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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 functional  Requirements  **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 |