

# PROBLEM STATEMENT

## GAS LEAKAGE MONITORING AND ALERTING SYSTEM

An chemical company ,in the outskirts of the city ,is frequently exposed gas leakage ,this affects the people in and around that place ,other organic life such as animals and plants and mainly the enviroment.

Who does the problem affect?	Elderly people,children ,home makers and industrial workers.
Where these problem occurs?	Home, flats and industries(where gases are used).
What is the issue?	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 who has a low sense of smell. And in many cases the large scale leakage might be detected in the later stages which turns out to be disastrous.
When does gas leakage occur ?	Devices such as water heater, dryer, stove, or fireplace,as these appliances age, the seals that connect the piping can corrode and eventually create a gas leak.
Why is the solution for the issue is important?	A gas detector can sound an alarm or send an notification to operators in the area where the leak is occurring. And there are many gases that can be harmful to organic life, such as humans or animals and thus they need to be evacuated from the place of leakage.