



Qualification Pack



Jr. Web Designer

QP Code: MSME/SSC/Q4401

Version: 1.0

NSQF Level: 4

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Qualification Pack

Contents

MSME/SSC/Q4401: Jr. Web Designer	3
<i>Brief Job Description</i>	3
Applicable National Occupational Standards (NOS)	3
<i>Compulsory NOS</i>	3
<i>Qualification Pack (QP) Parameters</i>	3
MSME/SSC/N4403: Employability Skill 02	5
MSME/SSC/N4102: Acquire the Concepts of UI UX design tools like Figma Adobe XD	11
MSME/SSC/N4101: Understand the Fundamentals of Web Technologies	15
Assessment Guidelines and Weightage	19
<i>Assessment Guidelines</i>	19
<i>Assessment Weightage</i>	19
Acronyms	21
Glossary	22



Qualification Pack

MSME/SSC/Q4401: Jr. Web Designer

Brief Job Description

Learner will work on web technologies such as HTML, CSS, and JavaScript for front-end development.

Personal Attributes

Learner will work on web technologies such as HTML, CSS, and JavaScript for front-end development.

Applicable National Occupational Standards (NOS)

Compulsory NOS:

1. [MSME/SSC/N4403: Employability Skill 02](#)
2. [MSME/SSC/N4102: Acquire the Concepts of UI UX design tools like Figma Adobe XD](#)
3. [MSME/SSC/N4101: Understand the Fundamentals of Web Technologies](#)

Qualification Pack (QP) Parameters

Sector	IT-ITeS
Sub-Sector	Developer
Occupation	Designing
Country	India
NSQF Level	4
Credits	13
Aligned to NCO/ISCO/ISIC Code	2166.0300



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Minimum Educational Qualification & Experience	12th grade Pass with NA of experience OR Completed 2nd year of the 3-year diploma after 10 with NA of experience OR Pursuing 2nd year of 3-year regular Diploma (after 10th) with NA of experience OR 10th grade pass plus 2-year NTC (two years of any combination of NTC/NAC/CITS or equivalent) with NA of experience OR 11th grade pass (11th Grade Pass and pursuing continuous schooling) with NA of experience OR Previous relevant Qualification of NSQF Level (NSQF Level3.5) with 1.5 years of experience OR Previous relevant Qualification of NSQF Level (NSQF Level3.0) with 3 Years of experience
Minimum Level of Education for Training in School	
Pre-Requisite License or Training	NA
Minimum Job Entry Age	17 Years
Last Reviewed On	NA
Next Review Date	30/04/2029
NSQC Approval Date	30/04/2024
Version	1.0
Reference code on NQR	QG-04-IT-02394-2024-V1-MSME
NQR Version	1.0



Qualification Pack

MSME/SSC/N4403: Employability Skill 02

Description

This unit is about employability skills, Constitutional values, becoming a professional in the 21st Century, digital, financial, and legal literacy, diversity and Inclusion, English and communication skills, customer service, entrepreneurship, and getting ready for jobs and apprenticeship.

Scope

The scope covers the following :

- This unit is about employability skills, Constitutional values, becoming a professional in the 21st Century,
- digital, financial, and legal literacy, diversity and Inclusion, English and communication skills, customer service,
- entrepreneurship, and getting ready for jobs and apprenticeship.

Elements and Performance Criteria

MSME/ES/01 Employability Skills

To be competent, the user/individual on the job must be able to:

- PC1.** • Discuss the importance of Employability Skills in meeting the
• job requirements.
- PC2.** • Explain constitutional values, civic rights, duties, citizenship,
• responsibility towards society etc. that are required to be
• followed to become a responsible citizen.
- PC3.** Show how to practice different environmentally sustainable practices.
- PC4.** Discuss 21st century skills.
- PC5.** • Display positive attitude, self -motivation, problem solving,
• time management skills and continuous learning mindset in
• different situations.
- PC6.** • Use appropriate basic English sentences/phrases while
• speaking.
- PC7.** • Demonstrate how to communicate in a well -mannered way
• with others.
- PC8.** Demonstrate working with others in a team.
- PC9.** • Show how to conduct oneself appropriately with all genders
• and PwD
- PC10.** • Discuss the significance of reporting sexual harassment issues
• in time
- PC11.** • Discuss the significance of using financial products and services
• safely and securely.
- PC12.** • Explain the importance of managing expenses, income, and
• savings.



