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| Title | **Quality assurance** | | |
| Level | **4** | **Credits** | **15** |

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| Purpose | The aim of this module is to develop the understanding for the importance and the capability to test, validate and verify the quality features of the E-Commerce application/business. |

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| Classification ISCED | 0414 Marketing and advertising |

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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** |
| **C1:** Verification & Validation (V&V) | * 1. Illustrate techniques to validate the requirements against applicable industry/regularity standards   2. Classify Techniques to verify the system against business requirements   3. Perform gape analysis followed industrial standards   4. Assure Quality as per standard like. comparison to CMMI/ISO/SPICE/IEEE process standards   5. Perform Quality Control e.g. Defects findings with reference to requirements (Customer/Business) | * 1. Define Quality as per standard like. comparison to CMMI/ISO/SPICE/IEEE process standards   2. Define Quality Control techniques |
| **C 2:** Execute Testing | * 1. Execute the test cases using automated tool(s)   2. Perform applicable testing techniques (Alpha, Beta, Integration, System, | * 1. Explain how to use testing tools e.g. E- Tester   2. E Elaborate Testing techniques including Quality Measurement |

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| **Competency Unit** | **Performance Criteria** | **Knowledge and Understanding** |
|  | Regression, Stress, User Acceptance Test, “UAT”) | Indicator (Robustness, Integrity) Cyclomatic Complexity, etc.) |