Project Planning Phase

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

Date	09th November 2023
Team ID	Team-591588
Project Name	ASL- Alphabet Image Recognition
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 Member
Sprint-1	Uploading an image for recognition	USN-1	As a user, I can upload an image from my computer into the application successfully	2	High	Sriya Chinmayee
Sprint-1		USN-2	As a user, I can confirm which image is uploaded because when I upload an image by displaying the name of the chosen file	1	Low	Sriya chinmayee
Sprint-2		USN-3	As a user, I can upload images using any type of browsers	2	Medium	Sriya Chinmayee

Sprint-2	Using Webcam Stream for Live Recognition	USN-4	As a user, I can use my webcam to share my video stream successfully.	2	High	Sriya Chinmayee
Sprint-1	Result after uploading an image	USN-5	As a user, I get a quick and accurate result after clicking on the “Predict!” button	1	High	Sriya Chinmayee
Sprint-3	Result after sharing live webcam video stream	USN-6	As a user, I can share a live video stream via a webcam and get a quick low latency prediction result along with the confidence scores.	2	High	Sriya Chinmayee

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	11th Nov 2023	17th Nov 2023	19	18th Nov 2023
Sprint-2	20	6 Days	15th Nov 2023	21st Nov 2023	18	23rd Nov 2023
Sprint-3	20	4 Days	21st Nov 2023	25th Nov 2023	19	26th Nov 2023

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)

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

Sprint-1 = 19/6 = 3.167
Sprint-2 = 18/6 = 3
Sprint-3 = 19/4 = 4.75
Average Velocity = (Sprint-1 + Sprint-2 + Sprint-3)/3
= (3.167+3+4.75)/3
= 10.917/3
=3.639
Therefore, Average Velocity = 3.639.

Burndown Chart: