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

Date	22 October 2022
Team ID	PNT2022TMID22392
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 & Login	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	6	High	Athulraj.P
		USN-2	As a user, I will receive confirmation email once I have registered for the application	7	High	Selvaram.S
		USN-3	As a user, I can log into the application by entering email & password	7	High	Satheesh.E
Sprint-2	Sensor & Actuators	USN-4	In industry, sensor sense the fire and smoke.	10	High	Hariprasad.S
		USN-5	If the sensor detected the fire, next step is extinguishing the fire with the help of Sprinkler.	10	High	Athulraj.P
Sprint-3	Cloud	USN-6	All the values are stored in the cloud database.	20	High	Selvaram.S
Sprint-4	Siren & Event management	USN-7	If the fire is detected, employee should Evacuate by the intimation by Siren/Buzzer.	10	High	Satheesh.E
		USN-8	Notification message will be sent to the fire Department, proprietor.	10	High	Hariprasad.S

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 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)

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