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

Date	09 November 2022
Team ID	PNT2022TMID29712
Project Name	Project - Project – Smart Solution for Railways
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	Register for the application by entering user credentials	2	High	Tamilmani T Praveena K
Sprint-1	Login Credentials	USN-2	User will receive confirmation email once they have registered for the application	1	Low	Tamilmani T Praveena K
Sprint-1	Login	USN-3	As a user, I can log into the Application by entering email & password	1	Low	Tamilmani T Sneha L
Sprint-1	Dashboard	USN-4	Displaying User the Services we provide in Application	2	Medium	Samy Ayya S Praveena K
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	24 Oct 2022	29 Oct 2022	To be Updated (to be 6)	29 Oct 2022
Sprint-2	6	6 Days	31 Oct 2022	05 Nov 2022	To be Updated (to be 6)	05 Nov 2022
Sprint-3	4	6 Days	07 Nov 2022	12 Nov 2022	To be Updated (to be 4)	12 Nov 2022
Sprint-4	4	6 Days	14 Nov 2022	19 Nov 2022	To be Updated (to be 4)	19 Nov 2022

Velocity:

Having a 6-day sprint duration, and the velocity of the team is 6 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = sprint\ duration\ /\ velocity$$
$$= 6\ /\ 6$$
$$= 1$$

Burndown Chart:

A burndown chart is a graphical representation of work left to do versus time.

DAYS	0	6	12	18	24
ACTUAL WORK EFFORT	20	20	14	0	0
IDEAL WORK EFFORT	20	14	8	4	0

ACTUAL WORK EFFORT and IDEAL WORK EFFORT

Google sheet : 🟢 Burndown chart