

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID53360
Project Name	Project - A Gesture-based Tool for Sterile Browsing of Radiology Images
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	Launch application	USN-1	As a user, I can download and launch the application.	1	Medium	Rajsudhan M Poujhit MU Nikhilesh S Naveen Sriram R
Sprint-2	Camera interface	USN-2	As a user, I i need the camera interface for gesture input	1	Medium	Rajsudhan M Poujhit MU Nikhilesh S Naveen Sriram R
Sprint-2	AI model training	USN-3	As a user, I need the AI model ready for recognising the gestures	2	High	Rajsudhan M Poujhit MU Nikhilesh S Naveen Sriram R

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Deployment to cloud	USN-4	As a user, I need the app to be accessible anywhere ,	1	Medium	Rajsudhan M Poujhit MU Nikhilesh S Naveen Sriram R
Sprint-3	Prediction	USN-5	As a user, I need the predictions from the model	2	High	Rajsudhan M Poujhit MU Nikhilesh S Naveen Sriram R
Sprint-4	Image manipulation	USN-6	As a user, I need the image to be altered based on the prediction of the model.	2	High	Rajsudhan M Poujhit MU Nikhilesh S Naveen Sriram R

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		29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 Nov 2022	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)

$$AV = \frac{\textit{sprint duration}}{\textit{velocity}} = \frac{20}{10} = 2$$

Burndown Chart:

Will be added once project development sprint starts