

**2023-2024**

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

**Project Title : AI in Healthcare**

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

**Date of meeting : 18 Oct 2023 Length of meeting : 30 minutes**

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| **Progress made since the last meeting** |
| 1. **Researched on models and dataset available for idea proposed.** 2. **Drafting project outline and planning report.** 3. **Literature review focuses on journals from IEEE transactions, Elsevier, IOP.** 4. **Created a block diagram to showcase the tools and people involved in the project, compiled all the important requirements needed for the hardware and software into the block diagram.** 5. **Added error bars onto a Gantt Chart with markings of important datelines and milestones.** 6. **Set up first meeting with moderator on 6 Nov 2023.** |

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| **Items discussed /planned for the week** |
| **Item Discussed:**   1. **Proposed findings to Dr Hermawan about emotion recognition and heart disease classification on the edge. Discuss available datasets that are being used for training and their accuracy.** 2. **Updated Dr Hermawan about the algorithms used in journals: LSTM, CNN, transformer, machine learning models.** 3. **Dr Hermawan suggested the use of Mendeley tool for efficient citation and reference.** 4. **Dr Hermawan suggested to focus on 2 things when planning for the project:** 5. **Dataset: Choose a dataset that is able to train for both heart disease prediction and emotion recognition model.** 6. **Algorithm: Determine which model architecture to use for training – transformer, CNN, etc.** 7. **Discuss the project outline and planning report requirements.** 8. **Update Dr Hermawan about the Gantt Chart and items planned.**   **Plan for the week:**   1. **Literature review of recent years journals and research papers from healthcare industry, focus on publisher from IEEE Transaction, Elsevier, IOP.** 2. **Continue working on project outline and planning report.** 3. **Proper citation through Mendeley.** 4. **Choose dataset and determine model architecture that will be used for training.** |

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



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