

## Project Planning Phase

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

Date	4 November 2022
Team ID	PNT2022TMID37659
Project Name	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	User Registration	USN-1	As a user, I can register for the application by entering my email, password.	2	High	
Sprint-1	User Confirmation	USN-2	As a user, I will receive QR via email once I have booked the tickets.	1	High	
Sprint-2	User Reservation and tracking	USN-3	As a user, The TC can verify my ticket by scanning.	2	Medium	
Sprint-3	Global Positioning System		In the event of a delay or emergency, the user can locate the train's present location by using the GPS module.	2	Medium	
Sprint-4	QR Code		The user gets the QR code through the mail to confirm their ticket.	1	High	

**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date (Actual)</b>
Sprint-1	20	6 Days	4 Nov 2022	9 Nov2022	20	8 Nov 2022
Sprint-2	20	6 Days	10 Nov 2022	16 Nov 2022	20	15 Nov 2022
Sprint-3	20	6 Days	17 Nov 2022	23 Nov 2022	20	22 Nov 2022
Sprint-4	20	6 Days	23 Nov 2022	29 Nov 2022	20	28 Nov 2022

**Velocity:**

$$AV = \frac{\textit{sprint duration}}{\textit{velocity}} = \frac{20}{6} = 3.33 = 3 \text{ (approx.)}$$

**Burndown Chart:**

