

## Project Planning Phase-project milestone & sprint plan

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

Date	20 october 2022
Team ID	PNT2022TMID27593
Project Name	Smart Solutions for Railways
Maximum Marks	8 Marks

### Sprint Planning and Estimation:

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	Preethi
Sprint-1	Conformation	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Irfana
Sprint-1	login	USN-3	As a user, I can register for the application through Facebook	2	Low	Leo
Sprint-1	Display train details	USN-4	As a user, I can register for the application through Gmail	2	Medium	Pavithra
Sprint-2	Booking	USN-5	As a user, I can log into the application by entering email & password	1	High	Leo
Sprint-2		USN-7	As a user, I can choose the class, seat/berth. If a preferred seat/berth isn't available I can be allocated based on the availability	2	Low	Preethi
Sprint-2	Payment	USN-8	As a user, I can choose to pay through credit Card/debit card/UPI.	1	High	Pavithra
Sprint-2	Functional Requirement	USN-9	User Story / Task	2	High	Irfana
Sprint-3	Ticket Generation	USN-10	As a user, I can download the generated e- ticket for my journey along with the QR code which is used for authentication during journey	1	High	Irfana
Sprint-3	Ticket Status	USN-11	As a user, I can see the status of my ticket	1	Medium	Pavithra

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Reminder Notification	USN-12	As a user, I get reminders about my journey A day before my actual journey.	2	Low	Leo
Sprint-4	Ticket Cancellation	USN-13	As a user, trains can be tracked via GPS.	2	Medium	Preethi
Sprint-4	Raise Queries	USN-14	As a user, queries can be raised via mail.	1	Low	Leo
Sprint-4	Answer Queries	USN-15	As a user, queries can be answered via mail.	1	Low	Pavithra
Sprint-4	Feed Details	USN-16	As a user, information can be sent back as feedback.	1	Low	Irfana

### 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	17 Nov 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	17 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	17 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	18 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)

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