

**2023-2024**

**Student Name(s) : Koay Xian Cong**

**Project Title : AI in Healthcare**

**Supervisor(s) : Dr Hermawan Nugroho**

**Date of meeting : 16 Nov 2023 Length of meeting : 1 hour**

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| **Progress made since the last meeting** |
| 1. **Installing software for STMCubeIDE.** 2. **Test out the functionalities of STMCubeIDE.** 3. **Connecting hardware of ECG.** |

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| **Items discussed /planned for the week** |
| **Item Discussed:**   1. **Propose findings on real-time ARM Cortex-M MPU performance and memory.** 2. **Show a short demo of AI and netdata from the starter pack installed on STM32.** 3. **Show connections made on hardware.** 4. **Discuss why hardware should start first.** 5. **Dr Hermawan suggested focusing on the model zoo available on STM32 recreating the model based on good journals and finding the difference in terms of accuracy and performance.** 6. **Why my project is considered edge computing rather than microcontroller.** 7. **Show the current progress of software development.** 8. **Show the problem faced with the software when flashing ARM Cortex-M4 and ways to mitigate it.** 9. **Discuss about progress review meeting.** 10. **Discuss about 2nd moderator meeting.** 11. **Discuss progress and plan based on the Gantt Chart.**   **Plan for the week:**   1. **Write ADC software to get readings from the ECG sensor.** 2. **Set up meeting for 2nd moderator meeting.** |

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| **Remarks (if any)** |
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**Student’s signature:**



**Supervisor’s signature(s):** **Date:**