analyse and interpret product design project briefs and specifications to understand the objectives and requirements of the project. Identify key elements and considerations outlined in the briefs and specifications. Conduct a thorough site assessment and recce to gather information about the existing space. Assist in evaluating the site conditions, such as dimensions, layout, architectural features, and other relevant factors. Demonstrate effective communication with team members to clarify any doubts or uncertainties regarding the project objectives and scope of work. Explain the importance of seeking clarification from supervisors or relevant stakeholders to ensure a clear understanding of the project requirements. Create preliminary layouts and drawings based on the findings from the site survey and recce reports. Assist in representing the spatial arrangement and design concepts through sketches or digital drawings. Assist in the creation of detailed technical drawings, including 2D floor plans, elevations, perspectives, and product drafts/drawings, as per the instructions provided by supervisors. Prepare the basic visual references, such as images, samples, or mood boards, to convey design concepts and inspirations and support the design research. Employ suitable methods to gather relevant visual references that align with the project objectives and design direction. Modify, revise, edit, and change drawings and drafts as per instructions from supervisors Perform the review and verification of the accuracy and completeness of the drawings, including assembly details, construction details, and other relevant information. Assist in maintaining a high level of precision and attention to detail in the drawings to ensure the design intent is accurately communicated. Discuss the importance of compliance with building codes and regulations in product design Demonstrate the process of incorporating necessary design elements to meet safety, accessibility, and legal requirements. Assist in maintaining organized and up-to-date project files and drawings to facilitate effective project management. Prepare comprehensive lists of materials, finishes, accessories, furniture, hardware, and other design elements as per the drawing specifications. Perform the documentation and record-keeping of the required items to facilitate procurement and implementation processes Organize and maintain the drawing files and material library for product design projects. Assist in maintaining consistency and adherence to established protocols for efficient design documentation handling. 	

Annexure

Trainer Requirements

Trainer Prerequisites – either one of the 5 options						
Minimum Educational Qualification	Specialization	Relevant Industry Experience		Training Experience		Remarks
		Years	Specialization	Years	Specialization	
Graduate	Engineering (Civil, Mechanical), Architecture, Interior Design, Furniture Designing/Manufacturing or Any other discipline	2	Interior Design and Build/ Architecture	1	Preferable - Vocational or Academic Training	Preferable - Additional Certification related to specialization in architecture or interior design sector (Software like AutoCAD, etc.), Communication Skills.
ITI	Interior Designing/Architectural Drafting	3	Interior Design and Build/ Architecture	1	Preferable - Vocational or Academic Training	Preferable - Additional Certification related to specialization in architecture or interior design sector (Software like AutoCAD, etc.), Communication Skills.
Diploma	Interior Designing/Architectural Drafting	3	Interior Design and Build/ Architecture	1	Preferable - Vocational or Academic Training	Preferable - Additional Certification related to specialization in architecture or interior design sector (Software like AutoCAD, etc.), Communication Skills.
Certificate-NSQF	NSQF Level 3 Multipurpose Draughtsperson (Design and Build) (FFS/Q0206)	4	Interior Design and Build/ Architecture	1	Preferable - Vocational or Academic Training	Required- Work Experience and Recommendation letter from Employer, Certificates of Training from companies. Preferable - Additional Certification related to specialization in architecture or interior design sector (Software like AutoCAD, etc.), Communication Skills.

Certificate-NSQF	NSQF Level 4 Draughtsperson (Interior Design/ Furniture Design/ Product Design) Or Above	3	Interior Design and Build/ Architecture	1	Preferable - Vocational or Academic Training	Required- Work Experience and Recommendation letter from Employer, Certificates of Training from companies. Preferable - Additional Certification related to specialization in architecture or interior design sector (Software like AutoCAD, etc.), Communication Skills.
Trainer Certification						
Domain Certification				Platform Certification		
<p>Certified for Job Role: “Multipurpose Draughtsperson (Design and Build)” mapped to QP: “FFS/Q0206, v1.0” Level 3.</p> <p>The minimum accepted score will be 80% aggregate.</p>				<p>Recommended that the Trainer is certified for the Job Role: “Trainer (VET and Skills)”, mapped to the Qualification Pack: “MEP/Q2601, v2.0”.</p> <p>The minimum accepted score will be 80% aggregate.</p>		

