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

Team ID	PNT2022TMID48554
Project Name	Project – Gesture Based Tool For Sterile Browsing of Radiological Images

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

To create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	7	High	Shajitha Begam A
Sprint-2		USN-2	As a user, I will receive confirmation email once I have registered for the application	5	High	Vindhiya G
Sprint-1	Testing	USN-3	As admin, I need to perform user acceptance test	5	Low	Sangeetha
Sprint-3		USN-5	As admin, I need to test the web application	8	High	Shajitha Begam A
Sprint-3		USN-6	As a user, I can register for the application through Gmail	6	Medium	Jeswin Selvaa
Sprint-2	Login	USN-7	As a user, I can log into the application by entering email & password	2	High	Jeswin Selvaa
Sprint-3	Dashboard	USN-8	As a user, I will be able to access dashboard with my account	6	Medium	Sangeetha.B
Sprint-1	Hand gesture Recognition	USN-9	As a user, I want to pass image that need to be manipulated	5	High	Shajitha Begam A
Sprint-1		USN-10	As a user, I need to show hand gesture to capture in camera for respective actions	5	High	G Vindhiya
Sprint-1		USN-11	As a user, I want to make sure that hand gesture is recognized as a particular action.	5	Medium	Jeswin Selvaa
Sprint-4		USN-12	As a user, I can manipulate the image provided	10	High	Sangeetha.B

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4		USN-13	As admin, I need to deploy model in cloud	10	High	Shajitha Begam 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 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)

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

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.