

Team ID : PNT2022TMID11820

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

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	High	Mohana,Laxmi kavina,logeshwari,dhana lakshimi
Sprint-1	Gas Monitoring	USN-2	As a user, I need the gas composition and/or concentration around me.	2	Medium	Mohana,Laxmi kavina,logeshwari,dhana lakshimi.
Sprint-1	Fire Monitoring	USN-3	As a user,I need to identify the presence of flame in the industry.	4	High	Mohana,Laxmi kavina,logeshwari,dhana lakshimi
Sprint-1	PIR Monitoring	USN-4	As a user,I need to know about security and motion detection.	2	High	Mohana,Laxmi kavina,logeshwari,dhana lakshimi
Sprint-2	IOT dashboard interfacing	USN-5	As a user, I must be able to view the data using internet.	4	High	Mohana,Laxmi kavina,logeshwari,dhana lakshimi.
Sprint-3	Web UI	USN-6	As a user, I must be able to access data from a website.	1	Low	Mohana,Laxmi kavina,logeshwari,dhana lakshimi
Sprint-4	Mobile UI	USN-7	As a user, I can view the data log in a Mobile application.	1	Low	Mohana,Laxmi kavina,logeshwari,dhana lakshimi

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

Sprint	Total StoryPoints	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	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 iterationunit (story points per day)

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

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Burndown Chart:

