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	Preprocessing	USN-1	As a user, I can upload any kind of image with the pre-processing step is involved in it.	15	High	Loknath Kumar Mishra K, Divya K, Sasipriya V, Venkatesh M
Sprint-1		USN-2	As a user, I can upload the image in any resolution.	5	Low	Loknath Kumar Mishra K, Divya K, Sasipriya V, Venkatesh M
Sprint-2	Model	USN-3	As a user, I will get a application with ML model which provides high accuracy of recognized Hand gesture	10	Medium	Loknath Kumar

						Mishra K, Divya K, Sasipriya V, Venkatesh M
Sprint-2		USN-4	As a user, I can pass the hand Gesture for recognizing the Radiology images.	10	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	User Interface	USN-5	As a user, I will upload the Radiology image to the application by clicking a upload button.	15	High	Loknath Kumar Mishra K, Divya K, Sasipriya V, Venkatesh M
Sprint-3		USN-6	As a user, I can know the details of the fundamental usage of the application.	5	Low	Loknath Kumar Mishra K, Divya K, Sasipriya V, Venkatesh M
Sprint-4	Cloud Deployment	USN-7	As a user, I can see the manipulated image on the screen with respect to the gesture performed and cloud Deployment	15	High	Loknath Kumar Mishra K, Divya K, Sasipriya V, Venkatesh M
Sprint-4		USN-8	As a user, I can access the web application and make the use of the product	5	Low	Loknath Kumar

			from anywhere			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)

$$\mathbf{AV = Sprint\ Duration/Velocity = 20/6 = 3.33}$$