Project Planning Phase

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

Date	24 October 2022
Team ID	PNT2022TMID32810
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 my email, password, and confirming my password.	10	High	Subikshaa.M Ritheswetha.R Subapreethi.B Vasunthara.K
Sprint-1		USN-2	As a user, I will receive confirmation email onceI have registered for the application and can login to the application	10	High	Subapreethi.B Vasunthara.K
Sprint-2	Ticket Reservation and tracking	USN-3	As a user I can enter my details and book tickets.	15	High	Ritheswetha.R Subapreethi.B
Sprint-2		USN-4	As a user, I can track the exact location of the train	5	Medium	Subikshaa.M Ritheswetha.R Vasunthara.K
Sprint-3	Connection with service provider	USN-5	As a User , I can utilize the services like payment gateways by receiving OTPs	10	High	Subikshaa.M Ritheswetha.R
Sprint-3	Queue Clearance	USN-6	As a user, I can use the automatic waiting list clearance	10	Medium	Subikshaa.M Vasunthara.K
Sprint-4	QR code generation	USN-7	As a user , I am able to get a QR code for ticket verification	20	High	Subikshaa.M Ritheswetha.R Subapreethi.B Vasunthara.K

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

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

Burndown Chart: