

## PROJECT PLANNING PHASE

Date	26 October 2022
Team ID	PNT2022TMID29007
Project name	Project - A Gesture-based Tool for Sterile Browsing of Radiology

### 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	Launching Software	USN - 1	As a user, I can launch the developed software.	1	Low	Keerthi Raghavan R Aakash B Haridharshan S Prakashraj V Saransiva P
Sprint - 1	Access UI	USN - 2	As a user, I can use the software and operate on the UI.	1	Medium	Keerthi Raghavan R Aakash B Haridharshan S Prakashraj V Saransiva P
Sprint - 2	Launching Camera	USN - 3	As a user, I can open the camera from the software to perform gestures.	1	Low	Keerthi Raghavan R Aakash B Haridharshan S Prakashraj V Saransiva P

Sprint - 2	Upload images from local system	USN - 4	As a user, I can upload images to the software from the local system.	2	Low	Keerthi Raghavan R Aakash B Haridharshan S Prakashraj V Saransiva P
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Sprint - 3	Perform gestures	USN - 5	As a user, I can perform various gestures with respect to system specification for processing.	2	Medium	Keerthi Raghavan R Aakash B Haridharshan S Prakashraj V Saransiva P
Sprint - 4	Display output	USN - 6	As a user, I can see the sterile browsed image with respect to the gestures performed, displayed on the screen.	2	High	Keerthi Raghavan R Aakash B Haridharshan S Prakashraj V Saransiva 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)

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