

# DESIGN AND CONSTRUCTION OF A GAS LEAKAGE MONITORING SYSTEM VIA GSM AND INTERNET



A Project  
By

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## DECLARATION

This is hereby declaring that is project work has been performed by us under the supervision of Niloy Sarkar Lecturer (SU) and this thesis or any part of it has not been submitted elsewhere for any award of any degree or diploma.

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## **ABSTRACT**

We are going to build a very workable effective project – a IoT based Gas Leakage Alarm System which will send SMS to a set of Mobile Numbers when fire occurs in a particular location. This Gas Leakage alarm project makes use of modern communication technologies. The primary objective of the project is to detect the gas leakage of LPG cylinders, which are commonly used in Bangladesh homes, and alarm the user and the surrounding neighborhood using IoT. The supply gas will also be stopped with the use of solenoid, ultimately preventing the chance of accident. Open source IoT software called “Blynk apps” is used for this project. The software has feature to connect with Node MCU and can also connect the user’s mobile to send notification. The people in the neighborhood can also be included in case of an emergency. MQ2 LPG gas sensor is used for input. A 5V buzzer is connected along with the circuit to indicate the user offline.