**Problem Statement:**

Gas leakage leads to various accidents resulting in both material loss and human injuries. The risk of explosion, firing, suffocation is based on their physical properties such toxicity, flammability, etc.

Most of LPG explosions are caused by undetected gas leakage in the pre-detection condition. So that, LPG detection system is needed.

The purpose of this system is to detect, alert the gas leakage and prevent the explosion by various methods.