

## Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID40865
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	Application Launch	USN-1	Entering Webpage	2	High	Loknath Kumar Mishra K, Divya K, Sasipriya V, Venkatesh M
Sprint-1	Homepage	USN-2	Entering to the "Homepage" of the UI(Webpage)	1	Low	Loknath Kumar Mishra K, Divya K, Sasipriya V, Venkatesh M
Sprint-2	Accessing UI	USN-3	I can interact with software and operate the application with the help of UI	1	Low	Loknath Kumar Mishra K, Divya K, Sasipriya V, Venkatesh M
Sprint-2	Upload images	USN-4	As a user I can upload my radiology image from the computer	2	Medium	Loknath Kumar Mishra K, Divya K, Sasipriya V, Venkatesh M

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Manipulation-2	USN-5	As a user I can turn on the camera using predict button and predicting the images using Hand Gesture	1	High	Loknath Kumar Mishra K, Divya K, Sasipriya V, Venkatesh M
Sprint-3	Manipulation-2	USN-6	As a user, I can give a gesture of raised fist and it recognizes	2	High	Loknath Kumar Mishra K, Divya K, Sasipriya V, Venkatesh M
Sprint-4	Display the result	USN-7	As a user, I can see the sterile browsed/manipulated image on the screen with respect to the gesture performed	2	High	Loknath Kumar Mishra K, Divya K, Sasipriya V, Venkatesh 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	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 6-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)

$$\text{AV} = \text{Sprint Duration} / \text{Velocity} = 20 / 6 = 3$$

**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.