Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID51903
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	Sensing the surrounding environment using the sensors	2	High	Akshay , Karthik
Sprint-1	Extinguish	USN-4	Turning on the exhaust fan as well as the fire sprinkler system in cause of fire	2	High	Yoonus,ajin
Sprint-2	Sending Data to the ibm Not platform	USN-5	Sending the data of the sensor form the microcontroller to the IBM Watson Dot platform	1	Medium	Akshay , Karthik
Sprint-3	Node-red	USN-6	Sending the data from the ibm Watson to the node-red for further process the data	3	High	Yoonus,ajin
	Storing of sensor data	USN-7	Storing the received sensor data in a cloud Database	1	Low	Akshay , Karthik
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	Yoonus,ajin

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	Yoonus,ajin
	Event Notification	-USN 8	Sending an alert SMS to the fire authority in case of fire	2	High	Yoonus,ajin

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