**GAS AND SMOKE DETECTION TO**

**PREVENT FIRE ACCIDENTS WITH GSM ALERT SYSTEMPRIYA SAI MANOHAR**

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**ABSTRACT**

Main outlook of the project is to demonstrate the gas and smoke leak detection technique of an Arduino based system.

Nowadays, securing one's property and business against fire is becoming more and more important.

Monitoring commercial and residential areas all-round is an effective method to reduce personal and property losses due to fire disaster.

Home fire detection is a matter of great concern, and thus many efforts are devoted in most developed countries to the design of automatic detection systems, A alarm system should reliably and in a

timely way notify building occupants about the presence of fire indicators, such as smoke or high

temperatures. A fire detector is usually implemented as a smoke sensor due to its early fire detection capability, fast response time and relatively low cost. Other options for the fire detection are based on gas sensors

**INDIVIDUAL CONTRIBUTION AND FINDINGS**

I have searched lot of research papers regarding the detection systems .

We designed the software implementation of gas and smoke detection and alerting user by this we can detect and the alert the user by indicating sms by GSM module and sound from buzzer in proteous

**INDIVIDUAL CONTRIBUTION TO PROJECT REPORT PREPARATION:**

The presentation consist of all the required information about our project.Each of the chapter is combined contribution of my group.I have taken help from various sites and refered many videos helped me successfully complete the project.

**INDIVIDUAL CONTRIBUTION TO PROJECT PRESENTATION AND DEMONSTRATION:**

I have done the of the presentation and code for the project

**DIGITAL SIGNATURE**   **DIGITAL SIGNATURE**

Full signature of supervisor’s Full signature of student

