

Project Planning Phase

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

Date	27 October 2022
Team ID	PNT2022TMID35177
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, and confirming my password.	5	High	Arun Tiilak Karthe, Bharath Kumar D P
Sprint-1	User Login	USN-2	As a user,I can log into the application by entering email and password.	5	High	Sri Priyan S, Harish J
Sprint -1	Creating databases in IBM Cloud	USN-3	Databases are created to store user and ticket booking details.	5	High	Sri Priyan S, Bharath Kumar D P
Sprint-1	Location tracker simulation using IBM Watson Platform	USN-4	The live location of trains is simulated using location tracker device.	4	Medium	Arun Tiilak Karthe,Harish J
Sprint-2	Checking availability of trains and booking tickets	USN-5	As a user ,I can search for the available trains with the expected data,time of arrival and travel for a given source and destination and book tickets.	5	High	Sri Priyan S,Arun Tiilak Karthe
Sprint-2	QR Code generation for ticket	USN-6	As a user,I can get a QR code after making payment which can be verified by the train ticket examiner	5	High	Bharath Kumar D P,Harish J
Sprint-2	User Interface for QR code	USN-7	As a user,I can get my tickets verified using QR code scanner	5	High	Sri Priyan S,Bharath Kumar D P
Sprint-2	Integration with payment gateways	USN-8	As a user , I can pay the price for the tickets booked using payment gateways	5	High	Arun Tiilak Karthe,Harish J
Sprint-3	Live tracking the trains	USN-9	As a user , I can track the live location for trains after booking tickets using GPS	5	High	Sri Priyan S, Bharath Kumar DP

Sprint-3	Sending push notification to users	USN-10	As a user,I can receive text messages in case there is a delay in the arrival of trains	3	Low	Arun Tiilak Karthe,Harish J
Sprint-4	Testing the application	USN-11	The application is tested to check if it works as desired..	4	High	Arun Tiilak Karthe, Bharath Kumar D P
Sprint-4	Deploying the application	USN-12	The final application is deployed to IBM cloud.	3	Medium	Harish J,Sri Priyan S

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	19	6 Days	24 Oct 2022	29 Oct 2022	19	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	8	6 Days	07 Nov 2022	12 Nov 2022	8	12 Nov 2022
Sprint-4	7	6 Days	14 Nov 2022	19 Nov 2022	7	19 Nov 2022

Velocity:

AV= Velocity/Sprint duration =54/4 = 13.5

Burndown Chart: