

Project Objective :

To design and develop a Gas leakage monitoring & alert system using Arduino. To display the leakage alarm on a display board and send an alarm notification on SMS to any predefined mobile number. To build a prototype that can detect the gas leakage and measure the humidity and temperature which will be uploaded on the cloud for cloud computation. To determine the level of gas leakage and alert the concerned person depending upon the gas leakage. To perform preventive operations and to predict the upcoming gas leakage based on previous data using Machine Learning Algorithm. To build a system that can detect the gas leakage. To detect the changes of temperature caused by fire. To send the information to the nearest fire station through Internet of Thing (IoT).