Project Planning Phase
Project Planning

Date	30 October 2022
Team ID	PNT2022TMID21836
Project Name	Industry-specific intelligent fire management system
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Sensing	USN-3	Sensing the surrounding environment using the sensors	2	High	Sivaramakrishnan, Shobika Sri
Sprint-1	Extinguish	USN-4	Turning on the exhaust fan as well as the fire sprinkler system in cause of fire	2	High	Subashini, Vishnu Vardan
Sprint-2	Sending Data to the IBM Watson IoT platform	USN-5	Sending the data of the sensor form the microcontroller to the IBM Watson IoT platform	1	Medium	Shobika Sri, Vishnu Vardan
Sprint-3	Node-red	USN-6	Sending the data from the IBM Watson to the node-red for further process the data	3	High	Sivaramakrishnan, Subashini
	Storing of sensor data	USN-7	Storing the received sensor data in a cloud Database	1	Low	Shobika Sri, Subashini
Sprint-4	Monitoring the environment	USN 1	User can monitor the situation of the environment from a dashboard that displays sensor information about the environment	1	Medium	Sivaramakrishnan, Vishnu Vardan

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	User can turn of the Exhaust fan as well as the sprinkler system if need in that situation	2	Medium	Shobika Sri, Subashini, Sivaramakrishnan, Vishnu Vardan
	Event Notification	USN 8	Sending an alert SMS to the fire authority in case of fire	2	High	Shobika Sri, Subashini, Sivaramakrishnan, Vishnu Vardan

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

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

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)

Avg = 7

Sprints						NOV	
		IBM S...	IBM S...	IBM S...	IBM S...		
⚡ IBM-1 Sensing the surrounding environment using t...		████████					
⚡ IBM-2 Sending the data of the sensor form the micr...			████				
⚡ IBM-4 Sending the data from the IBM Watson to th...				████			
⚡ IBM-5 Sending an alert SMS to the fire authority in...					████		