**Title of the Project** : Security control system for Fire and Smoke detection

**Group Members**: 1) Ashutosh Tiwari (Roll No. 40)

2) Siddhant Singh (Roll No. 36)

3) Rahul Sajekar (Roll No. 33)

**Abstract :**

A smoke detector or smoke alarm is a device that detects smoke and issues a alarm to alert nearby people that there is a potential fire. They can detect fire in their early stages and give us those precious minutes to enable us and our family to leave our house in safety. Wireless communication enables transfer of data or signals over part of the entire communication network. Wireless implementation of sensor network ensures safety in terms of saving lives and property.

This is the design and implementation of a Flame And Smoke Detector. This system was design to automatically detect flame or smoke and triggers the buzzer and send the respective information to the nearest Fire Department wirelessly. The design makes use of a Arduino board to control the outputs when it receivers input from the flame and smoke sensor.

**Hardware Requirements :**

1. Arduino Uno.

2. Smoke sensor(MQ2)

3. Flame sensor.

4. Buzzer