Project Planning Phase

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

Date	30 October 2022
Team ID	PNT2022TMID39307
Project Name	Project – Gas leakage monitoring and alerting system for industries
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	Task	Story Points	Priority	Team Members
Sprint-1	Create the IBM Watson IoT Platform and A Device	USN- 1	In order to connect the IoT device to the IBM cloud, create a device in the IBM Watson IoT platform and get the device credentials.	20	High	NITHISH KUMAR P
Sprint-2	Create Node-RED Service	USN- 2	To create a web application create a Node-RED service.	10	Medium	SURYA A
Sprint-2	Develop the Python Code	USN- 3	Develop a python script to send the random sensor data of Hazardous gas levels, temperature, humidity, pressure, etc.	10	Medium	SUBASHINI P
Sprint-3	Publish Data to The IBM Cloud	USN- 4	Python code is used to send random sensor data to the cloud and also to receive commands from the cloud. Below is the reference link provided for the python program to publish and subscribe from the IBM Watson IoT Platform.	10	High	NITHISH KUMAR P
Sprint-3	Develop the Web Application Using Node-RED	USN- 5	Configure the Node-RED flow to receive data from the IBM IoT platform. And also use Cloudant DB nodes to store the received sensor data in the cloudant DB	10	Medium	VISHAL GANDHI G
Sprint-4	Use Dashboard Nodes for Creating UI (Web App)	USN- 6	As a user, I need to access the website very quickly without registration / Create IBM Watson IOT Platform	10	Medium	SATHYA R