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| Title | **Plan website using software development life cycle for web applications** |
| Level | **3** | **Credits** | **5** |

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| Purpose | The competency standard aims to develop the skills, knowledge and understanding required for the project planning for a website design and implementing the software development lifecycle for any web project. |

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| Classification ISCED | 0613 Software and applications development and analysis |

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| Available grade | Competent / Not yet competent |

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| Modification history | N/A |

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| **Competency Unit** | **Performance Criteria** | **Knowledge and Understanding** |
| **D1: Devise website project planning** | **The trainee will be able to:****P1.** Arrange and manage project meetings**P2.** Gather the project requirements perform storyboarding**P3.** Develop timelines**P4.** Perform financial evaluation (budgeting and costing)**P5.** Identify difference between functional and non functionalRequirements**P6.** Demonstrate client management | **The trainee will be able to:****K1.** Elaborate the importance of project meetings**K2.** Identify project requirements to perform storyboarding**K3.** Explain timelines**K4.** Define financial evaluation (budgeting and costing)**K5.** Clarify difference between functional and non functional requirements**K6.** Tell about the significance of client management |

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| **D2: Utilise the software development life cycle** | **The trainee will be able to:****P1.** Understand software development life cycle**P2.** Carry out the project analysis phase**P3.** Execute the design phase **P4.** Implement / code the project **P5.** Test the project**P6.** Execute the maintenance and support phase on a web server | **The trainee will be able to:****K1.** Explain software development life cycle**K2.** Define Project analysis phase**K3.** Describe Design phase**K4.** Describe Implementation phase**K5.** Make clear the Testing phase**K6.** Define Maintenance and support phase |