**Gas Leakage Monitoring and Alerting System**

**PROBLEM STATEMENT**

There are much uses of fuels, gases, etc. in our day-to-day life such as in households, industries, etc. But it can cause vital issues if not used carefully. It was the only cause of many accidents in the past. Gas leakage leads to various accidents resulting into both financial loss as well as human injuries. In human’s daily life, environment gives the most significant impact to their health issues. The risk of firing, explosion, suffocation all are based on their physical properties such flammability, toxicity etc. Hence accidents occur when a spark occurs in a place where this leaked gas is present.

The focus of this work is to propose a device that can detect gas leakage and alert the owners to avert problems due to gas leakages. The purpose of this project is to detect a gas leak and prevent the accident and blocking of gas leaks in vulnerable areas. Hence a fore coming accident may get avoided.