Qualification Pack

- PC13.** • Explain the significance of approaching the concerned authorities in time for any exploitation as per legal rights and laws.
- PC14.** • Show how to operate digital devices and use the associated applications and features, safely and securely
- PC15.** • Discuss the significance of using internet for browsing, accessing social media platforms, safely and Securely.
- PC16.** • Discuss the need for identifying opportunities for potential business, sources for arranging money and potential legal and financial challenges.
- PC17.** Differentiate between types of customers.
- PC18.** • Explain the significance of identifying customer needs and addressing them.
- PC19.** • Discuss the significance of maintaining hygiene and dressing appropriately.
- PC20.** Create a biodata
- PC21.** Use various sources to search and apply for jobs
- PC22.** • Discuss the significance of dressing up neatly and maintaining hygiene for an interview
- PC23.** • Discuss how to search and register for apprenticeship opportunities



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Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>MSME/ES/01 Employability Skills</i>	100	-	-	-
PC1. <ul style="list-style-type: none">• Discuss the importance of Employability Skills in meeting the• job requirements.	-	-	-	-
PC2. <ul style="list-style-type: none">• Explain constitutional values, civic rights, duties, citizenship,• responsibility towards society etc. that are required to be• followed to become a responsible citizen.	-	-	-	-
PC3. Show how to practice different environmentally sustainable practices.	-	-	-	-
PC4. Discuss 21st century skills.	-	-	-	-
PC5. <ul style="list-style-type: none">• Display positive attitude, self -motivation, problem solving,• time management skills and continuous learning mindset in• different situations.	-	-	-	-
PC6. <ul style="list-style-type: none">• Use appropriate basic English sentences/phrases while• speaking.	-	-	-	-
PC7. <ul style="list-style-type: none">• Demonstrate how to communicate in a well -mannered way• with others.	-	-	-	-
PC8. Demonstrate working with others in a team.	-	-	-	-
PC9. <ul style="list-style-type: none">• Show how to conduct oneself appropriately with all genders• and PwD	-	-	-	-



Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC10. <ul style="list-style-type: none">• Discuss the significance of reporting sexual harassment issues• in time	-	-	-	-
PC11. <ul style="list-style-type: none">• Discuss the significance of using financial products and services• safely and securely.	-	-	-	-
PC12. <ul style="list-style-type: none">• Explain the importance of managing expenses, income, and• savings.	-	-	-	-
PC13. <ul style="list-style-type: none">• Explain the significance of approaching the concerned• authorities in time for any exploitation as per legal rights and• laws.	-	-	-	-
PC14. <ul style="list-style-type: none">• Show how to operate digital devices and use the associated• applications and features, safely and securely	-	-	-	-
PC15. <ul style="list-style-type: none">• Discuss the significance of using internet for browsing,• accessing social media platforms, safely and Securely.	-	-	-	-
PC16. <ul style="list-style-type: none">• Discuss the need for identifying opportunities for potential• business, sources for arranging money and potential legal and• financial challenges.	-	-	-	-
PC17. Differentiate between types of customers.	-	-	-	-
PC18. <ul style="list-style-type: none">• Explain the significance of identifying customer needs and• addressing them.	-	-	-	-



Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC19. <ul style="list-style-type: none">• Discuss the significance of maintaining hygiene and dressing• appropriately.	-	-	-	-
PC20. Create a biodata	-	-	-	-
PC21. Use various sources to search and apply for jobs	-	-	-	-
PC22. <ul style="list-style-type: none">• Discuss the significance of dressing up neatly and maintaining• hygiene for an interview	-	-	-	-
PC23. <ul style="list-style-type: none">• Discuss how to search and register for apprenticeship• opportunities	-	-	-	-
NOS Total	100	-	-	-



Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	MSME/SSC/N4403
NOS Name	Employability Skill 02
Sector	IT-ITeS
Sub-Sector	
Occupation	Designing
NSQF Level	4
Credits	1
Version	1.0
Last Reviewed Date	30/04/2024
Next Review Date	30/04/2029
NSQC Clearance Date	30/04/2024



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MSME/SSC/N4102: Acquire the Concepts of UI UX design tools like Figma Adobe XD

Description

Learn the basics of UI UX design and use tools like Figma and Adobe XD to create wireframes, prototypes, and user-friendly interface designs.

