

DATE	17 NOVEMBER 2022
TEAM ID	PNT2022TMID48112
PROJECT NAME	SMART SOLUTIONS FOR RAILWAYS

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

Sprint	Functional requirements(epic)		User story /task	Story points	Priority	Team Members
Sprint-1	Registration	USN-1	A user can register through the website	2	High	
Sprint-1	Confirmation	USN-2	Confirmation message is received through email or otp through phone	1	High	Muthukaviya
Sprint-2	booking	USN-3	A user can book their seat through the web	2	Low	Animuthu
Sprint-2	Confirmation	USN-4	A QR code is generated and send through the user	2	Medium	
Sprint-3	verification	USN-5	A ticket collector is verified Through the QR code	1	High	Sathish
Sprint -4	Location tracking	USN-6	A Gps location of the train is show in the web	2	high	Jency

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)	Sp Da
Sprint-1	20	6 Days	24 oct 2022	29 oct 2022	20	29
Sprint-2	20	6 Days	31 oct 2022	05 Nov 2022	20	05
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12
Sprint-4	20	6 Days	14 Nov 2022	14 Nov 2022	20	19

Velocity: Imagine we have a 6 -Day sprint duration, and the velocity of the team is 20 (points per sprint).
Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \text{Sprint duration/Velocity} = 20/6 = 3.333$$