LITERATURE SURVEY:

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| **S.NO** | **TITLE OF THE PAPER** | **AUTHOR NAMES** | **TECHNOLOGY USED** | **ALGORITHM** | **ADVANTAGES** | **DISADVANTAGES** |
| 1. | LPG GAS LEAKAGE DETECTION AND ALERT SYSTEM | E.JEBAMALAR LEAVLINE,  D.ASIR ANTONY GNANA SINGH, B.ABHINAYA,  H.DEEPIKA | ARDUINO  UNO | - | It is essential to prevent accidents and to save human lives. | It can detect LPG concentration in the range 200-10000ppm. |
| 2. | LPG Leakage Detector using ARDUINO with SMS Alert and Sound Alarm | RHONNEL S. PACULANAN,  ISREAL CARINO | ARDUINO  UNO | - | Improves the safety of all users of liquefied petroleum gas. | LPG hand wheel cannot be controlled. |
| 3. | MICRO CONTROLLER BASED LOW COST GAS LEAKAGE DETECTION SYSTEM WITH SMS ALERT | MR.ARIJIT BANIK,  MR.BODHAYAM AICH,  MR.SUMAN GOSH | ARDUINO  UNO | - | Low power consumption. | No prevention of fire is possible with this kit. |
| 4. | IMPLEMENTATION AND DESIGN GAS LEAKAGE DETECTION SYSTEM USING ATMega8 MICRO CONTROLLER | N.ERALINA,  A.AZIS H | ATMega8 MICRO CONTROLLER | - | MQ6 sensor detects the gas level which exceeds 2000ppm. | If the gas level is reduced to 2000ppm then the buzzer stops sounding. |