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

Date	01 NOVEMBER 2022
Team ID	PNT2022TMID21245
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	Simulation software	USN-1	Using WOKWI, connecting temperature, flame, gas sensors to ARDUINO with python script	20	High	Lakshmi Sree, Harsini, Madhumitha Bhagyalakshmi,
Sprint-2	Cloud Software	USN-2	Create device in the IBM Watson IOT platform and link it to Node-Red	20	High	Lakshmi Sree, Harsini, Madhumitha Bhagyalakshmi,
Sprint-3	MIT App Inventor	USN-3	Develop a mobile application using MIT APP Inventor	20	High	Lakshmi Sree, Harsini, Madhumitha Bhagyalakshmi,
Sprint-4	Linking	USN-4	Link WOKWI,IBM cloud and the developed App Application	10	High	Lakshmi Sree, Harsini, Madhumitha Bhagyalakshmi,
Sprint-4	Dashboard	USN-5	Design Modules and Testing the mobile application	10	High	Lakshmi Sree, Harsini, Madhumitha Bhagyalakshmi

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)

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