

# **GAS LEAKAGE DETECTION AND** **MONITORING SYSTEM:**

## **ABSTRACT:**

This gas detection project main idea is to implement security system for detecting leakage of gas in closed environment. In this project gas leakage is identified by using sensors which works only in closed environment. In present situation there are many cases related to gas leakage which cause innocent people lives and property damage. Implementing this application can be useful for companies, houses, which can save lives of people. This project helps the industries in monitoring the emission of harmful gases. In several areas, the gas sensors will be integrated to monitor the gas leakage. If in any area gas leakage is detected the admins will be notified along with the location. The gas sensor monitored gas level and details send to IBM cloud. The location and gas level send to the web application. In the web application, admins can view the sensor parameters.

## **TECHNICAL STACK**

- Python.
- IOT application development.
- Embedded programming.
- IBM cloud.
- IBM Watson.