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

Date	29 October 2022
Team ID	PNT2022TMID30650
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 user, I can register for the application by entering my email, password, mobile number, and confirming my password.	4	High	NITHYA S
Sprint-1		USN-2	As a user, I will receive confirmation email or mobile based on my selection. once I have registered for the application	5	High	NITHYA S
Sprint-1	Login	USN-3	As a user, I can login by entering email & password through the web application.	1	Medium	YOGESHWARI C
Sprint-2	Booking	USN-4	As a user, I can search for the train availability and seats availability	5	High	SANDHIYA A
Sprint-2		USN-5	As a user and based on the availability I can book my tickets.	4	High	SANDHIYA A
Sprint-2	Dashboard	USN-6	As a user, I can see my dashboard once logged into application, and get access to the QR code copy for the reserved tickets.	3	High	SANDHIYA A

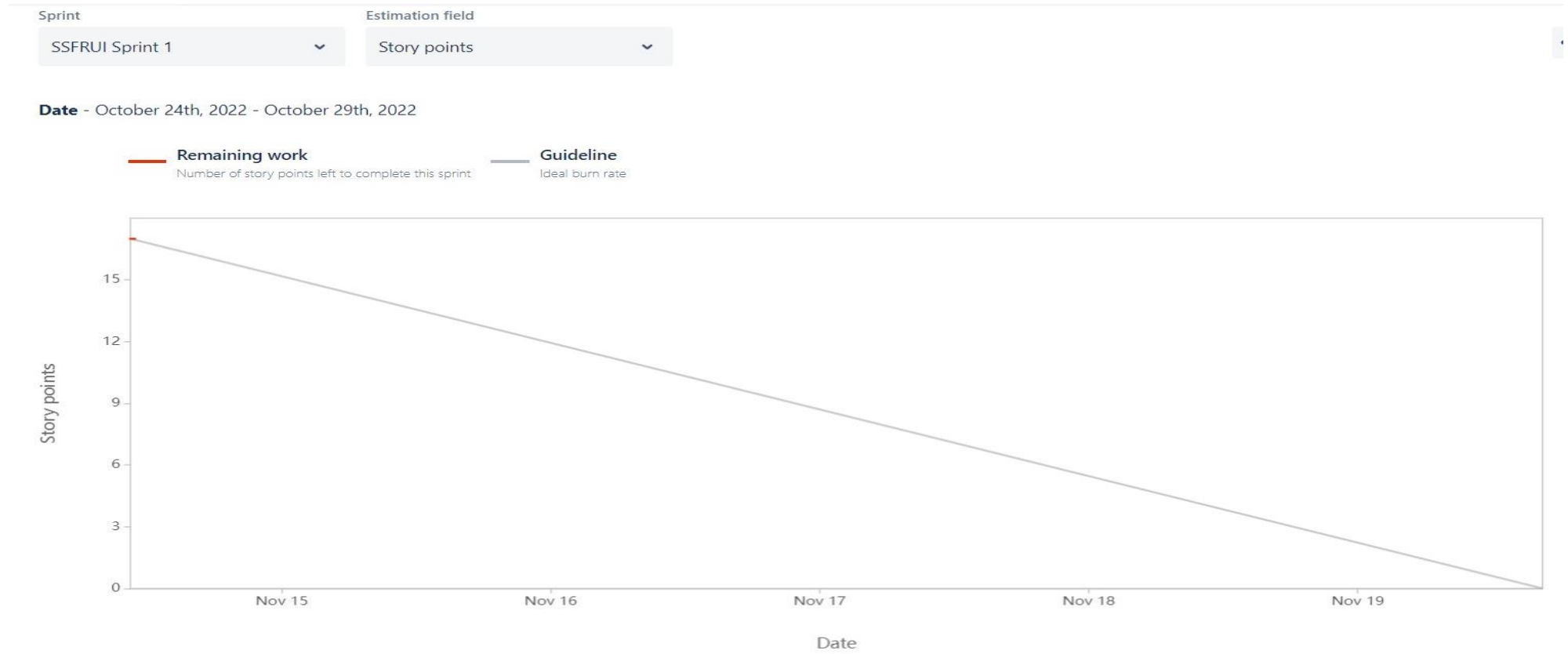| Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3		USN-7	As a user I can get my unique ID while scanning the QR code to verify my details.	5	Medium	SHIVA SHALINI S
Sprint-3	Tracking	USN-8	As a passenger, I can know where the train is by using the application with the unique Train ID.	5	Medium	SHIVA SHALINI S
Sprint-3	Management	USN-9	As a Administrator I can manage the cloud and database.	5	High	SHIVA SHALINI S
Sprint -3	Management	USN-10	As a ticket collector, I can scan the QR code of the passenger and get the entire details of the passenger	4	Medium	YOGESHWARI C
Sprint-4	Help Customers / Users	USN-11	As a Customer Care Executive, I have to take action for the customer complaints, request and query.	2	Medium	YOGESHWARI C
Sprint-4	Testing	USN-12	As a user, can check whether I can book my tickets successfully.	5	High	SANDHIYA A
Sprint-4	Testing	USN-13	As a user I can check whether I can get the respective QR code after booking my ticket.	5	High	SHIVA SHALINI S
Sprint-4	Testing	USN-14	As a ticket collector, I can check whether the tickets can be scanned properly and it shows the appropriate details of the passengers.	5	Medium	NITHYA 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	10	6 Days	24 Oct 2022	29 Oct 2022		
Sprint-2	12	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	19	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	17	6 Days	14 Nov 2022	19 Nov 2022		

Velocity:

Average Velocity (AV)= 10/4 = 2.5

Burndown Chart:

Sprint
SSFRUI Sprint 1

Estimation field
Story points

Date - October 24th, 2022 - October 29th, 2022

Remaining work
Number of story points left to complete this sprint

Guideline
Ideal burn rate

RoadMap Solution:

Sprints	OCT 24 25 26 27 28 29 30	NOV 31 1 2 3 4 5 6	NOV 7 8 9 10 11 12 13	NOV 14 15 16 17 18 19
	SSFRUI Sprint 1	SSFRUI Sprint 2	SSFRUI Sprint 3	SSFRUI Sprint 4
› ⚡ SSFRUI-15 Registration	████████			
› ⚡ SSFRUI-16 Login	████████			
› ⚡ SSFRUI-17 Booking		████████		
› ⚡ SSFRUI-18 Dashboard		████████		
› ⚡ SSFRUI-19 Tracking			████████	
› ⚡ SSFRUI-20 Management			████████	
› ⚡ SSFRUI-21 Help Customers				████████
› ⚡ SSFRUI-22 Testing				████████