**Details**

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| --- | --- |
| Date/Time | 24/8/22, 2:30-3:00 pm |
| Location | Zoom |
| Project Name | Atrial Fibrillation Detection Using Deep Learning |
| Subject | MAST90107 |
| Attendees | Janya Kavit Pandya, Soham Dighe, Leong Ryan Chow, Wesley Zhang, Minh Hieu Nguyen, Christopher Pendlebury, Yuhong Qin |
| Facilitator | Richard Rendell (Client) |

**Minutes**

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| --- | --- |
| Agenda topic | Main Points, Conclusions, Discussions, Decisions, Next Steps |
| Progress update on models | The accuracy for LSTM model is 0.9744 and the loss is 0.0363, but it seems like a little bit overfitting. For the 1D CNN, sub-sampled the data to 10000 samples per patient, generated training and test data, found that the data is highly imbalanced |

**Action Items**

|  |  |  |
| --- | --- | --- |
| Description | Assigned To | Due Date |
| Testing methods to combat imbalanced data/tuning the models | Janya Kavit Pandya, Soham Dighe, Leong Ryan Chow, Wesley Zhang, Minh Hieu Nguyen | 7/9/22 |

**Next Meeting Agenda Topics**

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| --- | --- |
| Topic | Presenter |
| Progress update on models | Soham Dighe |

**Next Meeting**

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| --- | --- |
| Date/Time | 7/9/22, 2:30-3:00 pm |
| Location | Zoom |
| Owner/Scheduler | Richard Rendell (Client) |