

# LPG Gas Cylinder Monitoring and GAS Leakage Alert System

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**Abstract:** Home fires have been taking place frequently and the threat to human lives and properties is growing in recent years. Liquid petroleum gas (LPG) is highly inflammable and can burn even at some distance from the source of leakage. Most fire accidents are caused because of a poor-quality rubber tube or the regulator is not turned off when not in use. Therefore, developing the gas leakage alert system is very essential. Hence, this paper presents a gas leakage alert system to detect the gas leakage and to alarm the people onboard.

**Keywords:** Arduino, petroleum gas, Gas sensor, Leakage.

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