Project Planning Phase

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

Date	31 October 2022
Team ID	PNT2022TMID40881
Project Name	Project - 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	Being a user, one can register the application by entering email id, password and confirming the credentials.	2	High	R.Mohan K.UdhayaKumar
Sprint-1	Simulation	USN-2	Connecting the sensors and arduino board with respective python code.	1	High	S.Nikesh K.Dhinesh Kumar
Sprint-2	Software	USN-3	Creation of specific devices in the IBM Watson IoT, and workflow using Node-Red.	2	Low	R.Mohan S.Nikesh K.Dhinesh Kumar
Sprint-1	MIT App Inventor	USN-4	Using MIT app, creation of a mobile application for the fire management system.	2	Medium	R.Mohan K.Udhaya Kumar

Sprint-1	Login	USN-5	Using the login credentials , I can login into the application.	1	High	R.Mohan K.Udhaya Kumar K.Dhinesh Kumar

Sprint	**Functional Requirement (Epic)**	**User Story Number**	**User Story / Task**	**Story Points**	**Priority**	**Team Members**
Sprint - 1	Dashboard	USN-6	Being a user , I can get notification alerts.	1	Medium	R.Mohan K.Udhaya Kumar S.Nikesh K.Dhinesh Kumar
Sprint-3	Testing and Development Phase 1	USN-7	According to the emergency case , testing of the system is done at the place of deployment.	2	High	R.Mohan K.UdhayaKumar S.Nikesh K.DhineshKumar
Sprint-3	Linking	USN-8	Linking the app with IBM cloud	2	High	R.Mohan K.UdhayaKumar S.Nikesh K.DhineshKumar
Sprint-4	Implementation	USN-9	Deployment of IoT based Industry specific Intelligent fire management system which is accessible at any circumstances.	2	High	R.Mohan K.UdhayaKumar S.Nikesh K.DhineshKumar

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 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 = SPRINT DURATION = 20 = 3.33

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VELOCITY 6