

Project Design Phase-I
Solution Architecture

Date	19 September 2022
Team ID	PNT2022TMID14029
Project Name	Gas Leakage Monitoring and Alerting System
Maximum Marks	4 Marks

Solution Architecture:

- Gas sensor is used to find if there is any gas leakage in the surrounding and if any toxic gas found in the surrounding then it intimates the IOT device such as node mcu or raspberry pi
- The IOT device is connected to wifi ,server,alarm and led once the gas sensor intimates the IOT device the it triggers the alarm and led and send the data to the server
- The server collects the data and stores the data in a database and the web page gets the data from the database and updates
- IFTTT is used to collect the data from the database and alert the main person using sms and the email system

Example - Solution Architecture Diagram:

Figure 1: Architecture and data flow of the voice patient diary sample application



