Project Planning Phase

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

Date	08 NOVEMBER 2022
Team ID	PNT2022TMID422266
Project Name	Project - Signs with smart connectivity for better road safety
Maximum Marks	8 Marks

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

Sprint	Functional Requirement	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Resources Initialization	USN-1	Create and initialize accounts in various public API like Open Weather API.	13	Low	Jayaprakash S Balaa Rupeni S
Sprint-1	Resources Initialization	USN-2	Register for the open watson platform and node red services in the IBM cloud.	5	Medium	Mukil Arasi S Naveen Kumar T
Sprint-2	Node Red Software is used	USN-3	Create a web using Node Red to display the open weather map data, then develop a Python script to retrieve the data from the API. Sending the data to the IBM cloud by python script for the better accessing from anywhere	10	Medium	Balaa Rupeni S Naveen Kumar T
Sprint - 2	Sending the data to IBM cloud	USN - 4	Develop a web using Node Red for displaying open weather map data, by accessing the data from IBM watson	20	Low	Mukil Arasi S Jayaprakash S

Sprint-3	GPS module Interconnection	USN-5	Schools, hospitals, and other public spaces are continuously tracked using GPS technology; data is gathered using a Python script, and it is shown in a web user interface.	20	High	Mukil Arasi S Naveen Kumar T Balaa Rupeni S Jayaprakash S
Sprint-4	Data collection	USN-6	Traffic and catastrophic situations information is collected as a data and encoded.	20	Medium	Mukil Arasi S Naveen Kumar T Balaa Rupeni S Jayaprakash S
Sprint-4	Setup	USN-7	Collected datas from sprint 2 and 3 is deployed in Node Red service to link online API's	20	High	Mukil Arasi S Naveen Kumar T Balaa Rupeni S Jayaprakash S

Sprint	Functional Requirement	User Story Number	User Story / Task	Story Points	Priority	Team Members
	Service & Debugging		Better user experience.		High	Mukil Arasi S Naveen Kumar T Balaa Rupeni S Jayaprakash 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	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 NOV2022

Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:

The average velocity (AV) per iteration unit (story points per day) can be defined as sprint duration by velocity (points per sprint)

(AV = Sprint duration / Velocity)

Given:

Sprint duration = 6days Velocity = 20 AV = 6 / 20 = 0.3

AV = 0.3

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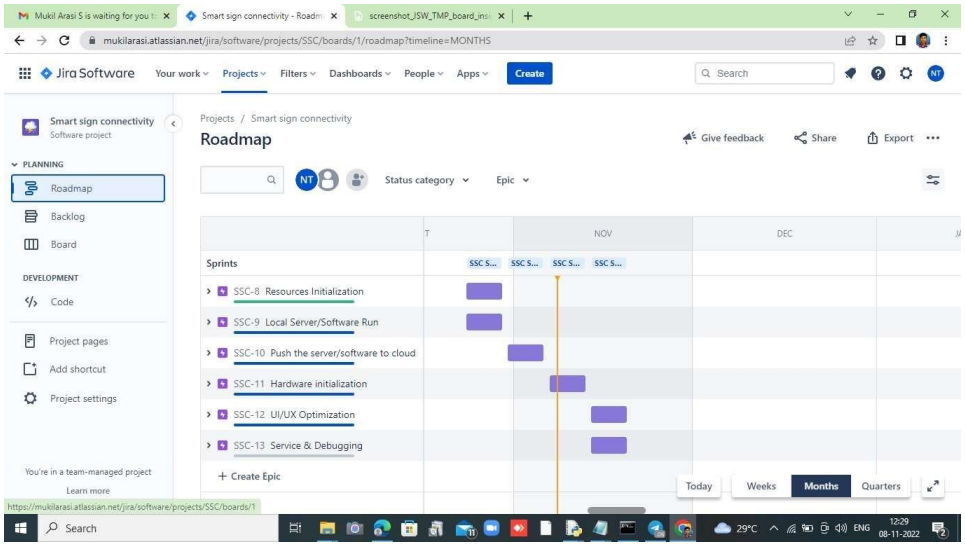

