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

DATE	15/11/2022
TEAM ID	PNT2022TMID18446
PROJECT TITLE	Industry – specific intelligent fire management system

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	Login	USN-1	As a customer, I might ensure login credential through Gmail ease manner for the purpose of sending alert message to the owner.	2	High	**Ram Surya Narayanan.R,T. Praveen raj,S.Shree suryaa**
Sprint-1	Registration	USN-2	As a user, I have to registered my details and tools details in a simple and easy manner in case of fire, this registered system sends notification to the industrialist.	2	High	**Vishvesh MM,Madasamy P,Ram Surya Narayanan.R**
Sprint-2	Dashboard	USN-3	As a user, in case of Fire in the industry I need the sprinkler to spray water on the existing fireautomatically.	2	Low	**T.Praveen Raj,Madasamy. P,Shree Suryaa.S**

Sprint-1	Dashboard	USN-4	As a user, I need to safeguard my properties as well as and it will be better to send alert message to the fire department.	2	Medium	**T.Praveen Raj,Vishvesh MM,Ram Surya Narayanan R**
Sprint-1	Dashboard	USN-5	As a user, its good to have a IOT based system toextinguish the fire without human presence.	2	High	**Madasamy P,Shree suryaa.S,MM Vishvesh**

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint Date End (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	3 Days	6 NOV 2022	9 NOV 2022	20	9 NOV 2022
Sprint-2	20	2 Days	10 NOV 2022	12 NOV 2022	20	12 NOV 2022
Sprint-3	20	2 Days	12 NOV 2022	14 NOV 2022	20	14 NOV 2022
Sprint-4	20	1 Days	14 NOV 2022	15 NOV 2022	20	15 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)

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