Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID50701
Project Name	Project – 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	User Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	1	Low	Esakkiammal M Muthulakshmi A Rajalakshmi R
Sprint-1	Booking Tickets	USN-2	For booking tickets passenger needs to be login, check availability of train and confirmation of seats.	1	Low	Esakkiammal M Muthulakshmi A Rajalakshmi R
Sprint-2	QR code Scanner	USN-3	If the searched train are available, then the passenger scan the OR code of a train in which they want to travel.	1	Medium	Esakkiammal M Muthulakshmi A Rajalakshmi R
Sprint-3	Faulty Tickets Identification	USN-4	Passenger QR ticket has been verified by In-charges through the application. Thus faulty tickets has been identified	2	Medium	Esakkiammal M Muthulakshmi A Rajalakshmi R

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	**Location tracking module**	USN-5	The location module enables your android app to receive location information and the ability to configure and monitor geofences.	2	High	Esakkiammal M Muthulakshmi A Rajalakshmi R

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	26 Oct 2022	29 Oct 2022	20	30 Oct 2022
Sprint-2	20	6 Days	2 Nov 2022	05 Nov 2022	20	06 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	15 Nov 2022
Sprint-4	20	6 Days	15 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)

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