**Details**

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| --- | --- |
| Date/Time | 30/3/22, 1:00-2:00 pm |
| Location | Zoom |
| Project Name | Atrial Fibrillation Detection Using Deep Learning |
| Subject | MAST90106 |
| 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 |
| Understanding ECG data waves | Understanding PQRST waves and how to detect Atrial Fibrillation |
| Dataset access | Using the Physionet datasets for Atrial Fibrillation along with another dataset that will be given at a later date by Richard |
| Expected outcomes | Research and creation of models for detecting arrythmias so that the company can use it to create a device to monitor |
| Resource Allocation | HPC resources for running the models which can be arranged with Richard by the company |

**Action Items**

|  |  |  |
| --- | --- | --- |
| Description | Assigned To | Due Date |
| Research and literature review of arrythmias and PQRST waves | Janya Kavit Pandya, Soham Dighe, Leong Ryan Chow, Wesley Zhang, Minh Hieu Nguyen | 13/4/22 |

**Next Meeting Agenda Topics**

|  |  |
| --- | --- |
| Topic | Presenter |
| Genetic data and its relevance to ECG | Janya Kavit Pandya |
| Type of ECG waves to detect for project | Soham Dighe |
| Accuracy requirements for project | Leong Ryan Chow |

**Next Meeting**

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| --- | --- |
| Date/Time | 13/4/22, 1:00-2:00 pm |
| Location | Zoom |
| Owner/Scheduler | Richard Rendell (Client) |