Project Planning Phase

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

Date	25 October 2022
Team ID	PNT2022TMID00416
Project Name	Project - **Hazardous Area Monitoring for Industrial Plant powered by IoT**
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	Registration (Industrial owner)	USN-1	As an Industrial Owner, I can register into the application by entering email & password	5	High	Aparna K
Sprint-1	Registration (Industrial worker)	USN-2	As an Industrial worker, I can register into the application by entering email & password	2	High	Aparna K
Sprint-1	Data Modules (Industrial owner)	USN-3	As an Industrial Owner, I can get I can receive message about the temperature & humidity	5	High	Haritha G
Sprint-1	Data Modules (Industrial worker)	USN-4	As an Industrial worker, I can get I can receive message about the temperature & humidity	2	High	Haritha G
Sprint-2	Login (Industrial owner)	USN-5	As an industrial Owner, I can login into my account through email and Password	3	Medium	Devadharshini C
Sprint-2	Login (Industrial worker)	USN-6	As an industrial worker, I can login into my account through email and Password	1	Medium	Febrisheya S
Sprint-1	Dashboard (Industrial owner)	USN-7	As an Industrial Owner, I can monitor of temperature	8	High	Devadharshini C
Sprint-1	Dashboard (Industrial worker)	USN-8	As an Industrial worker, I can monitor of temperature	3	High	Febrisheya 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	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	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)

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