

**2023-2024**

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

**Project Title : AI in Healthcare**

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

**Date of meeting : 23 Nov 2023 Length of meeting : 0.5 hour**

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| **Progress made since the last meeting** |
| 1. **Create a script and configure engineering mode on STM32MP157F-DK2 to send data via ST-Link UART.** 2. **Create a script to read GPIO input via Arduino connectors on the STM32.** 3. **Create a script and configure ADC on STM32 to read values from the ECG sensor.** 4. **Set up 2nd moderator meeting.** 5. **Fill in the ethical form and submit it to the supervisor.** 6. **Connecting hardware of ECG.** |

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| **Items discussed /planned for the week** |
| **Item Discussed:**   1. **Review the ethics application form.** 2. **Showcasing how ADC values can be obtained from the ECG sensor and STM32.** 3. **Showcasing problem faced during the process of obtaining the values from ECG sensors via STM32 and print it via Serial Monitor on PC.** 4. **Discuss and showcase plans for deploying AI models into STM32.**   **Plan for the week:**   1. **Create a slide for the supervisor and moderator progress review meeting.** 2. **Fill up the project review proforma.** 3. **Perform experiments to test the accuracy of the ECG sensor.** 4. **Design wearables that can be integrated with available hardware.** 5. **Research on STM32 model zoo and board compatibility.** |

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



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