

Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	22 October 2022
Team ID	PNT2022TMID33910
Project Name	Classification Of Arrhythmia By Using Deep Learning With 2-D ECG Spectral Image Representation
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, and password, and confirming my password	4	Low	Vijay Anand M
Sprint-1	E-mail confirmation	USN-2	As a user, I will receive a confirmation email once I have registered for the application	4	Low	Pritha R
Sprint-1	Login Page	USN-3	As a user, I can log into the application by entering my email & password	6	Medium	Shyam Praveen Singh
Sprint-2	Dashboard	USN-4	As a user, based on my requirement I can navigate through the dashboard.	4	High	Vijay Anand M
Sprint-2	Upload Images	USN-5	As a user,I should be able to upload the image of ECG.	6	Low	Ruhie N

Sprint-2	Initialize the Model	USN-6	Initializing the Image recognition model	2	Low	Shyam Praveen Singh
Sprint-2	Train the model	USN-7	As a developer, the dataset will be uploaded and trained by developed algorithm.	6	High	Pritha R
Sprint-2	Testing & Evaluation	USN-8	As a developer, we tested the trained model using the provided dataset and model will be evaluated for accurate results.	6	High	Ruhie N
Sprint-3	Prediction Model	USN-9	After the Testing and Evaluation, we will try to predict accurate result.	4	Medium	Pritha R
Sprint-3	Cloud Storage	USN-10	The developer must create a storage in cloud for storing customer information	4	High	Shyam Praveen Singh
Sprint-3	User Activity	USN-11	As a customer, my past in the websites is displayed	4	Medium	Ruhie N
Sprint-3	Report Generation	USN-12	We can Test the model through Loaded necessary libraries, the saved model	4	Medium	Vijay Anand M
Sprint-4	Result of the Classification	USN-13	As a user, We will get Final output for the type of Arrhythmia	6	High	Pritha R
Sprint-4	Contact Us	USN-14	The users can contact us developers for further queries or information	4	Medium	Ruhie N
Sprint-4	About Us	USN-15	Information about the developers and their current progress.	8	Medium	Shyam Praveen Singh
Sprint-4	Model Deployment	USN-16	The final model is deployed for the end user to use	8	Medium	Vijay Anand M

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:

To calculate the team's **average velocity (AV)** per iteration unit

$$Av = \frac{\text{Velocity}}{\text{Sprint duration}}$$

Where,

Average Velocity - Story points per day

Sprint duration - Number of days (Duration) for Sprints

Velocity - Points per Sprint

$$Av = \frac{20}{6}$$

$$= 3.3$$

Burndown Chart:

A burndown chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

Burndown Chart:



