

Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points) Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Date	30 October 2022
Team id	PNT2022TMID00837
Project	Industry-specific intelligent fire management system

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-1	Login	USN-1	As a customer I might be able to ensure login credential through Gmail ease manner for the purpose of sending alert message to the owner...	2	High	KARANAM HANEESH
Sprint-2	Registration	USN-2	As a user, I have to register my details and tools details in a simple and easy manner in case of a fire.	2	High	MD AAMIR
Sprint-3	Dashboard	USN-3	As a user, in case of Fire in the industry I need the sprinkler to spray water on the fire automatically.	2	Low	DASARATHA PRANESH K
Sprint-3	Dashboard	USN-4	As a user, I need to safeguard my properties as well as and it will be better to send alert message to the fire department.	2	Medium	DASARATHA PRANESH K

Sprint-4	Dashboard	USN-5	As a user , Its good to have a IOT based system to extinguish the fire without human presence.	2	High	HARISH V
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Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Points	Story	Duration	Sprint Start Date	Sprint End (Planned)	Date	Story Completed (as on Planned Date)	Points End	Sprint Release (Actual)	Date
Sprint-1	20		6 Days	24 Oct 2022	29 Oct 2022		20		29 Oct 2022	
Sprint-2	20		6 Days	31 Oct 2022	09 Nov 2022		20		09 Nov 2022	
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:

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)

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