

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID43411
Project Name	Gas Leakage Monitoring And Alerting System For Industries
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	Monitor the gas leakage	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	JOTHI KRISHNA T KARTHIKEYAN A NITHIYANANTH S VIPIN L
Sprint-2	Avoid From Disaster	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	JOTHI KRISHNA T KARTHIKEYAN A NITHIYANANTH S VIPIN L
Sprint-3	Detect the gas	USN-3	As a user, I can register for the application through Facebook	2	Low	JOTHI KRISHNA T KARTHIKEYAN A NITHIYANANTH S VIPIN L
Sprint-4	The model is trained and tested by sample datase	USN-4	As a user, I can register for the application through Gmail	2	Medium	JOTHI KRISHNA T KARTHIKEYAN A NITHIYANANTH S VIPIN L

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	JOTHI KRISHNA T KARTHIKEYAN A NITHIYANANTH S VIPIN L
	Dashboard					

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	04 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	010 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	20 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)

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

Burndown Chart:

