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

Date	26 October 2022
Team ID	PNT2022TMID19555
Project Name	Project – 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	Registration(Mobile user)	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	5	High	Poovarasan S
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	5	Medium	Mohammed Ali A
Sprint-2	Login(Mobile User)	USN-3	As a user, I can log into the application entering email & password	5	Low	Prabhu S
Sprint-2		USN-4	Connect the sensor device to Mobile application to monitor the gas leakage	2	High	NithishKumar S
Sprint-2	Dashboard(Mobile User)	USN-5	As a user, I can login into my account and I can add the members to send alert message	5	High	Poovarasan S
Sprint-3	Registration(Web User)	USN-6	As a user, I can register for to creating account by entering my email, password, and confirming my password.	5	High	Mohammed Ali A

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3		USN-7	As a user, I will receive confirmation email once I have registered for the web user.	5	High	NithishKumar S
Sprint-3	Login(Web User)	USN-8	As a user, I can log into the website entering email & password	5	Medium	Prabhu S
Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	DashBoard(Web user)	USN-9	As a user, I can login into my account and I can add the members to send alert message	5	High	NithishKumar S
Sprint-4		USN-10	Connect the sensor to the web application to monitor the leakage	2	High	Prabhu S
Sprint-4		USN-11	Set the condition to sensor if condition fails it gives the sound alarm to the whole block.	3	High	Poovarasan S
Sprint-4		USN-12	As a administrator, the people can get the update of gas leakage by 24/7 hrs.	5	High	Mohammed Ali A

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	10	6 Days	24 Oct 2022	29 Oct 2022	10	29 Oct 2022
Sprint-2	12	6 Days	31 Oct 2022	05 Nov 2022	12	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	10	6 Days	14 Nov 2022	19 Nov 2022	10	19 Nov 2022

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

   Imagine we have a 6-day sprint duration, and the velocity of the team is 13(approx) (points per sprint).Let's calculate the team's average velocity(AV) per iteration unit(story points per day)

$$AV = \text{Sprint duration/Velocity} = 13/6 = 2.2$$