HAZARDOUS AREA MONITORING FOR INDUSTRIAL PLANTS POWERED BY IOT

PROJECT PLANNING PHASE

Date	21 October 2022
Team ID	PNT2022TMID23518
Project Name	Project – Hazardous area monitoring for industrial plants powered by IOT
Maximum Marks	8 Marks

TEAM MEMBERS

SAPNA U K (113219041099)

GOLI HEMASWI (113219041031)

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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	Application	USN-1	MIT app inventor	1	High	Sapna U K Goli Hemaswi Kavitha S Priyadarshini S
Sprint-1	Application and website	USN-1	Coding		High	Sapna U K Goli Hemaswi Kavitha S Priyadarshini S
Sprint-1	Application and website	USN-1	Validation Output		High	Sapna U K Goli Hemaswi Kavitha S Priyadarshini S
Sprint-2	Website	USN-2	Web UI	1	High	Sapna U K Goli Hemaswi Kavitha S Priyadarshini S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Application	USN-3	Fast 2 SMS	1	High	Sapna U K Goli Hemaswi Kavitha S Priyadarshini S
Sprint-4	Registration	USN-4	As a user, I can register for the application by entering my email, password, and confirming my password.	1	Medium	Sapna U K Goli Hemaswi Kavitha S Priyadarshini S
Sprint-4	Login		As a user, I will receive confirmation email once I have registered for the application.		Medium	Sapna U K Goli Hemaswi Kavitha S Priyadarshini S
Sprint-4	Dashboard		As a user, I can register for the application through Gmail.		Medium	Sapna U K Goli Hemaswi Kavitha S Priyadarshini S
Sprint-4			As a user, I can log into the application by entering email & password.		Medium	Sapna U K Goli Hemaswi Kavitha S Priyadarshini 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	10	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	10	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	10	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	10	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)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$