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| **Qualification details** |  | | |
| **Training Package code and title** | UEE - Electrotechnology Training Package (Release 6.0) | | |
| **National Qualification Code & Title**  **Unit Code & Title** | **UEE40720 – Certificate IV in Electronics and**  **Communications** | **State code** | **BFP4** |
| **UEE40120 – Certificate IV in**  **Computer Systems** | **BFL8** |
| **UEE50520 – Diploma of Electronics and**  **Communications Engineering** | **BFP5** |
| **UEE50120 – Diploma of**  **Computer Systems Engineering** | **BFQ6** |
| **UEECS0020 – Evaluate and modify object-oriented code programs**  **UEEIC0012 – Develop structured programs to control external devices** | **OCA73**  **OCA08** |

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| **Learner’s name** |  |
| **Assessor’s name** | Saranya Chandrukannan |
| **Date of Assessment** |  |
| **Assessment Tool** | **AT1 Observation Checklist** |
| **Observation Checklist** | As the Candidate undertakes the AT1\_Portfolio1, the Assessor will observe the performance and record the outcome in the checklist below.  The assessor needs to refer to AT1\_Portfolio1 Marking Guide for guidance on what is required to make a correct judgment.  The assessor will check the box (□) if the task/performance is completed.  Candidate must satisfactorily complete all the requirements of the AT1 Skills Based Assessment Tool and Observation Checklist Tool to industry standards to be deemed satisfactory. |

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| **During the practical assessment did the candidate satisfactorily demonstrate the following?** | Attempt  **1** | Attempt  **2** | **Comments** |
| 1. Prepare to evaluate and modify programs written in code.   While preparing for the practical task, did the student.  Identify, obtain, and applied the OHS procedures for the workspace used for the assessment? (1.1) **(1.1/1.2)**  Workplace hazards are identified, risks are assessed, and control measures implemented. (1.2) **(1.3)**  Determined the extend of program  modification in consultation with the lecturer?  (1.3) **(1.4)**  Planned to do all the required activities  according to the provided timeline and in  consultation with the lecturer? (1.4) **(1.5)**  Select appropriate development kit and  software based on the requirements of the  below activities? (1.4) **(1.5)**  Develop and implement clear strategies  to ensure programs are working(1.6) **(1.6)**   1. **Evaluate and modify programs written in code**   **During the task, did the student.**  Follow OHS risk control measures and  procedures? **(2.1)**  Use appropriate computer knowledge/features to develop the program? (2.1)  Use the correct and the most relevant syntax while developing the program? (2.2) **(2.2) (2.3)**  Apply the knowledge of the key features of object-oriented programming language (for example, classes, instances, data fields, local variables,) while evaluating and modifying the code?  (2.3) **(2.4)**  Analyse/debug a code problem/issue and solved it in an effective manner? (2.4) **(2.5)**  Use clear and detailed comments while developing his codes? Overall, is the submitted work up to the industry standard? (2.5) **(2.6)** |  |  |  |
| 1. **Test and document modified programs written in code.**   **When completing the task, did the student.**  Test his program and checked the output with various input?(3.1) **(3.1)**  Rectify all the code problems to make the program output meet the task requirements?  (3.2) **(3.2)**  Write a report outlining the program objectives and the report was presented in an appropriate manner to the lecturer?(3.3) **(3.3)** |  |  |  |

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| **The learner’s performance was** | | **Not yet satisfactory** | | | **Satisfactory** |
| **Feedback to the learner from Assessor** | | | | | |
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| **Learner’s Signature** |  | | **Date** |  | |
| **Observer/Assessor’s Signature** |  | | **Date** |  | |