

Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	30 October 2022
Team ID	PNT2022TMID39342
Project Name	Hazardous Area monitoring in Industrial Plants powered by IOT
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story	Points Priority	Team Members
Sprint-1	Temperature monitoring	USN-1	As a user, I need to know the temperature of the Industrial plant.	4 of	High	Santhiya, Bargavi, kamali, Sasidharan, Sriram, Harish kumar
Sprint-1	Gas Monitoring	USN-2	As a user, I need the gas composition concentration around me.	2 and/or	Medium	. Santhiya, Bargavi, kamali, Sasidharan, Sriram, Harish

						kumar
Sprint-1	Fire Monitoring	USN-3	As a user, I need to identify the presence of flame in the industry.	4 of	High	Santhiya, Bargavi, kamali, Sasidharan, Sriram, Harish kumar
Sprint-1	PIR Motion	USN-4	As a user, I need to know about security motion detection.	and 2	High	. Santhiya, Bargavi, kamali, Sasidharan, Sriram, Harish kumar
Sprint-2	IOT dashboard interface	USN-5	As a user, I must be able to view the data on the internet.	using 4	High	. Santhiya, Bargavi, kamali, Sasidharan, Sriram, Harish kumar
Sprint-3	Web UI		As a user, I must be able to access data on the website.		Low	Santhiya, Bargavi, kamali, Sasidharan, Sriram, Harish kumar.
Sprint-4	Mobile UI		As a user, I can view the data log in the application.	Mobile 1	Low	. Santhiya, Bargavi, kamali, Sasidharan, Sriram, Harish kumar

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total StoryPoints	Duration	Sprint Start Date (Planned)	Sprint End Date (Planned)	Story Points Completed (Planned)	Sprint Release Date(Actual) (as on Date)
Sprint-1	20	6	Days 24 Oct 2022	29 Oct 2022	6	
Sprint-2	20	6	Days 31 Oct 2022	05 Nov 2022	4	
Sprint-3	20	6	Days 07 Nov 2022	12 Nov 2022	2	
Sprint-4	20	6	Days 14 Nov 2022	19 Nov 2022	2	

Velocity:

We have a 6-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)

$$AV = \frac{\textit{sprint duration}}{\textit{velocity}} = \frac{20}{6}$$

Burndown Chart:

Burndown Chart

