Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID25362
Project Name	**VirtualEye- Life Guard for Swimming Pools to Detect Active Drowning**
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	4
Sprint-1	User confirmation	USN-2	As a user, I will receive confirmation email once I have registered for the application	2	Medium	4
Sprint-2	Login	USN-3	As a user, I can log into the application by entering email & password	2	High	4
Sprint-2	Cloudant DB	USN-1	Create database	2	High	4
Sprint-3	Coding (Accessing database)	USN-1	Coding set of instructions used to manipulate information so that a certain input result in a particular output.	2	High	4
Sprint-4	Application Building	USN-1	As a Lifeguard, it will show the current information of swimming pool	1	Medium	4

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	8	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	14	6 Days	31 Oct 2022	05 Nov 2022	20	04 Nov 2022
Sprint-3	16	6 Days	07 Nov 2022	12 Nov 2022	20	11 Nv 2022
Sprint-4	12	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)

For Sprint-1 the Average Velocity (AV) is: AV=Sprint Duration /velocity= 8/6=1.3V

For Sprint-2 the Average Velocity (AV) is: AV=Sprint Duration /velocity= 14/6=2.3V

For Sprint-3 the Average Velocity (AV) is: AV=Sprint Duration /velocity= 16/6=2.6V

For Sprint-4 the Average Velocity (AV) is: AV=Sprint Duration /velocity= 12/6=2.0V