Project Planning Phase

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

Date	20 October 2022
Team ID	PNT2022TMID11042
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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	NIDEESH S
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	NIDEESH S
Sprint-1		USN-3	As a user, I can register for the application through Facebook	2	Low	NIDEESH S
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	KARTHIC GANESH G
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	KARTHIC GANESH G
Sprint-1	Dashboard	USN-6	As a user, I can log into the application by entering email & password and access all the resources and services available	2	High	KARTHIC GANESH G

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Login	USN-1	As a customer data controller, I log into my profile and start monitoring the customer updates	3	High	MUTHUKUMARAN B
Sprint-2	Dashboard	USN-2	I receive all the information about customer journey from web . Whenever there is change in journey, corresponding updates are made.	2	Medium	MOHAN RAM R
Sprint-3	Login	USN-1	With the seat availability, the tickets are booked and the customer gets a QR code after booking	3	High	KARTHIC GANESH G
Sprint-3	Dashboard	USN-2	With the GPS module present in the train for tracking we can update the live status of the journey in the web app continuously.	2	Medium	MOHANRAM R
Sprint-4	Login	USN-1	As a ticket collector, I scan the QR code to identify the person's details.	3	High	MUTHUKUMARAN B
Sprint-4	Login	USN-1	As an administrator, I ensure that all departments work co-ordinated and ensure the accuracy and efficiency.	2	Medium	MOHAN RAM 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	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 Nov 2022	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)

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