Assessor Requirements

Assessor Prerequisites - either one of the 5 options

Minimum Educational Qualification	Specialization	Relevant Industry Experience		Training/Assessment Experience		Remarks
		Years	Specialization	Years	Specialization	
Graduate	Engineering (Civil, Mechanical), Architecture, Interior Design, Furniture Designing/Manufacturing or Any other discipline	2	Interior Design and Build/ Architecture	1	Preferable - Vocational or Academic Training	Preferable - Additional Certification related to specialization in architecture or interior design sector (Software like AutoCAD, etc.), Communication Skills.
ITI	Interior Designing/Architectural Drafting	3	Interior Design and Build/ Architecture	1	Preferable - Vocational or Academic Training	Preferable - Additional Certification related to specialization in architecture or interior design sector (Software like AutoCAD, etc.), Communication Skills.
Diploma	Interior Designing/Architectural Drafting	3	Interior Design and Build/ Architecture	1	Preferable - Vocational or Academic Training	Preferable - Additional Certification related to specialization in architecture or interior design sector (Software like AutoCAD, etc.), Communication Skills.
Certificate-NSQF	NSQF Level 3 Multipurpose Draughtsperson (Design and Build) (FFS/Q0206)	4	Interior Design and Build/ Architecture	1	Preferable - Vocational or Academic Training	Required- Work Experience and Recommendation letter from Employer, Certificates of Training from companies. Preferable - Additional Certification related to specialization in architecture or interior design sector (Software like AutoCAD, etc.), Communication Skills.

Certificate- NSQF	NSQF Level 4 Draughtsperson (Interior Design/ Furniture Design/ Product Design) Or Above	3	Interior Design and Build/ Architecture	1	Preferable - Vocational or Academic Training	Required- Work Experience and Recommendation letter from Employer, Certificates of Training from companies. Preferable - Additional Certification related to specialization in architecture or interior design sector (Software like AutoCAD, etc.), Communication Skills.
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Assessor Certification

Domain Certification	Platform Certification
<p>Certified for Job Role: “Multipurpose Draughtsperson (Design and Build)” mapped to QP: “FFS/Q0206, v1.0” Level 3.</p> <p>The minimum accepted score will be 80% aggregate.</p>	<p>Recommended that the Assessor is certified for the Job Role: “Assessor (VET and Skills)”, mapped to the Qualification Pack: “MEP/Q2701, v2.0”.</p> <p>The minimum accepted score will be 80% aggregate.</p>

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 to gauge the performance of a candidate a holistic approach for assessment is essential. As such we have devised a multi-tier process to keep track of candidate overall progress at various stages. While a few techniques are imbibed as part of the training delivery program, others are explicit ways of testing. 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 at regular intervals to gauge the progress of the candidate during the training program. These are mix of Theory and 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. Trainer can consult the Master Trainer/ Program Mentor with regards to training delivery or conducting periodic assessments.

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

2. External

a. Assessment Partners/ Freelance Assessors:

An external assessment shall mandatorily be conducted by Assessment Partners via ToA certified Assessors or ToA certified Freelance Assessors. There are 3 key 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 and Assessment Team or any other assigned authority by FFSC, may conduct surprise or planned visits and checks from quality assurance and monitoring perspective.

The requirements and details of each stage are as 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 important to be compiled:

- a. Check the availability of the Lab Equipment for the particular Job Role as per the mode of conducting 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 and Assessment Monitoring Team for Assessment Quality Assurance checks.
- g. Ensure evidence of conducting assessment is gathered as per FFSC protocol:
 - i. Time-stamped and 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 and geotagged assessment (Theory + Viva + Practical) photographs and 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 and photographs of the Assessment are uploaded/accessed from Cloud Storage
- d. Soft copies of the documents and 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.

References

Glossary

Term	Description
Declarative Knowledge	Declarative knowledge refers to facts, concepts, and principles that need to be known and/or understood in order to accomplish a task or to solve a problem.
Key Learning Outcome	Key learning outcome is the statement of what a learner needs to know, understand and be able to do in order to achieve the terminal outcomes. A set of key learning outcomes will make up the training outcomes. Training outcome is specified in terms of knowledge, understanding (theory) and skills (practical application).
OJT (M)	On-the-job training (Mandatory); trainees are mandated to complete specified hours of training on-site.
OJT (R)	On-the-job training (Recommended); trainees are recommended the specified hours of training on-site.
Procedural Knowledge	Procedural knowledge addresses how to do something or how to perform a task. It is the ability to work or produce a tangible work output by applying cognitive, affective, or psychomotor skills.
Training Outcome	Training outcome is a statement of what a learner will know, understand and be able to do upon the completion of the training.
Terminal Outcome	The terminal outcome is a statement of what a learner will know, understand and be able to do upon the completion of a module. A set of terminal outcomes help to achieve the training outcome.

Acronyms and Abbreviations

Term	Description
QP	Qualification Pack
NSQF	National Skills Qualification Framework
NSQC	National Skills Qualification Committee
NOS	National Occupational Standards
PwD	Person with Disability
ToT	Training of Trainers
ToA	Training of Assessors
FFSC	Furniture and Fittings Skill Council
TP	Training Partner
PC	Performance Criteria
NA	Not Applicable
PPE	Personal Protective Equipment
2D	2-Dimensional
3D	3-Dimensional