

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

Date	21 October 2022
Team ID	PNT2022TMID13493
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	IBM Watson IOT platform,	USN-1	Getting into IBM Watson and create a device with device ID, device type with separate organization ID, authentication token in it.	1	High	Gokulnath S
	Cloudant DB	USN-2	Getting into Cloudant DB to store our data in it and can be retrieved when the database is called. It will show the information about the tickets booked.	1	Medium	Gokulnath S
Sprint-2	Node RED	USN-3	Getting into node red and creating a design flow how the process will be working and connecting it with world map and ibm Watson and cloudant DB.	1	High	Jawahar M
Sprint-3	Tracking	USN-4	Creating a python code to locate the train by using its latitude and longitude and connect it with IBM Watson by organization ID, device ID, device type, token	1	High	Kavin P
	QR-code	USN-5	Creating a python code to generate a qr-code generator and reader. Data entered will be stored in DB and while scanning the code ticket details will be published.	1	High	Kavin P
Sprint-4	MIT app inventor	USN-6	In MIT app design layout will be created and project will be deployed in it.	1	Medium	Sundaramoorthi S
	Testing	USN -7	Every sprint will be merged with each other and testing with the required inputs.	1	High	Sundaramoorthi S

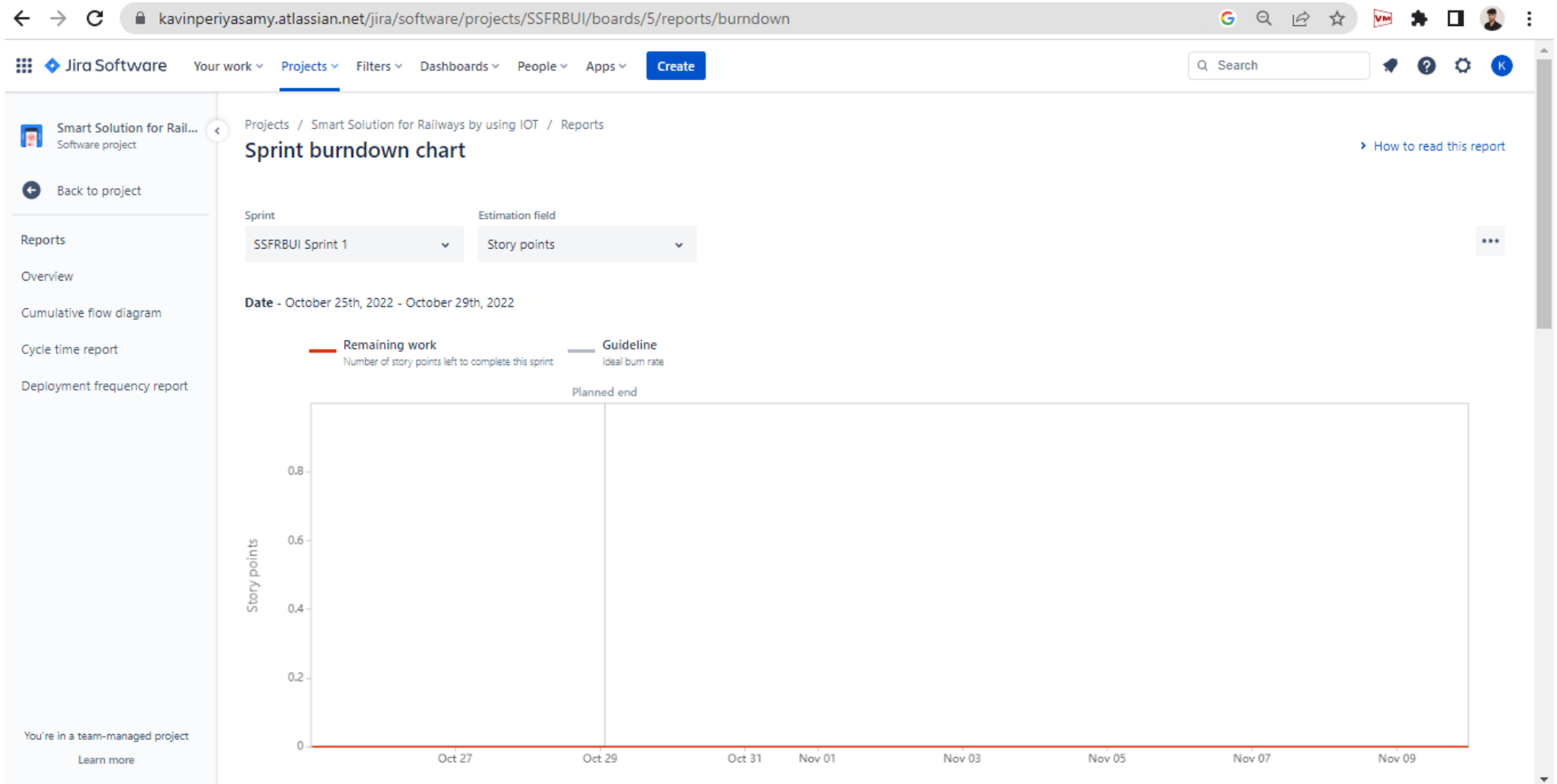
Project Tracker, Velocity & Burndown Chart: (4 Marks)

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	2	6 Days	24 Oct 2022	29 Oct 2022		
Sprint-2	1	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	2	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	2	6 Days	14 Nov 2022	19 Nov 2022		

Velocity:

$$\text{Average Velocity (AV)} = 7/2 = 3.5$$

Burndown Chart:



RoadMap:

← → ↺ [kavinperiyasamy.atlassian.net/jira/software/projects/SSFRBUI/boards/5/roadmap?timeline=WEEKS](#)

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Smart Solution for Rail...
Software project

Projects / Smart Solution for Railways by using IOT

Roadmap

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	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Sprints																														
SSFRBUI-3 IBM IOT WATSON																														
SSFRBUI-6 Cloudant DB																														
SSFRBUI-7 Node-Red																														
SSFRBUI-8 Tracking																														
SSFRBUI-9 QR-code																														
SSFRBUI-10 MIT inventor																														
SSFRBUI-11 Testing																														
+ Create Epic																														

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Today **Weeks** Months Quarters