

Project Planning Phase

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

Date	17 November 2022
Team ID	PNT2022TMID12767
Project Name	Industry - Specific Intelligent Fire Management System
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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Sindhuja B
Sprint-2	Registration	USN-2	As a user, I will receive confirmation email once I have registered for the application	3	Medium	Ahalya Preethi R
Sprint-3	Registration	USN-3	As a user, I can register for the application through gmail	1	Low	Snega Roopa M
Sprint-2	Registration	USN-4	As a user, I can register for the application through Gmail	1	High	Gowri Shangari E

Sprint-4	Login	USN-5	As a user, I can log into the application by entering email & password	5	High	Snega Roopa M
Sprint-1	Dashboard	USN-6	As a user, I can get the notification alert.	1	Medium	Vijayalakshmi K
Sprint-3	Testing & Deployment Phase-I	USN-7	Testing the system performance. For an emergency case, it is deployed.	8	High	Sindhuja B
Sprint-3	Testing & Deployment Phase-I	USN-8	Checking whether the system correctly detects the fire and gas. Also, it will give the alert to the user.	2	High	Ahalya Preethi R
Sprint-1	Deployment Phase-II & Model Improvement	USN-9	Deployment of IOT based industrial specific fire management system, I can see and use the system 24*7.	1	Low	Gowri Shangari E
Sprint-2	Verification	USN-10	Administrator can completely verify the system.	5	High	Vijayalakshmi K
Sprint-3	Approval	USN-11	After verifying, the approval will be given.	2	High	Sindhuja B

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	12 Nov 2022	17 Nov 2022	20	18 Nov 2022
Sprint-2	20	6 Days	12 Nov 2022	17 Nov 2022	20	18 Nov 2022
Sprint-3	20	6 Days	12 Nov 2022	17 Nov 2022	20	18 Nov 2022
Sprint-4	20	6 Days	12 Nov 2022	17 Nov 2022	20	18 Nov 2022

Velocity:

The team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{\textit{sprint duration}}{\textit{velocity}} = 20/6 = 3.34$$