

HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)

Date	18 th October 2022
Team ID	PNT2022TMID10014
Project Name	IOT Gas Leakage Monitoring and Alerting System.
Maximum Marks	4 Marks

SOLUTION ARCHITECTURE:

- This project helps the industries in monitoring the emission of harmful gases.
- The system can be taken as a small attempt in connecting the existing primary gas detection methods to a mobile platform integrated with IoT platforms.
- 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.
- In the web application, admins can view the sensor parameters.
- The traditional Gas Leakage Detector Systems though have great precision, fail to acknowledge a few factors in the field of alerting the people about the leakage.

- Therefore we have used the IoT technology to make a Gas Leakage Detector having Smart Alerting techniques involving calling, sending text message and an e-mail to the concerned authority and an ability to predict hazardous situation so that people could be made aware in advance by performing data analytics on sensor readings.
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