

## PROJET PLANNING PHASE

### Project Planning Template ( Product Backlog , Sprint Planning , Stories , Story Points )

Date	05 November 2022
Team ID	PNT2022TMID48884
Project Name	Smart solution for railway
Marks	8 Marks

### 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	prior ity	Team members
Sprint-1	Initializing the resources	Create an account in Open Weather API	5	LOW	T.Kohila S.Krishna veni
Sprint-1	Code in Software is written	Write a python script using the inputs given from Open Weather API	5	MEDI UM	M.pandeeswari L.Raja lakshmi
Sprint-2	Sending the software to cloud	The python code from sprint 1 should be sent to cloud so that it is easily accessible	5	MEDI UM	T.Kohila M.Sangeetha S.Krishnaveni M.Pandeeswari L.Rajalakshmi
Sprint-3	Initializing the connection between hardware and cloud	The hardware should be integrated for the easy access of the cloud functions	5	HIGH	T.Kohila M.Sangeetha S.Krishnaveni M.Pandeeswari L.Rajalakshmi

Sprint-4	User input-output optimization and error identification and rectification	Rectify all the shortcomings/errors and initiate the optimization for better usage	5	HIGH	T.Kohila M.Sangeetha S.Krishnaveni M.Pandeeswari  L.Rajalakshmi
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## Project Tracker, Velocity & Burndown Chart: (4 Marks )

Sprint	Total story points	Duration	Sprint start date	Sprint end date	Story points completed (as on planned end dates )	Sprint release date (actual)
Sprint-1	20	4 Days	05 Nov 2022	07 Nov 2022	20	07 Nov 2022
Sprint-2	20	4 Days	08 Nov 2022	11 Nov 2022	20	11 Nov 2022
Sprint-3	20	4 Days	12 Nov 2022	15 Nov 2022	20	15 Nov 2022
Sprint-4	20	4 Days	16 Nov 2022	19 Nov 2022	20	19 Nov 2022

