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

Date	18 October 2022
Team ID	PNT2022TMID53060
Project Name	Project - A Gesture-based Tool for Sterile Browsing of Radiology
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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	A Anirudh & Nestor Ingarshal
Sprint-1	Registration	USN-2	As a user, I will receive a confirmation email once I have registered for the application	2	High	D Karthik & K Pugalarasu
Sprint-1	Dashboard	USN-3	As a user, I can login and access my dashboard page.	3	High	A Anirudh & Nestor Ingarshal
Sprint-2	User Action	USN-4	As a user, I can upload an image of my hand for gesture classification.	2	High	D Karthik & K Pugalarasu
Sprint-2	User Action	USN-5	As a user, I can access my webcam and take a snapshot/image of my hand for gesture classification.	1	Medium	A Anirudh & Nestor Ingarshal
Sprint-2	Dashboard	USN-6	As a user, I can view my dashboard to see the classified gesture after uploading an image to the application.	3	High	D Karthik
Sprint-2	Model Enhancement	USN-7	As a user, I need a Deep Learning model that can recognize hand gestures with a low error	2	Medium	A Anirudh
Sprint-3	Cloud Deployment	USN-8	As a user, I need the application to be accessible all over the world.	5	High	A Anirudh & D Karthik

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Cloud Deployment	USN-9	As a user, I need the deep learning model to be accessible all over the world.	3	High	K Pugalarasu & Nestor Ingarshal
Sprint-3	User Action	USN-10	As I user, I should be able to access my dashboard to change my password.	1	Low	A Anirudh & D Karthik
Sprint-4	Warning	USN-11	As a user, I should be alerted in case: 1. The application can't access my webcam 2. The image I took/uploaded is corrupted	2	Medium	K Pugalarasu & Nestor Ingarshal
Sprint-4	Launch Application	USN-12	As a user, I can launch the application and upload images of hands for gesture recognition.	3	High	A Anirudh & D Karthik & K Pugalarasu & Nestor Ingarshal
Sprint-4	Prediction	USN-13	As a user, I can get the predicted results from the model deployed in the cloud.	3	High	A Anirudh & D Karthik & K Pugalarasu & Nestor Ingarshal

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	7	6 Days	24 Oct 2022	29 Oct 2022	7	- (Meet Planned Date)
Sprint-2	8	6 Days	31 Oct 2022	05 Nov 2022	8	- (Meet Planned Date)
Sprint-3	9	6 Days	07 Nov 2022	12 Nov 2022	9	- (Meet Planned Date)
Sprint-4	8	6 Days	14 Nov 2022	19 Nov 2022	8	- (Meet Planned Date)

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)

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

Average Velocity:

Average points per sprint = (7 + 8 + 9 + 8)/4 = 8

Story points per day/Average Velocity = 8/6 = 1.334

Burndown Chart:

A burndown 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, burndown charts can be applied to any project containing measurable progress over time.

The burndown chart can only be generated once a sprint or two is completed. It currently doesn't generate a burndown chart. We will upload the same to the Jira Files directory as and when our burndown chart gets updated.