

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID42641
Project Name	A Gesture-based Tool for Sterile Browsing of Radiology Images
Maximum Marks	8 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Load	USN-1	Entering the Webpage	5	High	Madhan.T
Sprint-1	Register	USN-2	As a new user, I can register for the application by providing the necessary details.	5	High	Sudharsan.V
Sprint-1	Login	USN-3	As a existing user, I can login into my existing account by my login credentials.	5	High	Narmathi.G.P
Sprint-1	Dashboard	USN-4	Entering into the dashboard of the webpage	5	High	Sandeep.J
Sprint-2	About	USN-5	As a user, I can click the 'About' to know the details of this application	5	Medium	Narmathi.G.P
Sprint-2	Upload	USN-6	As a user, I can upload the radiology images from my computer.	8	High	Sudharsan.V
Sprint-2		USN-7	As a user, I can turn on the camera of mydevice to predict the hand gestures.	7	High	Madhan.T
Sprint-3	Gesture	USN-8	As a user, I can give different hand gesture movements and it recognizes it.	10	High	Sudharsan.V
Sprint-3	Predict	USN-9	Predicting the images using Hand Gesture	5	High	Sandeep.J

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Display	USN-10	As a user, I can see my uploaded radiology images.	7	High	Sandeep.J
Sprint-4	Raise Ticket	USN-11	As a user, I can raise a issue if found any errors or difficulties in using the application	6	Low	Narmathi.G.P
Sprint-4	Resolving errors	USN-12	As a Service provider or Administrator, I can resolve the complaints raised by thecustomers.	7	High	Sudharsan.V
Sprint-3	Get Queries	USN-13	As a Customer Support, I can get the queriesof the customer and notify administrator.	5	Low	Narmathi.G.P

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)

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

$$AV = \text{sprint duration} / \text{velocity} = 20 / 6 = 3.33$$

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.

