**ABSTRACT**

**GSM BASED ADVANCE HOME SECURITY SYSTEM**

Security is primary concern everywhere. This Project describes a design of effective security alarm system that can monitor the home or secure areas with different sensors. In this project we are using magnetic sensors to monitor for any intrusion in homes or secured areas. The magnetic sensors are arranged on the opposite sides of the door. The sensor gives digital logic to the microcontroller. Whenever the door gets interrupted because of the intruder, the system sends alert SMS to user mobile. The mobile number of the user is already stored in the microcontroller chip. The microcontroller is interfaced with the GSM modem through MAX232 interface. The buzzer is interfaced with microcontroller to give alert sound.

**BLOCK DIAGRAM**

GSM MODEM

MAX 232 INTERFACE

**AT 89S52**

**MICROCONTROLLER**

**MAGNETIC SENSOR**

BUZZER

Transistor Driver