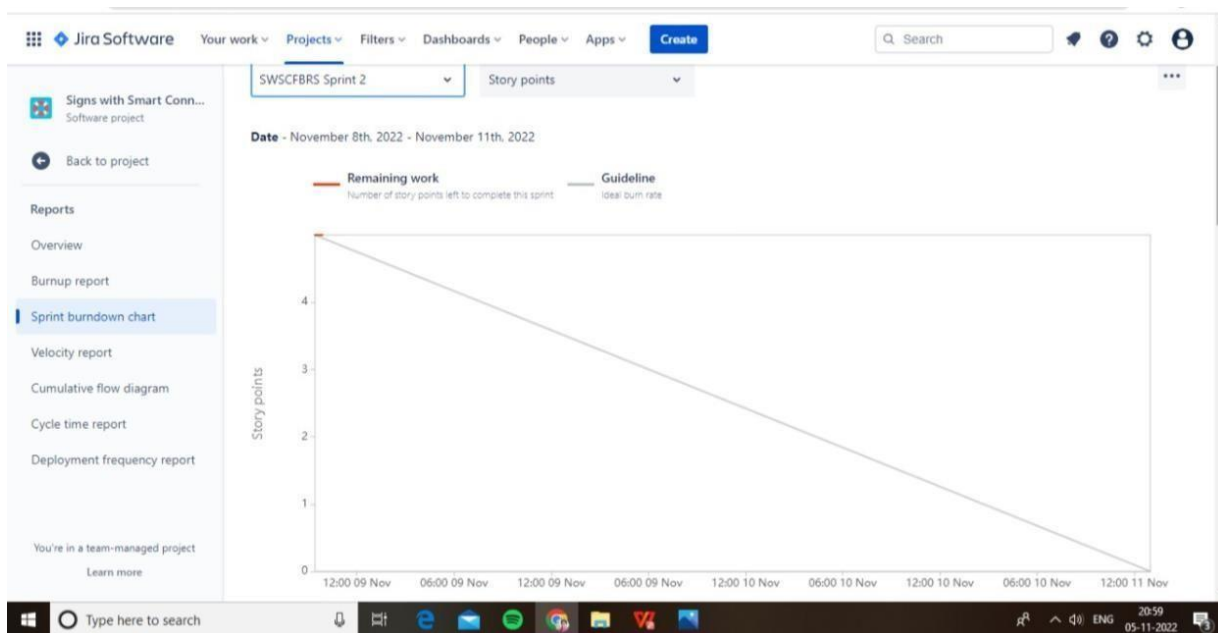
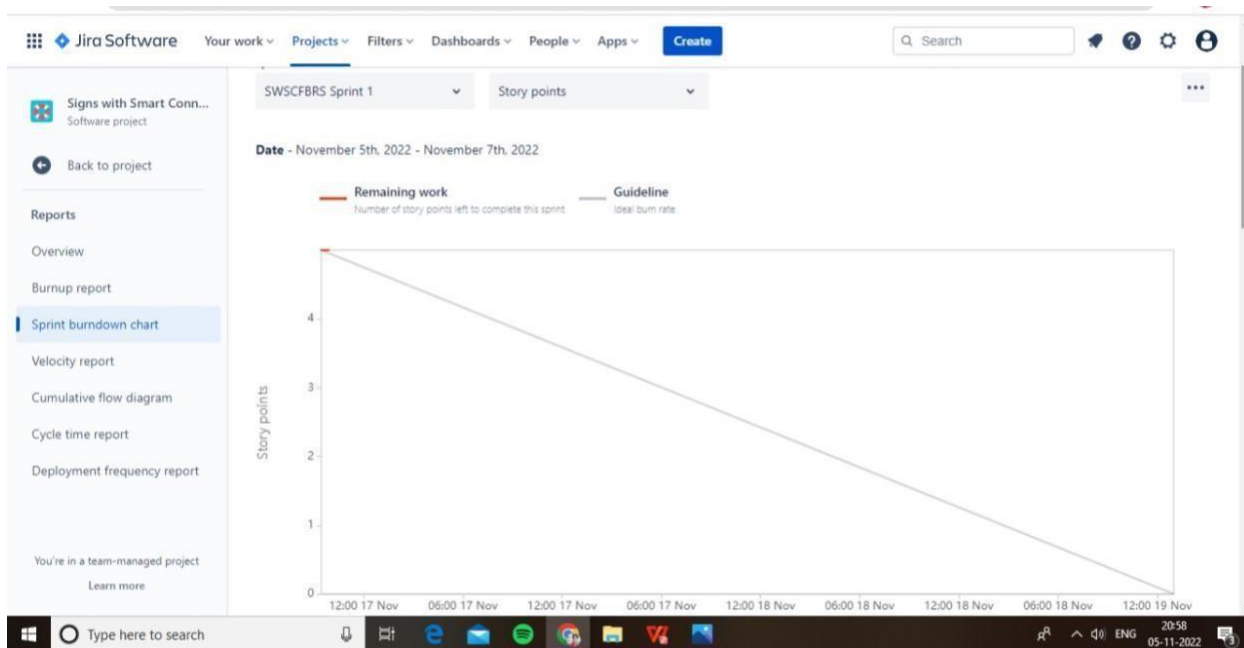
### Velocity:

