Project Planning Phase

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

Date	31 October 2022
Team ID	PNT2022TMID26511
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	Srimaithreyi S,Manasa padhy
Sprint-1	Simulation	USN-2	Connecting the sensors and arduino board with respective python code.	1	High	Srimaithreyi S, Bala sona
Sprint-2	Software	USN-3	Creation of specific devices in the IBM Watson IoT, and workflow using Node-Red.	2	Low	Lalith Kumar, Manasa Padhy
Sprint-1	MIT App Inventor	USN-4	Using MIT app, creation of a mobile application for the fire management system.	2	Medium	Bala Sona , Manasa Padhy

Sprint-1	Login	USN-5	Using the login credentials , I can login into the application.	1	High	Srimaithreyi S, Bala Sona

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	Lalith Kumar, Manasa Padhy
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	Srimaithreyi S,Manasa Padhy
Sprint-3	Linking	USN-8	Linking the app with IBM cloud	2	High	Manasa Padhy, Lalith Kumar
Sprint-4	Implementation	USN-9	Deployment of IoT based Industry specific Intelligent fire management system which is accessible at any circumstances.	2	High	Bala Sona, Srimaithreyi S

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

Burndown Chart:

A burndown chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/
https://www.atlassian.com/agile/tutorials/burndown-charts

Reference: https://www.atlassian.com/agile/project management
https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software
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