

**2023-2024**

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

**Project Title : AI in Healthcare**

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

**Date of meeting : 5 Feb 2024 Length of meeting : 1 hour**

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| **Progress made since the last meeting** |
| 1. **Conducted progress review meeting with the supervisor.** 2. **Created progress review proforma.** 3. **Research datasets and create customized datasets from the WESAD dataset.** 4. **Trained artificial neural network using TensorFlow.** 5. **Convert .tf model to .tflite model to be used in STM32MP157F-DK2.** 6. **Upload the model into STM32Cube IDE and rectify the issue (flash memory is not enough).** 7. **Retrained the model using resized datasets and repeated the training steps until the model could be fitted onto the STM32 ARM Cortex-M chip.** 8. **Debug library issues and read documentation on running inference on the microcontroller.** |

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| **Items discussed /planned for the week** |
| **Item Discussed:**   1. **Review what had been done during the study break.** 2. **Discuss what will be done during the CNY break and the goal that needs to be achieved.**   **Plan for the week:**   1. **Debug and solve the library issues to run the model on the microcontroller in real time by feeding the ADC data from the sensor into the model.** |

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



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