Project Planning Phase

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

Date	10 November 2022
Team ID	PNT2022TMID09975
Project Name	Industry Specific Intelligent Fire Management System

Product Backlog, Sprint Schedule, and Estimation

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	Hasan Harun P Hiruthik P Kalirajan P Karuppasamy M
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 incident, this registered system sends notification to the industrialist.	2	High	Hasan Harun P Hiruthik P Kalirajan P Karuppasamy M

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 fire automatically.	2	Low	Hasan Harun P Hiruthik P Kalirajan P Karuppasamy M
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	Hasan Harun P Hiruthik P Kalirajan P Karuppasamy M

Sprint-1	Dashboard	USN-5	As a user , Its good to have a IOT based system to extinguish the fire without human presence.	2	High	Hasan Harun P Hiruthik P Kalirajan P Karuppasamy M

Project Tracker, Velocity & Burndown Chart:

Sprint	Total Points	Duration	Sprint Start Date	Sprint End (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release(Actual)
Sprint-1	20	6 Days	23 Oct 2022	28 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	28 Oct 2022	04 Nov 2022	20	04 Nov 2022
Sprint-3	20	6 Days	08 Nov 2022	11 Nov 2022	20	11 Nov 2022
Sprint-4	20	6 Days	13 Nov 2022	19 Nov 2022	20	18 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)

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