

A Major Project Report On
**FLAMMABLE GAS AND FIRE ACCIDENT PREVENTION SYSTEM
WITH SMS ALERTS**

Submitted to
Jawaharlal Nehru Technological University, Hyderabad

In partial fulfillment of the requirement for
The award of degree of
BACHELOR OF TECHNOLOGY

In
ELECTRONICS & COMMUNICATION ENGINEERING
By

BHUPATHI HARIKA 196Y1A0418

KUSUMA PREETHIKA 196Y1A0459

ELAPANTI SNAHIKA 196Y1A0433

KOMMIDI SRESHTA 196Y1A0455

Under the esteemed supervision of

Ms. Y. SHARVANI
Assistant Professor



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
SUMATHI REDDY INSTITUTE OF TECHNOLOGY FOR WOMEN
(Approved by AICTE, New Delhi; Accredited by NBA; Affiliated to JNTU, Hyderabad)
Ananthasagar (Vill), Hasanparthy (M), Warangal-506371



2022-2023

Rajan

PRINCIPAL

Sumathi Reddy Institute of Technology for Women
Ananthasagar (V), Hasanparthy (M)
WARANGAL - 506 371 (T.S.)



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the major project entitled “**FLAMMABLE GAS AND FIRE ACCIDENT PREVENTION SYSTEM WITH SMS ALERTS**” submitted to JNTUH is carried out by the following students of **IV B.Tech** in the partial fulfillment of requirement for the award of degree of Bachelor of Technology in **Electronics and Communication Engineering** during academic year **2022-2023**.

BHUPATHI HARIKA

196Y1A0418

KUSUMA PREEHIKA


196Y1A0459


ELAPANTI SNAHIKA

196Y1A0433

KOMMIDI SRESHTA

196Y1A0455


Ms. Y. Sharvani
Assistant Professor
Supervisor


Dr. K. Mahender
Associate Professor
Head of Dept., ECE




PRINCIPAL
Sumathi Reddy Institute of Technology for Women;
Ananthasagar (A), Hachampthy (M),
WARANGAL (S.)

ABSTRACT

The demand of flammable gases is increasing day by day, but with this increasing demand the chances of gas blasts are increasing day by day. Due to this type of blast heavy damages are occurring to life and property. Continuous manual monitoring is very difficult to do. Detecting fire and gas before spreading can avoid big losses for life and property. So here we propose an automated detection and alerting system that alert users about the leakage of combustible gas and/or fire using SMS through GSM modem. The flammable gas and fire accident prevention system with SMS Alerts project is used to warn the intimation about flammable gas leakage or fire combustion in any industrial or domestic area through consumer mobile phone. A flammable gas and fire accident prevention system with SMS alerts is an effective solution for enhancing safety measures in environments where the risk of gas leaks and fire hazards is present. By detecting gas leaks, triggering alarms, and sending real-time notifications, these systems help to prevent fire accidents and ensure the safety of both people and property.



Rijan

Principal

Sumathi Reddy Institute of Technology for Women
Ananthasagar (V), Hasanparthy (M)
WARANGAL - 506 371 (TS)