Project Planning Phase

Date	27 October 2023
Team ID	Team-591212
Project Name	Project - Vande Bharat Express
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation:

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint- 1	Ticket Booking	VB-US01	As a passenger, I want to book tickets for the train.	5	High	Subash, Sam, Abhiram
Sprint- 1	Passenger Information	VB-US02	As a passenger, I want access to real-time train information.	3	Medium	Subash, Abhiram
Sprint-2	Onboard Services	VB-US03	As a passenger, I want to access onboard services like Wi-Fi, entertainment, and food.	5	High	Sam, Pavan
Sprint- 2	Maintenance Alerts	VB-US04	As a train operator, I want to receive real-time maintenance alerts and updates.	8	High	Pavan, Abhiram
Sprint- 3	App Performance	VB-US05	As a developer, I want to optimize the application for better performance.	5	Medium	Subash, Sam
Sprint- 3	Security Enhancements	VB-US06	As a security expert, I want to implement security enhancements in the app.	8	High	Pavan, Sam

Project Tracker, Velocity & Burndown Chart:

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	15	5 Days	14 Oct 2022	18 Oct 2022	15	18 Oct 2022
Sprint-2	20	5 Days	19 Oct 2022	23 Oct 2022	20	23 Oct 2022
Sprint-3	20	4 Days	24 Oct 2022	27 Oct 2022	20	27 Oct 2022
Sprint-4	15	7 Days	28 Oct 2022	04 Nov 2022	15	04 Nov 2022
Sprint-5	20	5 Days	05 Nov 2022	09 Nov 2022	20	09 Nov 2022

Velocity:

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

Burndown Chart: