ANALYSIS, INTERPRETATION AND MODELING

Team ID	PNT2022TMID43411
Team Members	JOTHI KRISHNA T – 715519106018 KARTHIKEYAN A - 715519106020 NITHIYANANTH S - 715519106031 VIPIN L - 715519106059
Project Title	Gas Leakage Monitoring And Alerting System For Industries

1.ANALYSIS:

- Gas leakage detection systems protect personnel and the environment from potentially hazards exposure to gases
- Fire hazard prevention
- The gasses are toxic in nature, resulting in human unconsciousness and even death if consumed in large quantities.
- Moreover, gaseous blasts are another disaster that everyoneworking in a factory or at home –would want to avoid at all costs
- Harmful gas detection
- Oxygen level measurement

2.INTERPRETATION:

- The system comprises of sensors for detecting gas leak interfaced to microcontroller that will give an alert to user whenever there is a gas leakage, display warning information by using liquid.
- Gas leak detection system gas leak detection is the process of identifying potentially hazards gas leaks by sensors. These sensors usually employ an audible alarm to alert people when dangerous gas has been detected.
- An alarm management system represents the series of actions a system performs in an event of gas leakage.
- Prompt gas leak alerts

3.MODELLING:

The diagram gives the general idea of gas leakage monitoring and alerting system for industries using IoT platform and other services like cloud DB, node-red etc.