

GSM BASED GAS LEAKAGE DETECTION SYSTEM USING ARDUINO UNO

*A project report submitted in partial fulfillment of the requirements
For the award of the degree of*

BACHELOR OF TECHNOLOGY IN ELECTRICAL & ELECTRONICS ENGINEERING

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(Permanently Affiliated to Jawaharlal Nehru Technological University, Kakinada, AP)

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Tamaram, Narsipatnam, Visakhapatnam-531113

2017-2018

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CERTIFICATE

This is to certify that the project report entitled "GSM BASED GAS LEAKAGE DETECTION SYSTEM USING ARDUINO UNO" is a bonafide work submitted by C SWAROOPA, M PAVANI, M PRIYANKA, S PRABHAVATHI, S S BEGUM in partial fulfillment of the requirements for the award of degree of

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL & ELECTRONICS ENGINEERING

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA

During the academic year

2017-2018

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ABSTRACT

The presence of hazardous LPG gas leakage in a domestic, work place, also, stored gases container gas which exhibits ideal characteristic is use. For that sake, an alarm unit is used to vibrate an alarm which is buzzer. Buzzer gives an audible sign of the presence of LPG volume. The sensors are widely used to detect essence of propane, iso-butane, LPG and even smoke. The sensor has an advantage to combine a sensitivity response time. If the LPG sensor senses gas leak from work place or home, sensor output goes to active low (logic-0) condition. Arduino UNO is used in the project; low signals are overlooked by the Arduino and gas leakage is been noticed by the Arduino. The Arduino UNO turns on the LCD and buzzer. It even turns on the GSM modem after that, it continues to send messages SMS to mobile number specifically mentioned in the program of the source code for alerting danger to the people.