

## Project Planning Phase

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

Date	27 October 2022
Team ID	PNT2022TMID36617
Project Name	Industry-specific intelligent fire management system
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-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Narayanan S Karunakaran G
Sprint-1	User Confirmation	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Akilan R Hemnath S
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password	1	High	Narayanan S Karunakaran G
Sprint-2	Sensor	USN-4	In industry, sensors sense the fire and smoke.	2	High	Akilan R Hemnath S
Sprint-2	Actuators	USN-5	If the sensor detected the fire, next step is extinguishing the fire with the help of Sprinkler.	2	High	Narayanan S Karunakaran G
Sprint-3	Cloud	USN-6	All the values are stored in the cloud database.	2	High	Akilan R Hemnath S
Sprint-4	Siren	USN-7	If the fire is detected, employees should Evacuate by the intimation by Siren/Buzzer.	2	High	Narayanan S Karunakaran G

Sprint-4	Eventmanagement	USN-8	Notificationmessagewill besenttothefire Department,proprietor.	2	High	Akilar Hemnath S
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#### ProjectTracker, Velocity & BurndownChart (4 Marks)

Sprint	Total StoryPoints	Duration	SprintStartDate	SprintEndDate(Planned)	StoryPoints Completed(as on PlannedEndDate)	SprintReleaseDate(Actual)
Sprint-1	20	6 Days	24Oct2022	29Oct2022	20	29Oct2022
Sprint-2	20	6 Days	31Oct2022	05Nov2022	20	31Oct2022
Sprint-3	20	6 Days	07Nov2022	12Nov2022	20	07Nov2022
Sprint-4	20	6 Days	14Nov2022	19Nov2022	20	14Nov2022

#### 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)

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