

Project Planning Phase

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

Date	11 November 2022
Team ID	PNT2022TMID34503
Project Name	Smart solutions for railways
Maximum Marks	8 Marks

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

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Register	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Blesslin Benoj D
Sprint-2	Register	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Berson I
Sprint-2	Register	USN-3	As a user, I can register for the application through Facebook	2	Low	Jaslin Jenifer JJ
Sprint-2	Register	USN-4	As a user, I can register for the application through Gmail	2	Medium	Allansha MA
Sprint-2	Register	USN-5	As a user, I can log into the application by entering email & password	1	High	Blesslin Benoj D

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Register	USN-1	As a user, I can log into the application by entering email & password	2	High	Blesslin Benoj D
Sprint-3	Register	USN-2	Get access to IBM cloud services	1	High	Berson I
Sprint-3	Register	USN-3	To create the IBM Watson IOT platform and Intergrate the microcontroller with it to send sensed data to cloud	2	Low	Jaslin Jenifer JJ
Sprint-3	Register	USN-4	To create a node red service to integrate the IBM Watson along with Web UI	2	Medium	Allansha MA
Sprint-3	Register	USN-5	To create Web UI to access the data from cloud And display all parameters	1	High	Allansha MA

The screenshot displays the Jira Software interface for a project named 'smart solutions for railways'. The left sidebar shows navigation options like Roadmap, Backlog, Board, and Code. The main area shows the 'Backlog' view with two sprints:

- SSFR Sprint 2 (11 Nov - 22 Nov):** Contains 5 issues. Issues 19, 20, and 22 are in 'TO DO' status. Issues 23 and 24 are in 'DONE' status.
- SSFR Sprint 3 (11 Nov - 29 Nov):** Contains 5 issues. Issues 28, 30, and 34 are in 'REVIEW' status. Issues 33 and 36 are in 'IN PROGRESS' status.

Each issue is a user story starting with 'As a user, I can...' and includes a 'REGISTER' button. The interface also shows a search bar, filters, and a 'Create Epic' option.

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-2	25	12 Days	11 Nov 2022	22 Nov 2022	25	22 Nov 2022
Sprint-3	25	19 Days	11 Nov 2022	29 Nov 2022		

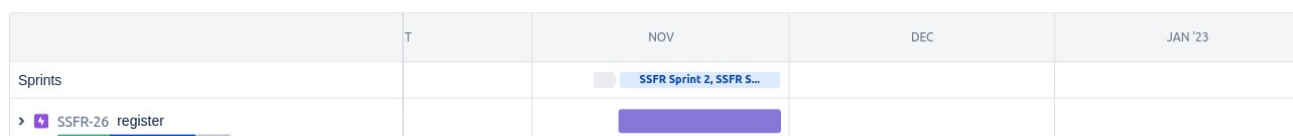
Velocity:

Imagine we have a 10-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)

$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{10} = 2$$

Burndown Chart:

A burn down 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, burn down charts can be applied to any project containing measurable progress over time.



Reference:

<https://pnt2022tmid34503.atlassian.net/jira/software/projects/SSFR/boards/1/roadmap>

