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

Date	7 NOVEMBER 2022
Team ID	PNT2022TMID24257
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 download the application	2	High	IRFAN HUSSEN.SK ASIF.SK VAMSI KIRAN.V JEEVAN.P
		USN-2	As a user, I can register to application with my e-mail	1	High	IRFAN HUSSEN.SK ASIF.SK VAMSI KIRAN.V JEEVAN.P
		USN-3	As a user, I will receive confirmation email or OTP to SMS once I have registered for the application	2	High	IRFAN HUSSEN.SK ASIF.SK VAMSI KIRAN.V JEEVAN.P
Sprint-2	Login	USN-4	As a user, I can log into the application by entering email and application	2	High	IRFAN HUSSEN.SK ASIF.SK VAMSI KIRAN.V JEEVAN.P
	Action	USN-5	As a user, I can view Temperature Readings	1	Medium	IRFAN HUSSEN.SK ASIF.SK VAMSI

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
						KIRAN.V JEEVAN.P
Sprint-3	Action	USN-6	As a user, I can view any flame is detected in the place	2	High	IRFAN HUSSEN.SK ASIF.SK VAMSI KIRAN.V JEEVAN.P
Sprint-4	Storage	USN-7	As an Administrator I can store the data in cloud database	2	High	IRFAN HUSSEN.SK ASIF.SK VAMSI KIRAN.V JEEVAN.P

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	30 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	31 Oct 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	07 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	14 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)

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