Scope

The scope covers the following :

- Learn the basics of UI UX design and use tools like Figma and Adobe XD to create wireframes, prototypes, and user-friendly interface designs.

Elements and Performance Criteria

MSME/WCDD/02

To be competent, the user/individual on the job must be able to:

- PC1.** Demonstrate proficiency in using Figma and Adobe XD, understanding their key features and functionalities. Application of Design Principles:
- PC2.** Apply design principles effectively, including layout, typography, color theory, and visual hierarchy. User Interface (UI) Design Skills:
- PC3.** Create aesthetically pleasing and goal-aligned UI designs for web and mobile applications. User Experience (UX) Design Competence:
- PC4.** Design experiences that enhance user satisfaction, usability, and overall user experience. Interactive Prototyping Abilities:
- PC5.** Create interactive prototypes to mimic user interactions and showcase digital product functionality. Collaboration and Version Control Proficiency:
- PC6.**
 - Collaborate with team members effectively, utilizing version control features for maintaining design consistency.
 - Design Documentation Understanding:
- PC7.** Prepare design documentation, including design system guidelines, style guides, and annotations. Effective Presentation Skills:
- PC8.** Develop communication and presentation skills to effectively convey design rationale to peers, clients, or stakeholders. Problem-Solving and Iteration Skills:
- PC9.** Analyze design problems, gather feedback, and iterate on solutions based on user testing and feedback. Usability Testing Proficiency:
- PC10.** Plan and execute usability tests, applying the results to optimize designs for improved usability. Ethical Considerations Awareness:
- PC11.** Be aware of ethical considerations in design, including accessibility, inclusivity, and privacy.



Qualification Pack

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>MSME/WCDD/02</i>	-	100	-	-
PC1. Demonstrate proficiency in using Figma and Adobe XD, understanding their key features and functionalities. Application of Design Principles:	-	-	-	-
PC2. Apply design principles effectively, including layout, typography, color theory, and visual hierarchy. User Interface (UI) Design Skills:	-	-	-	-
PC3. Create aesthetically pleasing and goal-aligned UI designs for web and mobile applications. User Experience (UX) Design Competence:	-	-	-	-
PC4. Design experiences that enhance user satisfaction, usability, and overall user experience. Interactive Prototyping Abilities:	-	-	-	-
PC5. Create interactive prototypes to mimic user interactions and showcase digital product functionality. Collaboration and Version Control Proficiency:	-	-	-	-
PC6. <ul style="list-style-type: none"> Collaborate with team members effectively, utilizing version control features for maintaining design consistency. Design Documentation Understanding: 	-	-	-	-
PC7. Prepare design documentation, including design system guidelines, style guides, and annotations. Effective Presentation Skills:	-	-	-	-
PC8. Develop communication and presentation skills to effectively convey design rationale to peers, clients, or stakeholders. Problem-Solving and Iteration Skills:	-	-	-	-
PC9. Analyze design problems, gather feedback, and iterate on solutions based on user testing and feedback. Usability Testing Proficiency:	-	-	-	-
PC10. Plan and execute usability tests, applying the results to optimize designs for improved usability. Ethical Considerations Awareness:	-	-	-	-



Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC11. Be aware of ethical considerations in design, including accessibility, inclusivity, and privacy.	-	-	-	-
NOS Total	-	100	-	-



Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	MSME/SSC/N4102
NOS Name	Acquire the Concepts of UI UX design tools like Figma Adobe XD
Sector	IT-ITeS
Sub-Sector	
Occupation	Web Designing
NSQF Level	4
Credits	6
Version	1.0
Last Reviewed Date	30/04/2024
Next Review Date	30/04/2029
NSQF Clearance Date	30/04/2024



