

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID27462
Project Name	Project - Hazardous Area Monitoring for Industrial Plant powered by IoT
Maximum Marks	10 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
2	Authentication	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	3	High	Josalin, Tanya
2	Authentication	USN-2	As a user, I will receive confirmation email once I have registered for the application	2	High	Josalin, Tanya
2	Authentication	USN-3	As a user, I can register for the application through Gmail	1	Low	Hemanth
2	Authentication	USN-4	As a user, I can activate my device by entering email & password	2	High	Josalin, Tanya
1	Employee usage	USN-5	As a user, I can view the temperature of the site I'm at on my device	5	High	Harshitha, Ryan
4	Remote staff usage	USN-6	As a user, my device should constantly transmit the temperature of the site to the cloud	5	High	Josalin, Tanya
4	Remote staff usage	USN-7	As a user, I should be able to view all the data transmitted from the various devices of an industrial power plant.	3	High	Harshitha, Ryan
3	Employee usage	USN-8	As a user, my device and UI should be user friendly	1	High	Ryan, Harshitha

1	Employee usage	USN-9	As a user, my device should get details from the beacon at my site	3	High	Ryan, Harshitha
3	Employee usage	USN-10	As a user, my device should notify if there is an unusual rise or drop in the temperature	2	High	Ryan, Harshitha
3	Employee usage	USN-11	As a user, my device should show me which my closest exist is	5	low	Ryan, Harshitha

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	8	6 Days	24 Oct 2022	29 Oct 2022	8	29 Oct 2022
Sprint-2	8	6 Days	31 Oct 2022	05 Nov 2022	8	05 Nov 2022
Sprint-3	8	6 Days	07 Nov 2022	12 Nov 2022	8	12 Nov 2022
Sprint-4	8	6 Days	14 Nov 2022	19 Nov 2022	8	19 Nov 2022

Velocity:

Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{\text{story points}}{\text{duration}} = \frac{8}{6} = 1.3$$

Project Planning Tool - Jira: (2 Marks)

