**GAS LEAKAGE MONITORING AND ALERT SYSTEM FOR INDUSTRIES**

**PROBLEM STATEMENT :**

Gas leakage prompts different mishaps coming about into both monetary misfortune as well as human wounds. In human's everyday existence, the environment gives the main effect on their medical problems. The risk of firing, explosion, suffocation all depend on their actual properties such combustibility, harmfulness and so on. The number of deaths because of the blast of gas cylinders has been expanding as of late. The justification behind such explosions is because sub standard cylinders, old valves, worn out regulators and absence of mindfulness utilizing gas cylinders add to the dangers. Inspections by oil organizations observed that numerous LPG buyers know nothing about security checks of gas cylinders. Liquid Petroleum Gas (LPG) is a highly flammable chemical that consists of mixture of propane and butane. LPG is used for cooking at home, restaurant, and certain use for industry. They have certain weaknesses that make the gas leakage occur. The leakage of gases only can be detected by human nearby and if there are no human nearby, it cannot be detected. But sometimes it cannot be detected by human that has a low sense of smell. Thus, this system will help to detect the presence of gas leakage.Furthermore, gas leakage can cause fire that will lead to serious injury or death and it also can destroy human properties. This system was developed by using IoT to give real-time response to the user and the nearest fire station.