Name : Lee Jian Zhen

Position : R&D Software Intern

Department & Unit : Manufacturing Department, Software Unit

Supervisor : Mr. Syed Ahmad Syafiq

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| **Date** | **Task Performed (Point Form)** |
| 1/11/22 | * Continue drawing the UML Diagram for Amkor Project * Found some ineffectiveness of coding inside Amkor Project and listed down to a file with recommendation |

Comments:

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| **Date** | **Task Performed (Point Form)** |
| 2/11/22 | * Discuss with Syafiq about the improvement for UML Diagram and idea of good practices programming * Listed all the table with their attributes except Library attributes * Go thru TortoiseGit’s documentation and try to use it with commit, push, pull and sync * Research on passing function block (Object) into other function block (Object) in TwinCAT3 |

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| **Date** | **Task Performed (Point Form)** |
| 3/11/22 | * Discussion about OOP in TwinCAT3 and concluded some verification need to be done * Try and test any kind of scenarios for verification of the implementation of OOP in TwinCAT3 * Continue do the UML diagram for Amkor Project’s library part |

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| **Date** | **Task Performed (Point Form)** |
| 4/11/22 | * Understand better with the concept of method inside TwinCAT3 * Some progress on the UML diagram * Understand “Property” inside the TwinCAT3 |

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| **Date** | **Task Performed (Point Form)** |
| 5/11/22 | * Show to Syafiq that the concept of interlocking was about to achieve by using method * Some progress on the UML diagram |

Comments:

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| **Date** | **Task Performed (Point Form)** |
| 7/11/22 | * Discussion with Syafiq about the object for the implementation of object-oriented approach * Some progress on the UML diagram * Research on merging two different git repo to become one |

Comments:

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| **Date** | **Task Performed (Point Form)** |
| 8/11/22 | * Completed the UML for class diagram * Go thru the inverter program and understand it * Merging 2 repository by using GIT BASH |

Comments:

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| **Date** | **Task Performed (Point Form)** |
| 9/11/22 | * Completed modifying the UML Class Diagram * Completed ‘Homing’ function for the inverter program |

Comments:

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| **Date** | **Task Performed (Point Form)** |
| 10/11/22 | * Completed the Inverter program * Prepare some presentation materials |

Comments:

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| **Date** | **Task Performed (Point Form)** |
| 11/11/22 | * Morning 9am-12pm, presentation about UML Diagram and Object Oriented * Start the documentation of Git |

Comments:

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| **Date** | **Task Performed (Point Form)** |
| 14/11/22 | * Meeting with Mr. Syafiq regarding task for me this week * Do Git Documentation (GitHub & SourceTree) |

Comments:

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| **Date** | **Task Performed (Point Form)** |
| 15/11/22 | * Complete the Git Documentation * Ask Humble to verify and give feedback for the Git Documentation * Start improvement on Inverter |

Comments:

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| **Date** | **Task Performed (Point Form)** |
| 16/11/22 | * Discuss with Mr. Syafiq about the Inverter program * Do improvement on Inverter code and draw class diagram & state machine diagram. |

Comments:

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| **Date** | **Task Performed (Point Form)** |
| 17/11/22 | * Completed the Inverter and looking for bug fix. * Learn how to setup Beckhoff IPC and installation of TwinCAT3 inside the device |

Comments:

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| **Date** | **Task Performed (Point Form)** |
| 21/11/22 | * Completed the Inverter with UML Diagram (Class & State Machine) * Constructing ‘MyGame’ project, gather & list down the requirement needed. From ‘Bakery’ 🡪 ‘MyGame’ |

Comments:

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| **Date** | **Task Performed (Point Form)** |
| 22/11/22 | * Research on what is page fault and how to solve it * Continue solving the CT12 page fault error * Try to make page fault error for better understanding |

Comments:

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| **Date** | **Task Performed (Point Form)** |
| 23/11/22 | * Continue solving the page fault. The program still auto logout and crash after I comment all the code in MAIN(prg) |

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| **Date** | **Task Performed (Point Form)** |
| 24/11/22 | * MC |

Comments:

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| **Date** | **Task Performed (Point Form)** |
| 25/11/22 | * MC |

Comments:

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| **Date** | **Task Performed (Point Form)** |
| 28/11/22 | * Do research on ‘Object Create POU for implicit checks’ for TwinCAT 3 * Research on ‘DynamicArray’ library that found in Beckhoff * Write the user stories requested by Kenny Tan |

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| **Date** | **Task Performed (Point Form)** |
| 29/11/22 | * Implement DynamicArray in my project ‘Game’ * Draw the wireframe of the Game for a better view of concept * Completed one of the user stories in the sprint. * Watch Mr.Syafiq migrate the a project from twincat2 to twincat3 |

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| **Date** | **Task Performed (Point Form)** |
| 30/11/22 | * Study and implement TF1810 for visualization * Progress on MJ Farm * Learn Beckhoff I/O card from Mr.Syafiq |

Comments: