School of Informatics & IT

**Diploma in Applied Artificial Intelligence**

AY2023 Semester Level 3

**MP Weekly Project Progress Report**

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| **Project Title: Nvidia TX Autonomous Vehicle** | |
| **Student Name: Maximilian See Tze Jie** | **Adm No: 2102869A** |
| **Supervisor Name: Mr Tan Sio Poh** | **Week No: 7** |

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|  | **Tasks Completed** |  |  |  |  |  |
|  | Rolled back both systems to ubuntu 18.04 |  |  |  |  |  |
|  | Set Up of Network |  |  |  |  |  |
|  | Flashing the Arduino and getting the Arduino cable (USB-B) |  |  |  |  |  |
|  | Compilation of most packages and libraries |  |  |  |  |  |
|  | Got the robot working |  |  |  |  |  |
|  | Nvidia drivers were not installed (Do not need) |  |  |  |  |  |
|  | Created and Tested RL (Reinforcement Learning) on the robot -> Poorer performance than Ryu’s CNN (Convolutional Neural Networks) |  |  |  |  |  |
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|  | **Issue/Risk Tracking** |  |  |  |  |  |
|  | Issue/Risk Name |  | Status | | |  |
|  | The robot has been tasked to Dr Yap and completed next week |  | Not Done | | |  |
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|  | Configuring the image recognition model to work with movement signs from the AI Centre (see traffic sign -> turn left). There is some refining to be done |  | Partially Done | | |  |
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|  | **Meeting minutes with MP supervisor** | | | | |  |
|  | Meeting with Ryu and I last Thursday to discuss our plans for the robot as well as the documentation of the report | | | | |  |
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|  | **Weekly Self-Reflection** *(no more than 150 words)*  This week we discuss on more things we could do for the robot; we also discuss our plans for the full report and the slides. | | | | |  |
|  | However due to the robot still being in repair we discuss has been put on hold. In the meantime, we decided to work on the slides and the report. | | | | |  |
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