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

Date	28 October 2022
Team ID	PNT2022TMID47580
Project Name	Smart Solutions 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 Passenger, I can register for the application by entering my email, password, and confirming my password.	7	High	S.Ramakrishnan,
Sprint-1		USN-2	As a Passenger, I will receive confirmation email once I have registered for the application	7	High	M.Vishnu
Sprint-1	Login	USN-3	As a Passenger, I can log into the application by entering email & password	6	High	S.Ramakrishnan, M.Vishnu
Sprint-2	Books Ticket	USN-4	I can select the Train and the train route to be travelled.	4	Medium	G.Suriyakrishna, T.Sabarinathan
Sprint-2		USN-5	I provide the basic details such as name, age, mobile number, etc.	6	High	G.Suriyakrishna, T.Sabarinathan
Sprint-2	Selecting the Seat	USN-6	After providing the basic information, I can select the desired seat I wanted if it is in available state.	4	Medium	G.Suriyakrishna, T.Sabarinathan
Sprint-2	QR Code Generation	USN-7	At last the QR Code is generated which contains the unique id through which the passenger information can be retrieved.	6	High	G.Suriyakrishna, T.Sabarinathan
Sprint-4	Tracking the location of Train	USN-8	As a Passenger, I can track the exact current location of the train.	13	Medium	G.Suriyakrishna, T.Sabarinathan M.Vishnu S.Ramakrishnan
Sprint-3	Login	USN-9	As a Administrator, I can log into the application by entering email & password	6	Medium	G.Suriyakrishna, T.Sabarinathan M.Vishnu
Sprint-4	Cancel the Booking	USN-10	As a Administrator, I can Cancel the Ticket if the information of the passenger is inappropriate.	7	Low	G.Suriyakrishna, T.Sabarinathan M.Vishnu S.Ramakrishnan
Sprint-3	TTR Verifies the Passenger	USN-11	As a Ticket Checker, I can scan the QR Code shown by the passenger.	7	High	G.Suriyakrishna, T.Sabarinathan M.Vishnu
Sprint-3		USN-12	As a Ticket Checker, I can verify the passenger using the information that displayed after scanning the QR Code.	7	High	G.Suriyakrishna, T.Sabarinathan M.Vishnu

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	30Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	06 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	13 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	20 Nov 2022

Burndown Chart:

Final Dataset:

Sprint	Points	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Total
1	20	7		7		6		20
2	20	6	4		6		4	20
3	20	6		7		7		20
4	20	7			13			20

Chart: