

Project Planning Phase

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

Team ID	PNT2022TMID05694
Project Name	Deep Learning Fundus Image Analysis for Early Detection of Diabetic Retinopathy
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-3	Registration	USN-1	A user can register through website either email id or phone number with password.	2	High	Rihana.M Priyadarshini RV
Sprint-3	Login	USN-2	A user can login to the site by the given Login credentials.	2	High	Nachammai. G Priyadarshini .RV
Sprint-3	Upload image	USN-3	A user, can upload the data in the form of pdf, doc etc.	1	Medium	Nowfal Mohammed Dheen.B Rihana.M
Sprint-3	Admin login	USN-4	An admin can login to the site and analyze the user data.	2	High	Rihana.M Nachammai. G
Sprint-1	Data collection	USN-5	An admin, can collect the dataset related to the DR from source.	1	Low	Nowfal Mohammed Dheen.B Priyadarshini.RV
Sprint-1	Create model	USN-6	An admin can create the model and train the model from the dataset for prediction.	2	High	Nachammai.G Nowfal Mohammed Dheen.B
Sprint-2	Test the model	USN-7	An admin, can test the model for prediction.	2	High	Rihana.M Nachammai.G

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint -2	Diagnosis	USN-8	A user can get the diagnosis result on the application and follow up with treatments.	2	High	Nowfal Mohammed Dheen.B Rihana.M
Sprint-4	Train Model on IBM	USN-9	Training the model on IBM	2	High	Rihana.M Nowfal Mohammed Dheen.B

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:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV=20/6=3.33 \text{ points per day}$$

Burndown Chart:

A burn down 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.

