

Project Planning Phase

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

Date	13 November 2022
Team ID	PNT2022TMID20976
Project Name	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	Find and Import required Libraries	USN-1	Collecting the necessary libraries for the development	2	High	Prakash kumar S Naveenvishal M
Sprint-1	Augmentation process	USN-2	It is used to artificially expand the dataset.	2	High	Prakash kumar S Nithish N
Sprint-2	Adding CNN and dense layer	USN-3	Each CNN layer learns filters of increasing complexity	2	Medium	Prakash kumar S Prasanna S
Sprint-2	Configure the learning process	USN-4	Images are cropped	2	Medium	Rishi Ritvik Raj A Nithish N
Sprint-2	Building the model	USN-5	Model is built	2	High	Prakash kumar S Naveenvishal M Nithish N
Sprint-2	Training and testing the model	USN-6	The built model is trained with processed data and tested	2	High	Rishi Ritvik Raj A Nithish N
Sprint-3	Improve the model	USN-7	Model is further refined for better experience	2	Medium	Naveenvishal M Prasanna S
Sprint-3	Save the model	USN-8	Model is saved with final fixes and ready to integrate	2	High	Prakash kumar S Nithish N
Sprint-3	Build the User Interface	USN-9	The UI is built (Website application)	2	Medium	Prakash kumar S Rishi Ritvik Raj A

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Integrate and train the model on IBM Cloud	USN-10	The model is integrated with IBM Cloud and trained	2	High	Rishi Ritvik Raj A Prakash kumar S
Sprint-4	Test the Application	USN-10	The application is tested	2	High	Prakash kumar S Naveenvishal 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	2	6 Days	19 Oct 2022	24 Oct 2022	2	26 Oct 2022
Sprint-2	2	6 Days	26 Oct 2022	31 Oct 2022	2	31 Oct 2022
Sprint-3	2	6 Days	01 Nov 2022	06 Nov 2022	2	07 Nov 2022
Sprint-4	2	6 Days	08 Nov 2022	13 Nov 2022	2	13 Nov 2022

Velocity:

Assume, 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)

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

Burndown Chart:

A burndown chart is a graphical representation of the work and time remaining for the project's completion. It's a project management tool used to track what's left. Below is a burndown chart representing the work done by our team.

Burndown Chart