Qualification Pack

MSME/SSC/N4101: Understand the Fundamentals of Web Technologies

Description

Understand the basic concepts of web technologies, including how websites work, the roles of HTML, CSS, and JavaScript, web browsers, web servers, domains, hosting, and responsive web design principles

Scope

The scope covers the following :

- Understand the basic concepts of web technologies, including how websites work, the roles of HTML, CSS, and JavaScript, web browsers, web servers, domains, hosting, and responsive web design principles

Elements and Performance Criteria

MSME/WCDD/01

To be competent, the user/individual on the job must be able to:

- PC1.** Demonstrate proficiency in HTML, CSS, JavaScript
- PC2.** Create and maintain web content, websites, and web applications using industry-standard technologies. Front-End Development Excellence:
- PC3.** Excel in front-end development by creating user-friendly and visually appealing web interfaces.
- PC4.** Skillfully create responsive web designs, optimize web performance, and ensure cross-browser compatibility. Back-End Development Expertise:
- PC5.** Demonstrate expertise in back-end development, including server-side scripting, databases, and server management.
- PC6.** Design, implement, and maintain the server-side components of web applications. Database Management Proficiency:
- PC7.** Effectively manage and manipulate databases for web applications.
- PC8.** Skillfully design databases, perform querying, and integrate databases with web applications. Security and Privacy Implementation:
- PC9.** Understand and implement security best practices to protect web applications and user data.
- PC10.** Be aware of common security vulnerabilities and secure web applications against threats. Web Performance Optimization:
- PC11.** Optimize web applications for speed and performance.
- PC12.** Analyze and improve the performance of web applications to ensure fast load times and smooth user experiences. Responsive Design Skills:
- PC13.**
 - Create web designs that adapt to different devices and screen
 - sizes.
- PC14.** Proficiently employ responsive design techniques, including media queries and flexible layouts. User Experience (UX) and User Interface (UI) Design:
- PC15.** Design web interfaces that are user-friendly and visually appealing.



Qualification Pack

- PC16.** Understand the principles of UX and UI design and apply them to create engaging and intuitive user interfaces. Project Management Proficiency:
- PC17.** Effectively manage web development projects, including planning, scheduling, and teamwork.
- PC18.** Manage web development projects from inception to completion, coordinating team members and resources. Communication and Documentation:
- PC19.** Communicate effectively and document work, including project requirements, progress, and issues.
- PC20.** Clearly communicate with clients, team members, and stakeholders, and maintain proper project documentation.
- PC21.** Demonstrate an understanding of ethical and legal considerations in web development.
- PC22.** Be aware of issues such as copyright, accessibility, and online privacy and their impact on web development practices.



Qualification Pack

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>MSME/WCDD/01</i>	-	100	-	-
PC1. Demonstrate proficiency in HTML, CSS, JavaScript	-	-	-	-
PC2. Create and maintain web content, websites, and web applications using industry-standard technologies. Front-End Development Excellence:	-	-	-	-
PC3. Excel in front-end development by creating user-friendly and visually appealing web interfaces.	-	-	-	-
PC4. Skillfully create responsive web designs, optimize web performance, and ensure cross-browser compatibility. Back-End Development Expertise:	-	-	-	-
PC5. Demonstrate expertise in back-end development, including server-side scripting, databases, and server management.	-	-	-	-
PC6. Design, implement, and maintain the server-side components of web applications. Database Management Proficiency:	-	-	-	-
PC7. Effectively manage and manipulate databases for web applications.	-	-	-	-
PC8. Skillfully design databases, perform querying, and integrate databases with web applications. Security and Privacy Implementation:	-	-	-	-
PC9. Understand and implement security best practices to protect web applications and user data.	-	-	-	-
PC10. Be aware of common security vulnerabilities and secure web applications against threats. Web Performance Optimization:	-	-	-	-
PC11. Optimize web applications for speed and performance.	-	-	-	-
PC12. Analyze and improve the performance of web applications to ensure fast load times and smooth user experiences. Responsive Design Skills:	-	-	-	-



Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC13. <ul style="list-style-type: none">• Create web designs that adapt to different devices and screen sizes.	-	-	-	-
PC14. Proficiently employ responsive design techniques, including media queries and flexible layouts. User Experience (UX) and User Interface (UI) Design:	-	-	-	-
PC15. Design web interfaces that are user-friendly and visually appealing.	-	-	-	-
PC16. Understand the principles of UX and UI design and apply them to create engaging and intuitive user interfaces. Project Management Proficiency:	-	-	-	-
PC17. Effectively manage web development projects, including planning, scheduling, and teamwork.	-	-	-	-
PC18. Manage web development projects from inception to completion, coordinating team members and resources. Communication and Documentation:	-	-	-	-
PC19. Communicate effectively and document work, including project requirements, progress, and issues.	-	-	-	-
PC20. Clearly communicate with clients, team members, and stakeholders, and maintain proper project documentation.	-	-	-	-
PC21. Demonstrate an understanding of ethical and legal considerations in web development.	-	-	-	-
PC22. Be aware of issues such as copyright, accessibility, and online privacy and their impact on web development practices.	-	-	-	-
NOS Total	-	100	-	-



Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	MSME/SSC/N4101
NOS Name	Understand the Fundamentals of Web Technologies
Sector	IT-ITeS
Sub-Sector	
Occupation	Web Designing
NSQF Level	4
Credits	6
Version	1.0
Last Reviewed Date	30/04/2024
Next Review Date	30/04/2029
NSQC Clearance Date	30/04/2024

Assessment Guidelines and Assessment Weightage

Assessment Guidelines

as per qp

Minimum Aggregate Passing % at QP Level : 40

(Please note: Every Trainee should score a minimum aggregate passing percentage as specified above, to successfully clear the Qualification Pack assessment.)

Assessment Weightage

Compulsory NOS



Qualification Pack

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
MSME/SSC/N4403.Employability Skill 02	100	-	-	-	100	32
MSME/SSC/N4102.Acquire the Concepts of UI UX design tools like Figma Adobe XD	-	100	-	-	100	34
MSME/SSC/N4101.Understand the Fundamentals of Web Technologies	-	100	-	-	100	34
Total	100	200	-	-	300	100



Qualification Pack

Acronyms

NOS	National Occupational Standard(s)
NSQF	National Skills Qualifications Framework
QP	Qualifications Pack
TVET	Technical and Vocational Education and Training



Qualification Pack

Glossary

Sector	Sector is a conglomeration of different business operations having similar business and interests. It may also be defined as a distinct subset of the economy whose components share similar characteristics and interests.
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.
National Occupational Standards (NOS)	NOS are occupational standards which apply uniquely in the Indian context.
Qualifications Pack (QP)	QP comprises the set of OS, together with the educational, training and other criteria required to perform a job role. A QP is assigned a unique qualifications pack code.
Unit Code	Unit code is a unique identifier for an Occupational Standard, which is denoted by an 'N'
Unit Title	Unit title gives a clear overall statement about what the incumbent should be able to do.
Description	Description gives a short summary of the unit content. This would be helpful to anyone searching on a database to verify that this is the appropriate OS they are looking for.
Scope	Scope is a set of statements specifying the range of variables that an individual may have to deal with in carrying out the function which have a critical impact on quality of performance required.



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Knowledge and Understanding (KU)	Knowledge and Understanding (KU) are statements which together specify the technical, generic, professional and organisational specific knowledge that an individual needs in order to perform to the required standard.
Organisational Context	Organisational context includes the way the organisation is structured and how it operates, including the extent of operative knowledge managers have of their relevant areas of responsibility.
Technical Knowledge	Technical knowledge is the specific knowledge needed to accomplish specific designated responsibilities.
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.
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.
Options	Options are NOS/set of NOS that are identified by the sector as additional skills. There may be multiple options within a QP. It is not mandatory to select any of the options to complete a QP with Options.