PROJECT OBJECTIVES

Date	02 OCTOBER 2022
Team ID	PNT2022TMID35909
Project Name	Gas Leakage Monitoring & Alerting System for Industries

EXISTING PROBLEMS:

Safety has always been an important criterion while designing homes, buildings, industries as well as cities. The increased concentration of certain gases in the atmosphere can prove to be extremely dangerous. These gases might be flammable at certain temperature and humidity conditions and toxic after exceeding the specified concentration limits.

Most of the fire-breakouts in industries are due to gas leaks. These cause dreadful damage to the equipment, human life leading to injuries, deaths, and environment. 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. So, there is a need to measure the level of gas and took immediate action over it

PROJECT OBJECTIVES:

- Fire accidents due to gas leakage is a serious issue since it frequently causes loss of life and bad injuries
- Currently available leakage detectors warn the people around using on-site alarms.
- We have designed a system that notifies the user using IOT (Internet of Things) through the mobile app about the amount of gas concentration, pressure, temperature so that appropriate measures can be taken.
- This system acts as a protection mechanism for workers and helps act quickly to the problem.

- Admins can have control over the safety of the industry right from his place which leads to better management.