

Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID11066
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	Registration	USN-1	As a user, I can register for the application by entering user data	10	High	Sahith Afridi Palaniyappan
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application and can login to the application	10	High	Sanjay Diwakar
Sprint-2	Ticket Reservation and tracking	USN-3	As a user I can login and book Tickets.	15	High	Sahith Afridi Palaniyappan
Sprint-2		USN-4	As a user, I can track the exact location of the train	5	Medium	Sanjay Diwakar
Sprint-3	Connection with service provider	USN-5	As a User ,I can use services like payment gateways as a User by receiving OTP.	20	High	Sahith Afridi Palaniyappan Sanjay Diwakar
Sprint-4	QR code generation	USN-6	As a user , I am able to get a QR code for ticket verification	20	High	Sahith Afridi Palaniyappan Sanjay Diwakar

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

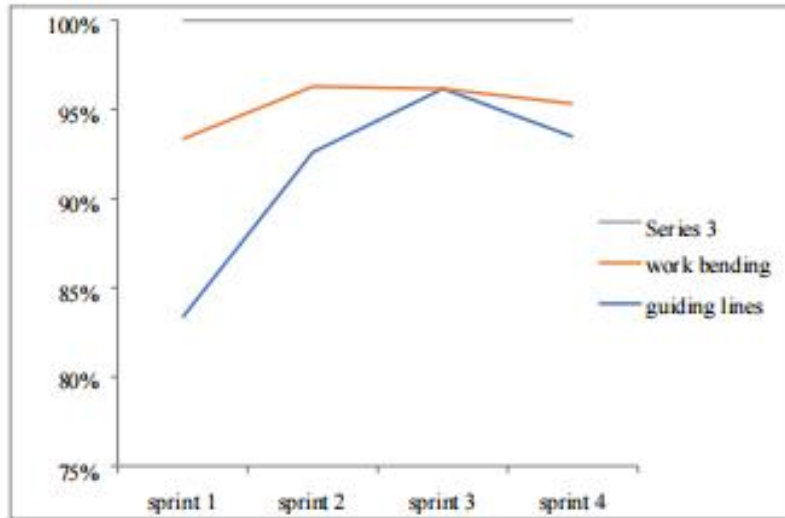
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:

We have a 6-day sprint duration, and the velocity of the team is 20 (points per sprint). The team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{\text{Sprint duration}}{\text{velocity}} = \frac{20}{6} = 3.33$$

Burndown Chart:



Velocity :

