Smoke Sensor

```
#include <SoftwareSerial.h>
// GSM variables
int i;
SoftwareSerial mySerial(9, 10);
// Buzzer and smoke sensor variables
int buzzer = 11 ;
int smokeA0 = A5;
int sensorThres = 500;
void setup() {
 // GSM setup
 mySerial.begin(9600);
 Serial.begin(9600);
 delay(100);

 pinMode(buzzer, OUTPUT);
 pinMode(smokeA0, INPUT);
}
void loop() {
 // Smoke sensor and buzzer functionalities
 int analogSensor = analogRead(smokeA0);
Serial.print("Pin A0: ");
 Serial.println(analogSensor);
if (analogSensor > sensorThres) {
 tone(buzzer, 1000);


 if (i == 0) {
 Serial.println("Calling through GSM Module");
 delay(1000);
 mySerial.println("ATD9608041304;");
 Serial.println("Calling 9608041304");
```

```
        delay(1000);

        i++;

        }

        i = 0;

        } else {

        noTone(buzzer);

        }

        if (mySerial.available() > 0) {

        Serial.write(mySerial.read());

        }

        delay(100);

        }
```