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

Date	30 October 2022
Team ID	PNT2022TMID04749
Project Name	Project - 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	Sowndhariya.V
Sprint-1	Confirmation	USN-2	As a user, I will receive confirmation email once I have registered for the application.	1	High	Soumiya.K
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password.	1	High	Sarveshan.k

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Simulation	USN-4	As a user, I can register for the application through Facebook.	2	Low	Sri Hari.V
Sprint-2	Software	USN-5	Develop a python code to publish random sensor data.	1	Medium	Sowndhariya.V
Sprint-2	Simulation	USN-6	Connect the data with IBM cloud.	2	Medium	Soumiya.K
Sprint-3	Simulation	USN-7	Establishing Node-RED connection	2	Low	Sarveshan.k
Sprint-3	App development	USN-8	Application development using MIT app inventor.	2	Medium	Sowndhariya.V
Sprint-4	Simulation	USN-9	Connecting the developed application with Node RED.	2	Low	Soumiya.K
Sprint-4	Testing	USN-10	Testing the application.	2	High	Sri Hari.V

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	10 Nov 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	12 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	15 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	16 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)

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