

Initial Project Planning Report

Date	18-06-2025
Project Name	Arrhythmia Classification Using Deep Learning
Maximum Marks	4 Marks

Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint-1	Data Collection and Preprocessing	ECG-1	Understanding & loading ECG spectral image data	High	Adyant	2025/06/17	2025/06/17
Sprint-1	Data Collection and Preprocessing	ECG-2	Data cleaning and augmentation	High	Adyant	2025/06/17	2025/06/17
Sprint-1	Data Collection and Preprocessing	ECG-3	Exploratory Data Analysis (EDA)	Medium	Adyant	2025/06/17	2025/06/17
Sprint-2	Model Development	ECG-4	Building deep learning model (CNN or hybrid)	High	Adyant	2025/06/18	2025/06/18

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint-2	Model Development	ECG-5	Training the model	High	Adyant	2025/06/18	2025/06/18
Sprint-2	Model Development	ECG-6	Evaluating the model (accuracy, F1, report)	High	Adyant	2025/06/19	2025/06/19
Sprint-2	Model Development	ECG-7	Model tuning (hyperparameters, regularization)	Medium	Adyant	2025/06/19	2025/06/19
Sprint-3	Web Integration and Deployment	ECG-8	Building HTML templates for web interface	Medium	Adyant	2025/06/20	2025/06/20
Sprint-3	Web Integration and Deployment	ECG-9	Flask backend integration and local deployment	Medium	Adyant	2025/06/20	2025/06/20
Sprint-4	Project Report	ECG-10	Writing and submitting project report	Medium	Adyant	2025/06/21	2025/06/21