**Problem Statement:**

### **Gas Leakage Monitoring and Alerting System**

* In this project, we are going to design a system which helps detecting gas leakage in early stage and help to avoid explosion.
* It helps to automate the detection process instead of human monitoring in an efficient way and to prevent gas leakage in Industries and any other places.
* This implementation can be used to detect leakage of gas from cylinders and also notify the user via the mobile app or via an SMS.
* If it detects a gas leak, then the system will send a notification message stating that there has been a gas leak. If no gas leak is detected, the system will continue to detect the gas level through the gas sensor until it detects a gas leak.
* It uses 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.
* The main objective of this project is that it is extremely accurate, this project system is best to detect gas leakage and also warn people around and an SMS is been send to the responsible person for preparatory safety calculations.