Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID13667
Project Name	Smart Solutions For Railways
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	Dashboard	USN-4	Displaying User the Services we provide in Application	2	Medium	Overall Team
Sprint-2	Overall UI	USN-5	Non functional overall UI developed for User convenience	2	High	Overall Team
Sprint-2	Backend development and QRcode generation	USN-6	Giving User the semi functional UI of the Application	2	High	Overall Team
Sprint-2	Connecting Application with Cloud	USN-7	User can experience the semi functional working of the data(from cloud) with Application	2	Medium	Overall Team
Sprint-3	Connecting Devices/Gateways with Cloud	USN-8	User can experience the semi functional working of Iot device connected with Application	2	Medium	Overall Team
Sprint-3	Full functional UI	USN-9	Giving User the full functional UI of the Application with supported backended	2	High	Overall Team
Sprint-4	Debug and Testing	USN-10	Testing has been done for finding debugs	2	High	Overall Team
Sprint-4	Testing and Deployment	USN-11	Final Testing for Deployment	2	High	Overall Team

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	6	6 Days	25 Oct 2022	29 Oct 2022	To be Updated(to be 6)	29 Oct 2022
Sprint-2	6	6 Days	30 Oct 2022	07 Nov 2022	To be Updated (to be 6)	07 Nov 2022
Sprint-3	4	6 Days	09 Nov 2022	12 Nov 2022	To be Updated (to be 4)	12 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)

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