**HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY**

**(AUTONOMOUS)**

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| Date | 18th October 2022 |
| Team ID | PNT2022TMID34140 |
| 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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