Project Design Phase-II
Technology Architecture

Team ID	PNT2022TMID49734
Project Name	Gas Leakage Monitoring & Alerting System
Maximum Marks	4 Marks

Technical Architecture:

Table-1: Components & Technologies:

Sl. No	Component	Description	Technology
1.	User Interface	Mobile App	MIT App Inventor
2.	Application Logic-1	Send the value of CH4 gas. If there is gas leakage, alert is sent to respective authorities through alert message.	Python
3.	Application Logic-2	Buzzer will be on in the working place if there is leakage. The working people can evacuate immediately after hearing the buzzer sound.	IBM Watson IoT service
4.	Application Logic-3	Motion detecting sensor is used. If there is nobody in the leakage area, the doors closes automatically in order to avoid further spread of harmful gases.	IBM Watson Assistant
5.	Cloud Database	Database Service on Cloud	IBM Cloudant
6.	External API-1	Purpose of External API used in the application	IBM Weather API
7.	Infrastructure (Server / Cloud)	Application Deployment on Cloud Server Configuration:	Cloud Foundry