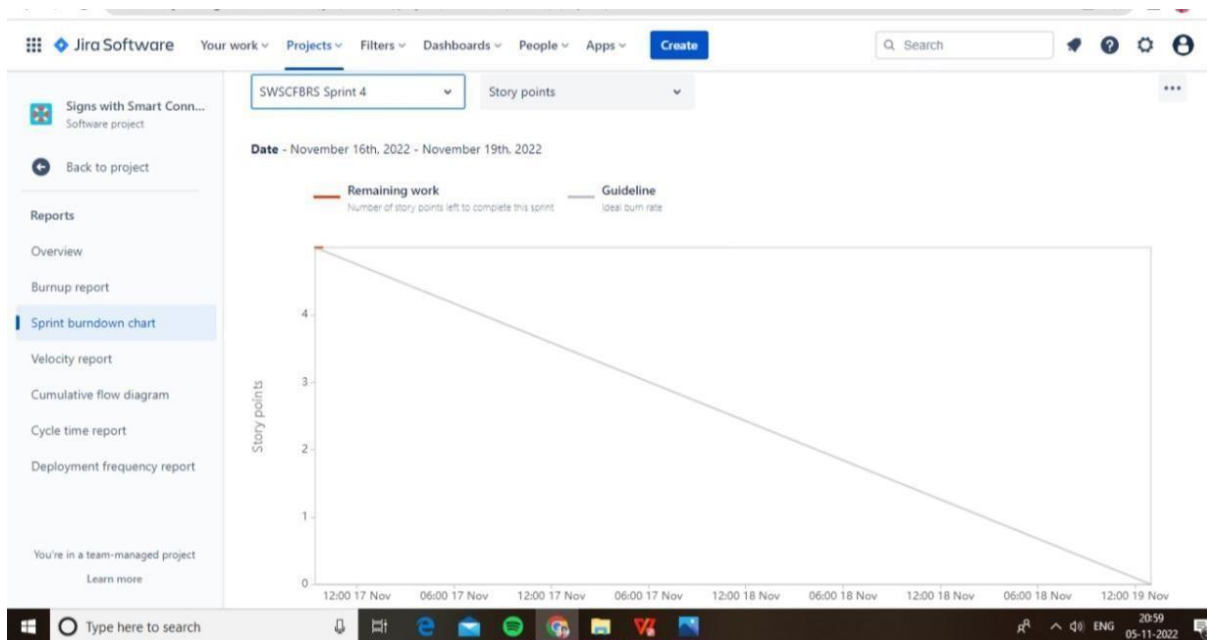
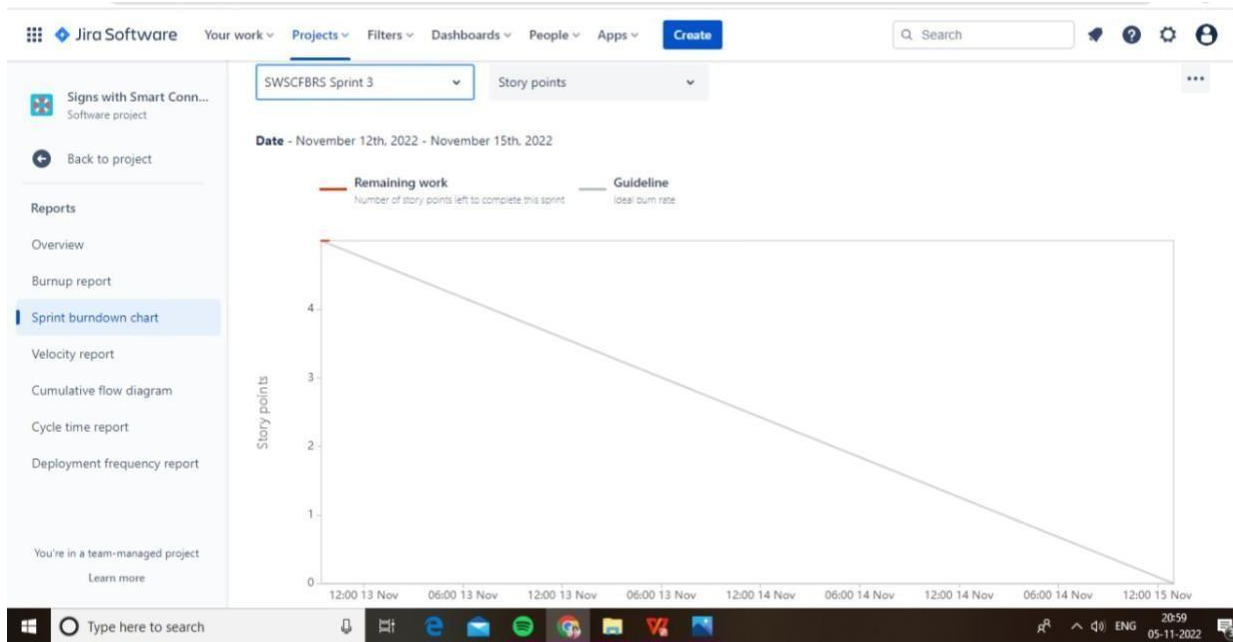
We have a 4 day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \text{Sprint duration} / \text{Velocity} = 20 / 4 = 5$$

### Burndown Chart:

A burndown chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burndown charts can be applied to any project containing measurable progress overtime.





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Sprints			
> <a href="#">SWSCFBRS-19 Initializing</a>			
> <a href="#">SWSCFBRS-20 Code in Software</a>			
> <a href="#">SWSCFBRS-21 Sending the software</a>			
> <a href="#">SWSCFBRS-22 Initializing the connection</a>			
> <a href="#">SWSCFBRS-23 Error rectification</a>			