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	Registration		As a lifeguard , I can register for the application by entering my email, password, and confirming my password.	2	Medium	Maheswari M Parameshwari M Prabha M Sivaranjani V
Sprint-1	User Confirmation	USN-2	As a lifeguard, I will receive confirmation email once I have registered for the application	1	Medium	Maheswari M Parameshwari M Prabha M Sivaranjani V
Sprint-2	Login		As a lifeguard , I can log into the application by entering email& password	2	High	Maheswari M Parameshwari M Prabha M Sivaranjani V
Sprint-3	Cloudant DB		Create DB	2	High	Maheswari M Parameshwari M Prabha M

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
						Sivaranjani V
Sprint-4	Application building		As a Lifeguard , It will show the current Information of the swimming pool	1	Medium	Maheswari M Parameshwari M Prabha M Sivaranjani V

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)

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