

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID35856
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	Building IBM Watson Assistant	USN-1	The entire source code is available in the IBM cloud	2	High	Ganapathi Subramanian R Divyadharshini S P
Sprint-1		USN-2	The dataset and model are available in cloud and should be trained in proper time gap	1	High	Elavarasan P Mansi A
Sprint-2	Modelling	USN-3	The model should be created such that it should be predict the hand gestures and do the appropriate function	2	Low	Ganapathi Subramanian R Divyadharshini S P
Sprint-2		USN-4	The processing time or response time should be reduced for fast response	2	Medium	Ganapathi Subramanian R Mansi A
Sprint-3	User Interface and Testing	USN-5	As a user ,I must have smooth gesture experience with good user interface satisfying all my expectation	1	High	Elavarasan P Divyadharshini S P
Sprint-3		USN-6	Testing the prototype created to ensure proper interpretation of messages and high level performance	2	High	Elavarasan P Mansi A
Sprint-4	Model Improvisation		The dataset should be increased in order to improve accuracy	2	High	Ganapathi Subramanian R Divyadharshini S P
Sprint-4			The input image should have high resolution	1	Medium	Ganapathi Subramanian R Elavarasan P
			Gain information about the shortcomings from the feedback provided and improve service	1	Medium	Elavarasan P Mansi A

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.



