

Intelligent Life Saver System with Gas Leakage

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Abstract: Home fires have been occurring regularly, posing an increasing hazard to human lives and property in recent years. Due to its significant flammability, LPG can burn even some distance from the leak. Most fire incidents are brought on by a poor-quality rubber tube or when the regulator is left on. Even after the regulator is turned off, gas continues to flow from the regulator to the burner. Gas leaks happen if the knob is accidentally turned on. This article discusses the detection, monitoring, and control system for LPG leakage. A relay DC motor automatically controls the stove knob. The GSM (Global System for Mobile Communications) module in this system also warns the owner through SMS.

Keywords: CNG, LPG, MQ Gas sensor, Microcontroller;

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