PROJECT DESIGN PHASE – 1
GAS LEAKAGE MONITORING AND ALERT SYSTEM FOR INDUSTRIES

PROPOSED SOLUTION :

The Internet of things (IoT) is the system of gadgets, vehicles, and home machines that contain hardware, programming, actuators, and network which enables these things to interface, collaborate and trade information. Installed with innovation, these gadgets can convey and connect over the Internet, and they can be remotely observed and controlled. The meaning of the Internet of things has advanced because of the union of numerous innovations, ongoing examination, AI, ware sensors, and implanted frameworks. Conventional fields of installed frameworks, remote sensor systems, control frameworks computerization (counting home and building mechanization), and others all add to empowering the Internet of things. A gas spill alludes to a hole of petroleum gas or different vaporous item from a pipeline or other regulation into any territory where the gas ought not be available. Since a little hole may steadily develop a hazardous convergence of gas, spills are perilous. Notwithstanding causing flame and blast dangers, holes can slaughter vegetation, including huge trees, and may discharge amazing ozone harming substances to the environment. We are using an MQ-6 semiconductor sensor to detect combustible gas. This gas sensor is made of SulphurNitroxide. This sensor has lower conductivity in fresh air. Then the output of this sensing element goes low. This low signal is monitored by the microcontroller and it will establish the gas outflow. Currently, the microcontroller turns on LED and Buzzer. Once a few milliseconds delay, it conjointly activates the fan for throwing gas out and continues to send messages as GAS LEAKAGE to your mobile number.