Project Planning Phase

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

Team ID	PNT2022TMID50752
Project Name	VIRTUAL EYE LIFEGUARD FOR SWIMMING POOL TO DETECT ACTIVE DROWNING SYSTEM
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	Collect Testset	USN-1	Collect Testset.	2	Medium	Meheswari
Sprint-1	Preprocess test set	USN-2	Extract features from the Testset by preprocessing.	2	High	Parameshwari
Sprint-1	Fine-tune the model	USN-3	Fine-tune the model.	4	High	Prabha
Sprint-2	Detection	USN-4	Load the fine-tuned model.	4	High	Sivaranajani
Sprint-2	Detection	USN-5	Identify the person by collecting real-time data through a webcam.	6	High	prabha
Sprint-2	Detection	USN-6	Classifies it using a trained model to predict the output.	8	High	parameshwari
Sprint-3	Registration	USN-7	As a user, I can register for the application by entering my email ,and password ,and confirming my password.	2	High	maheswari
Sprint-3	Registration	USN-8	As a user, I will receive a confirmation email once I have registered for the application.	1	High	sivaranjani
Sprint-3	Login	USN-9	As a user, I can log into the application by entering email & password.	1	High	Prabha
Sprint-4	Detection	USN-10	If a person is drowning , the system will ring an alarm to give signal.medi	8	High	maheswari
Sprint-4	Detection	USN-11	As a user, I can detect the drowning person.	7	Medium	parameshwari

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Logout	USN-12	As a user, I can logout of the application	20	Low	meheswari

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)

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