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| **Qualification details** |  | | |
| **Training Package code and title** | UEE - Electrotechnology Training Package (Release 6.0) | | |
| **National Qualification 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** |
| **UEE62122-Advanced Diploma of Engineering Technology - Electrical** |  | **BHZ3** |

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| **Learner’s name** |  | | |
| **Assessor’s name** | Saranya Chandrukannan | | |
| **Unit National Code & Title** | UEECS0020 – Evaluate and modify object-oriented code programs  UEEIC0012 - Develop structured programs to control external devices | **State Code** | OCA73  OCA08 |
| **Date of Assessment** |  | | |
| **Assessment Tool** | **AT4 Observation Checklist** | | |
| **Observation Checklist** | As the Candidate undertakes the AT4\_Portfolio4, the Assessor will observe the performance and record the outcome in the checklist below.  The assessor needs to refer to AT4\_Portfolio4 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 AT4 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** |  | |