HAZARDOUS AREA MONITORING FOR INDUSTRIAL PLANTS POWERED BY IOT

PROJECT PLANNING PHASE

Date	21 October 2022
Team ID	PNT2022TMID53632
Project Name	Project – Hazardous area monitoring for industrial plants powered by IOT
Maximum Marks	8 Marks

TEAM MEMBERS

SWETHA V

THEJESWARI DVS

AP LAKSHANA

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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	Installation of beacons	USN-1	First the Admin will be installing smart beacons at necessary places	1	High	Sapna U K Goli Hemaswi Kavitha S Priyadarshini S
Sprint-1	Providing Wearables	USN-1	The Admin will be providing everyone at the Industry a wearable device.		Medium	Sapna U K Goli Hemaswi Kavitha S Priyadarshini S
Sprint-2	Cloud Setup	USN-2	The smart Beacons will connect with the cloud services. Where we can get the real time data from the wearable	1	High	Sapna U K Goli Hemaswi Kavitha S Priyadarshini S

Sprint-3	Online Monitoring via Web	USN-3	Websites will be created and connected with the cloud services.	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-4	Monitoring via Mobile	USN-4	Mobile Application will be created and fast sms will be used to alert abnormality to the user.	1	High	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)

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