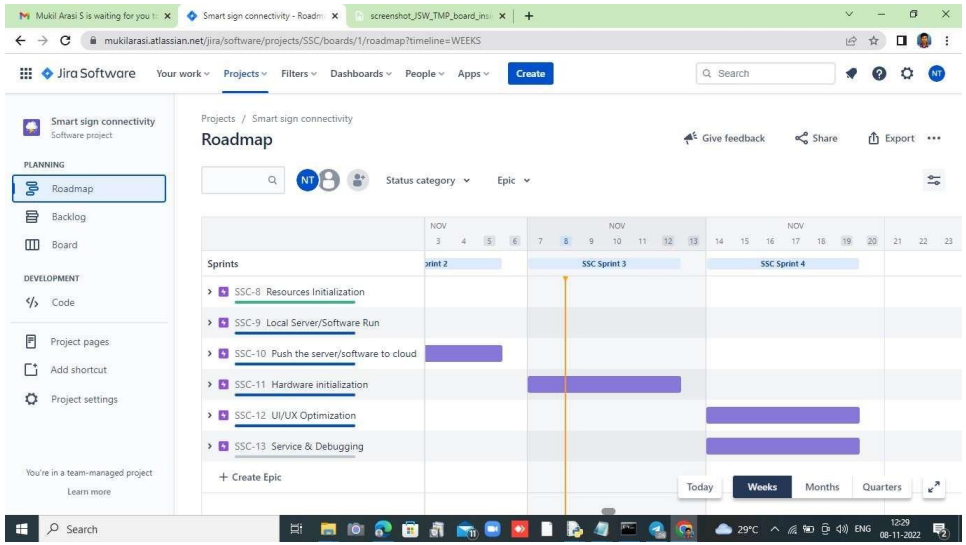
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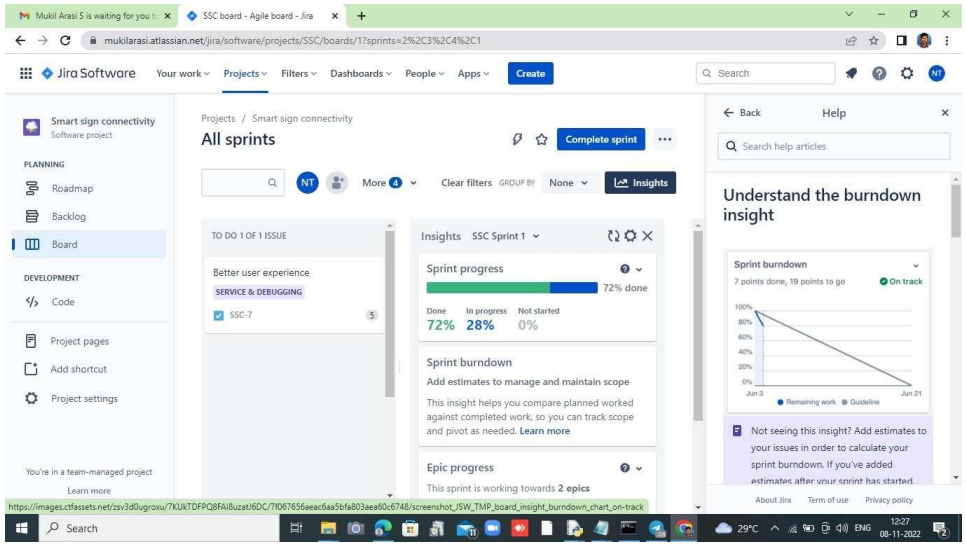
Sprints
SSC Sprint 3
SSC Sprint 4
SSC-8 Resources Initialization
SSC-9 Local Server/Software Run
SSC-10 Push the server/software to cloud
SSC-11 Hardware initialization
SSC-12 UI/UX Optimization
SSC-13 Service & Debugging
Create Epic
Today
Weeks
Months
Quarters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GROUP BY
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TO DO 1 OF 1 ISSUE
Better user experience
SERVICE & DEBUGGING
SSC-7
Insights
SSC Sprint 1
Sprint progress
72% done
Done
72%
In progress
28%
Not started
0%
Sprint burndown
Add estimates to manage and maintain scope
This insight helps you compare planned worked against completed work, so you can track scope and pivot as needed. Learn more
Epic progress
This sprint is working towards 2 epics
Back
Help
Search help articles
Understand the burndown insight
Sprint burndown
7 points done, 19 points to go
On track
Remaining work
Guideline
Not seeing this insight? Add estimates to your issues in order to calculate your sprint burndown. If you've added estimates after your sprint has started,
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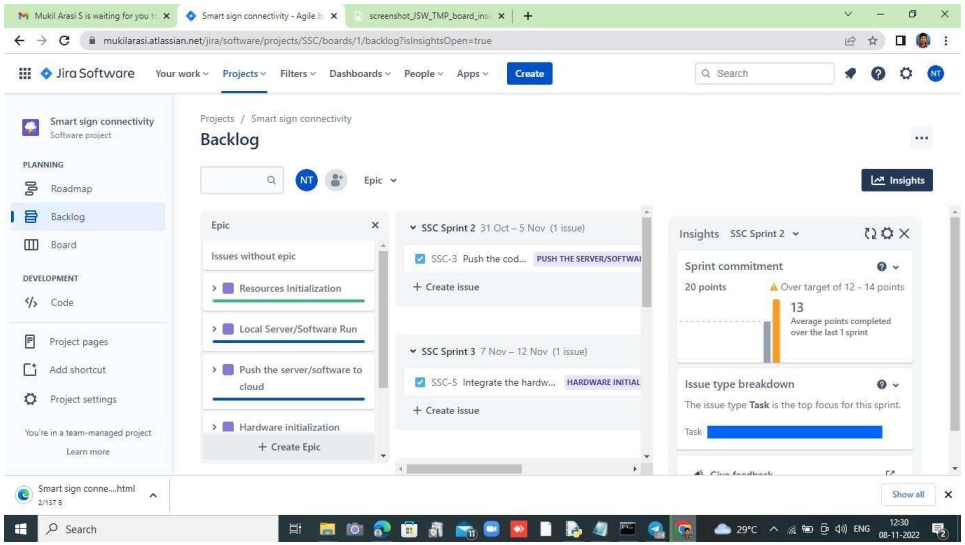

Burndown Chart: