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

Date	18 October 2022
Team ID	PNT2022TMID19220
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 register for the application by entering my email, password, and confirming my password.	2	Low	Hari haran S
Sprint-1	Registration	USN-2	As a user, I will receive confirmation email once I have registered for the application	3	Medium	Hari prasath T
Sprint-1	Registration	USN-3	As a user, I can log into the application by entering email & password.	5	Medium	Maniesh M
Sprint-1	Monitoring	USN-4	As a user, I will enable the supervisor/admin to monitor the fire management system .	10	High	Jayavardhan P
Sprint-2	Notification	USN-5	As a user, I can check the proper delivery of alerts and SMS	10	High	Hari haran S
Sprint-2	Notification	USN-6	As a user, I can get alarming alert about fire accident.	10	High	Hari prasath T
Sprint-3	Login	USN-7	As a user, I can sign up using Facebook login	2	Low	Jayavardhan P
Sprint-3	Login	USN-8	As a user, I can sign up using Google Login.	2	Low	Maniesh M
Sprint-3	Service Request	USN-9	As a user, I can request for service in case of any issue with the fire management system.	8	Medium	Hari haran S
Sprint-3	Service Request	USN-10	As a user, I can request for scaling up the fire management system.	8	Medium	Hari prasath T

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Monitoring	USN-11	As a user, I can have mobile application for mobile application for alerting system	10	High	Hari haran S
Sprint-4	Monitoring	USN-12	As a user, I can monitor the storage of data in IBM cloudant.	10	High	Hari prasath T

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 6-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).

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{6} = 3.33$$

Burndown Chart:

Sprint 1