Project Planning Phase
Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	29 October 2022
Team ID	PNT2022TMID16813
Project Name	Gas Monitoring Leakage and Alerting System
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	Model Creation and Training (Hazardous gas)		Create a model which can identify leakage of hazardous gas in the given image. I also need to test the model and deploy it on IBM Cloud	8	High	Shanmugapriya
	Model Creation and Training (humidity)		Create a model which can identify the amount of water in the gas	2	High	Shanmugapriya
Sprint-2	Model Creation and Training (Hazardous gas)		Create a model which can identify Leakage of hazardous gas in the given image and train on IBM Cloud	6	High	Thamaraiselvi
	Registration	USN-1	As a user, I can register by entering my email, password, and confirming my password or via O Auth API	3	Medium	Thamaraiselvi

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
	Upload page	USN-2	As a user, I will be redirected to a page where I can upload my pictures of my gas monitoring leakage	4	High	Thamaraiselvi
	Suggestion results	USN-3	As a user, I can view the results and then obtain the suggestions provided by the ML model	4	High	Thamaraiselvi
	IBM Watson IoT Platform		A base IBM Watson iot Platform must be created as an interface for the ML model	2	High	Thamaraiselvi
Sprint-3	Login	USN-4	As a user, I can log into the application by entering email & password	2	High	Subhalakshmi
	User Dashboard	USN-5	As a user, I can view the previous results and history of my monitoring system	3	Medium	Subhalakshmi
	Service		Node-RED service	5	Medium	Subhalakshmi
	Development		Develop the Python Script	2	Low	Subhalakshmi
Sprint-4	Dashboard (Admin)	USN-6	As an admin, I can view other user details and uploads for other purposes	2		Sri Karishma
	Dashboard	USN-7	As a user, I can enter hazardous gas products and then update the details if any	2	Low	Sri Karishma
	Development		Develop the Web application using Node-RED	2	Low	Sri Karishma

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	10	6 Days	24 Oct 2022	29 Oct 2022	10	29 Oct 2022
Sprint-2	15	6 Days	31 Oct 2022	05 Nov 2022	15	06 Nov 2022
Sprint-3	15	6 Days	07 Nov 2022	12 Nov 2022	15	13 Nov 2022
Sprint-4	12	6 Days	14 Nov 2022	19 Nov 2022	12	20 Nov 2022

NOTE: Burndown charts, Velocity to be updated dynamically after end of sprints Roadmap