```
#include<SoftwareSerial.h>                //program for tilt,temprature,gsm,buzzer
SoftwareSerial mySerial(9,10);      //pins for GSM module

float temp ;

const int xPin = A5;
const int yPin = A4;
const int zPin = A3;
int a;
int b;


void setup()
{
mySerial.begin(9600);
Serial.begin(9600);

pinMode(A5,INPUT);//A3,A4,A5 for accelerometer as tilt sensor
pinMode(A4,INPUT);
pinMode(A3,INPUT);

pinMode(7,OUTPUT); //Buzzer pin
pinMode(8,OUTPUT); //waterpump relay pin
pinMode(9,INPUT); //sound sensor pin
a=0;


}

void loop()
{
   a=0;
  int c = digitalRead(9);

  int X = analogRead(xPin);
  int Y = analogRead(yPin);
  int Z = analogRead(zPin);
Serial.print(int(X));
Serial.print("    ");
Serial.print(int(Y));
Serial.print("    ");
Serial.print(int(Z));
Serial.println();
delay(1000);

temp = analogRead(A0);
temp = temp * 0.48828125;
Serial.print("TEMPERATURE: ");
Serial.print(temp);
Serial.print("*C");
Serial.println();
delay(1000);



if(c==0)
{
Serial.print("No poaching sound is detected");
```

```
}
                        else
                            {
                                a=1;                                    //buzer is get ON
                                Serial.print("sound sensor is detected");
                                Serial.print(" Buzzer ON ");
                                mySerial.println("AT+CMGF=1");    //massage start sending
                                delay(1000);
                                mySerial.println("AT+CMGS=\"+919307089049\"\r");
                                delay(1000);
                                mySerial.println("poaching activity is detected,tree cutting is
going on");
                                delay(100);
                                mySerial.println((char)26);
                                delay(1000);
                             }


if(((315<X)&&(X<360))&&((310<Y)&&(Y<340))&&((270<Z)&&(Z<290)))
{

Serial.print("Straight possition");
}
                         else
                            {
                                a=1;                                    //buzer is get ON
                                Serial.print("tree is tilt");
                                Serial.print(" Buzzer ON ");
                                mySerial.println("AT+CMGF=1");    //massage start sending
                                delay(1000);
                                mySerial.println("AT+CMGS=\"+919307089049\"\r");
                                delay(1000);
                                mySerial.println("poaching activity is detected tree is tilted
above its critical angle");
                                delay(100);
                                mySerial.println((char)26);
                                delay(1000);

                                }

  if(temp >= 60)
    {
                                a=1 ;                                   //buzer is get ON
                                Serial.print("    ""temprature warning");
                                Serial.print(" Buzzer ON ");
                                digitalWrite(8,HIGH);                   //water pump is ON
                                Serial.print("    ""water pump is on");
                                mySerial.println("AT+CMGF=1"); //massage start sending
                                delay(1000);
                                mySerial.println("AT+CMGS=\"+919307089049\"\r");
                                delay(1000);
                                mySerial.println("poaching    activity    is    detected    farm
temprature is too high");
                                delay(100);
                                mySerial.println((char)26);
                                delay(1000);
}
                        else
                                {
```

```
                                    Serial.print("temprature normal");

                                     }

if(a==1)
{
   digitalWrite(7,HIGH);
   }
                        else
                                {
                                    digitalWrite(7,LOW);

                                     }
}
```