

# PROBLEM STATEMENT

One of the main reasons for industrial accidents is the leakage of unwanted gases and the depth of workers in industries. Leakage of any sort of gases will cause an immense problem in present times whether household, industry, restaurants, etc. a need for a monitor and fault detection is now more required than ever. The proposed system uses an MQ-6 sensor that detects the leakage of LPG, CH<sub>4</sub>, and CO gases. The main object of this project is to make a unique device for safely detecting the malfunction of an endangered factory to stop the release of combustible gases to prevent any explosion from taking place while also monitoring a lot of other factors for extra security