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)** |
| 1/12/22 | * Solved the problem of TF1810, it supports Windows 11 * Progress on MJ Farm |

Comments:

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| **Date** | **Task Performed (Point Form)** |
| 2/12/22 | * Learn IO mapping from Mr. Syafiq * Attend Omron expert presentation * Progress on MJ Farm |

Comments:

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| **Date** | **Task Performed (Point Form)** |
| 3/12/22 | * Test WebVisu for multi device connection (Doable) * Short meeting with MJ Farm member after lunch, update progress of each member * Progress on MJ Farm |

Comments:

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| **Date** | **Task Performed (Point Form)** |
| 5/12/22 | * TF1810 WebVisu for CT12 was able to function on my device * Progress on MJ Farm, station functionality was done |

Comments:

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| **Date** | **Task Performed (Point Form)** |
| 6/12/22 | * Completed all the station in MJ Farm * Do verification test on transferring unit from station to station * Provide MJ Farm sln file for Mocha to test playing it * Attend the MJ Farm meeting with members |

Comments:

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| **Date** | **Task Performed (Point Form)** |
| 7/12/22 | * Knowledge sharing between Leon and Humble * Learn control EtherServo from Humble * Participate in Amkor machine testing with Mr.Syafiq * Progress on MJ Farm |

Comments:

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| **Date** | **Task Performed (Point Form)** |
| 8/12/22 | * Complete the Arm movement and transfer module (MJ Farm) * Do research on PVOID, pointer, and reference (Beckhoff) |

Comments:

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| **Date** | **Task Performed (Point Form)** |
| 9/12/22 | * Attended Humble’s presentation about .Net Core 6 * Unable to figure out how to create own dynamic array/linked list but beckhoff has its own build-in function block for these features. |

Comments:

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| **Date** | **Task Performed (Point Form)** |
| 13/12/22 | * Touch up on the MJ Farm (80% of progression) * Go thru security part in Beckhoff |

Comments:

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| **Date** | **Task Performed (Point Form)** |
| 14/12/22 | * Presentation for UTAR supervisor about company background, what job function, learned skill, etc. * Revise the concept of OOP and rewrite the MJ Farm code from zero, current catch up with previous progress. |

Comments:

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| **Date** | **Task Performed (Point Form)** |
| 15/12/22 | * Attended Dr.Yoges Company Profile Sharing * Done the MJ Farm for the design and develop part, currently on verification test. |

Comments:

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| **Date** | **Task Performed (Point Form)** |
| 16/12/22 | * Discussion with Mr.Syafiq about the timeline of MJ Farm * Continue on the MJ Farm * Bug fixing and testing for the MJ Farm * Attend MJ Farm sprint. |

Comments:

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| **Date** | **Task Performed (Point Form)** |
| 20/12/22 | * Test and Run the MJ Farm, fix some error found. |

Comments:

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| **Date** | **Task Performed (Point Form)** |
| 21/12/22 | * Done the MJ Farm code * Start redo the Inverter * Preparing materials for MJ Farm documentation |

Comments:

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| **Date** | **Task Performed (Point Form)** |
| 22/12/22 | * Help HumbleJ to figure out he problem of passing integer * Progress on the Inverter * Go thru documentation of OOP in Beckhoff (Added extra sample) |

Comments:

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| **Date** | **Task Performed (Point Form)** |
| 23/12/22 | * Progress on the Inverter * Research on PLC project IO link with second PLC project IO in the same solution |

Comments:

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| **Date** | **Task Performed (Point Form)** |
| 27/12/22 | * Completed the Inverter (but corrupted at the end) * Prepare the materials for presentation |

Comments:

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| **Date** | **Task Performed (Point Form)** |
| 28/12/22 | * Attend JJ Presentation * Done rewrite the code of inverter * Apply version control for the inverter |

Comments:

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| **Date** | **Task Performed (Point Form)** |
| 29/12/22 | * Prepare documentation and presentation materials |

Comments:

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| **Date** | **Task Performed (Point Form)** |
| 30/12/22 | * Attend JZhen presentation * Go through Git documentation and play with SourceTree and GitHub |

Comments:

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| **Date** | **Task Performed (Point Form)** |
| 31/12/22 | * Help Mr. Syafiq for testing machine * Try to add C++ in TwinCAT3 |

Comments: