Project Planning Phase

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

Team ID	PNT2022TMID52824
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	Login	USN-1	Passenger can login to the website with their email and password and they can book their ticket	10	High	Dhaswanth.N.G
Sprint-1	Login	USN-2	Passenger can login to web application for booking tickets.	10	High	Abisheak.S
Sprint-2	Dashboard	USN-3	As a passenger, I will receive confirmation email once I have registered for the Application.	20	Low	Arunagirish.B
Sprint-3	Dashboard	USN-4	Receive confirmation mail.	20	Medium	Gokul.R
Sprint-4	Dashboard	USN-5	The user can book ticket with the help of travel agency by providing the necessary details	20	High	Dhaswanth.N.G

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	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 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)

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