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

Date	22 October 2022
Team ID	PNT2022TMID22485
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	Sensing	USN-3	Making use of the sensors to detect the surrounding environment	2	High	Selva ganesh, rahul
Sprint-1	Extinguish	USN-4	In the event of a fire, activating the fire sprinkler system and exhaust fan.	2	High	Sathanandha krishna
Sprint-2	Sending Data to the ibm Not platform	USN-5	Transferring sensor data to the IBM Watson Dot platform from the microcontroller	1	Medium	Dharane ndiran
Sprint-3	Node-red	USN-6	Sending the data from IBM Watson to Node-RED so that it can be processed further	3	High	Selva ganesh
	Storing of sensor data	USN-7	Archiving the sensor data in a cloud-based database	1	Low	Sathana ndha krishna, selva ganesh
Sprint-4	Monitoring the environment	-USN 1	A dashboard that shows sensor data about the environment lets the user keep an eye on the situation.	1	Medium	Dharanendiran, Rahul sk

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
	Turn on/off the exhaust and sprinkler system	-USN 2	If necessary, the user can turn off the sprinkler system and exhaust fan.	2	Medium	Selva ganesh, sathanadha krishna
	Event Notification	-USN 8	Sending an SMS alert to the fire department in the event of a fire	2	High	Selva ganesh, sathanadha krishna

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	4	6 Days	24 Oct 2022	29 Oct 2022	4	29 Oct 2022
Sprint-2	1	6 Days	31 Oct 2022	05 Nov 2022	1	05 Nov 2022
Sprint-3	4	6 Days	07 Nov 2022	12 Nov 2022	4	12 Nov 2022
Sprint-4	5	6 Days	14 Nov 2022	19 Nov 2022	5	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=6.8

Burndown Chart