

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

| | |
|---------------|--|
| Date | 08 NOVEMBER 2022 |
| Team ID | PNT2022TMID48245 |
| Project Name | Project - Signs with smart connectivity for better road safety |
| Maximum Marks | 6 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 | R.Gautham Ganesh T.R.Anantha krishnan |
| Sprint-1 | Resources Initialization | USN-2 | Register for the open watson platform and node red services in the IBM cloud. | 5 | Medium | R.Tamizharasan P.Santhiya jinthan |
| 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 | R.Gautham Ganesh R.Tamizharasan |
| 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 | P.Santhiya jinthan T.R.Anantha krishnan |

| | | | | | | |
|----------|----------------------------|-------|---|----|--------|--|
| 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 | R.Gautham Ganesh T.R.Anantha Krishnan R.Tamizharasan P.Santhiya jinthan |
| Sprint-4 | Data collection | USN-6 | Traffic and catastrophic situations information is collected as a data and encoded. | 20 | Medium | T.R.Anantha Krishnan R.Tamizharasan P.Santhiya jinthan R.Gautham Ganesh |
| 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 | T.R.Anantha Krishnan R.Tamizharasan P.Santhiya jinthan R.Gautham Ganesh |

| Sprint | Functional Requirement | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|--------|------------------------|-------------------|-------------------------|--------------|----------|--|
| | Service & Debugging | | Better user experience. | | High | T.R.Anantha Krishnan R.Tamizharasan P.Santhiya jinthan R.Gautham Ganesh |

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)

$$(AV = \text{Sprint duration} / \text{Velocity})$$

Given:

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

AV = 0.3

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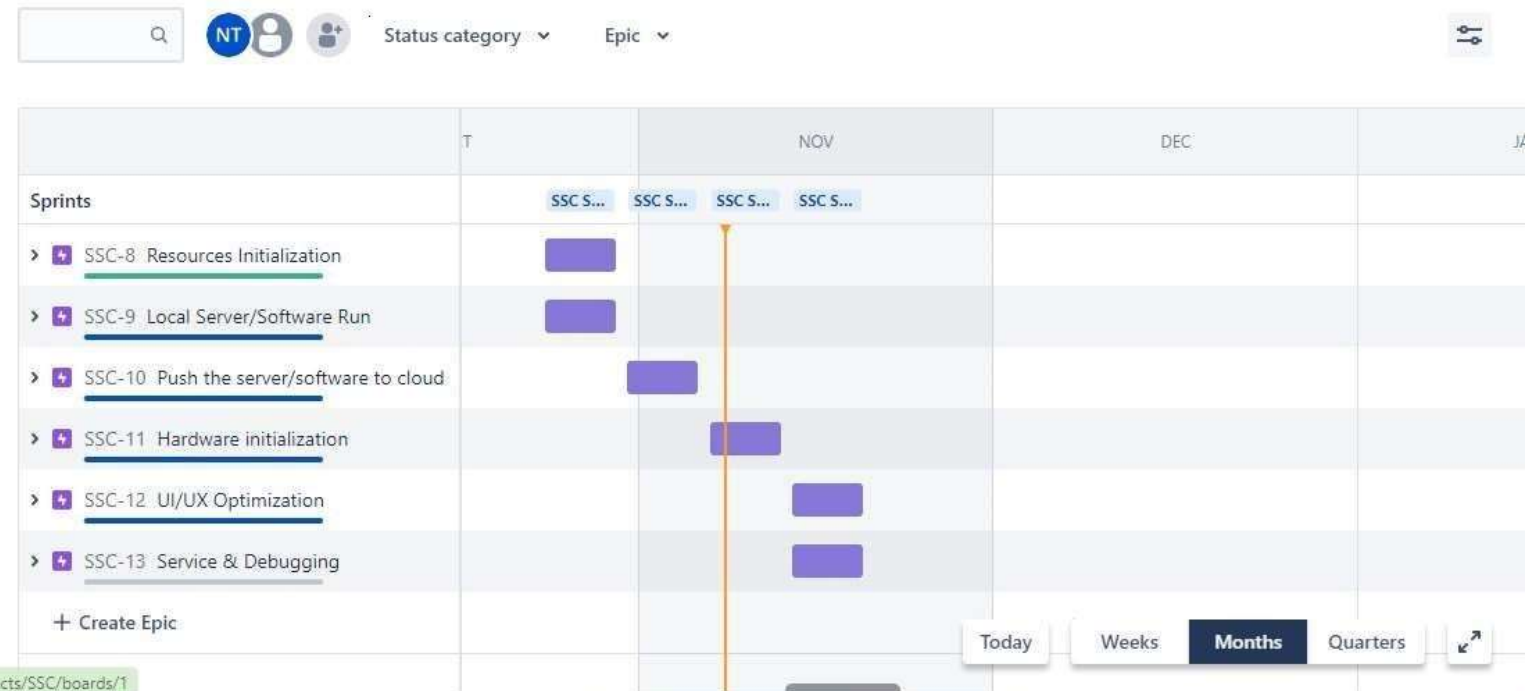
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Roadmap

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Insights

TO DO 1 OF 1 ISSUE

Better user experience

SERVICE & DEBUGGING

SSC-7

5

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

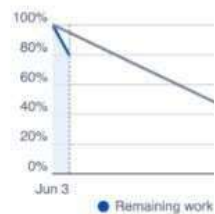
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Understand the insight

Sprint burndown

7 points done, 19 points to go



Not seeing this insight? Your issues in order of priority are not in the sprint burndown. If you add estimates after your work is done, it will be removed from the burndown.

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Epic

Epic

Issues without epic

> Resources Initialization

> Local Server/Software Run

> Push the server/software to cloud

> Hardware initialization

+ Create Epic

SSC Sprint 2

31 Oct – 5 Nov (1 issue)

SSC-3

Push the cod...

PUSH THE SERVER/SOFTWAI

+ Create issue

SSC Sprint 3

7 Nov – 12 Nov (1 issue)

SSC-5

Integrate the hardw...

HARDWARE INITIAL

+ Create issue

Insights SSC Sprint 2

Sprint commitment

20 points

Over target

13

Average po

over the la

Issue type breakdown

The issue type Task is the top focu

Task

Smart sign conne....html

2/137 B

Burndown Chart:

Sprint burndown



7 points done, 19 points to go

🟢 On track

