#include <SoftwareSerial.h>

#include <CapacitiveSensor.h>

SoftwareSerial mySerial(9,10);

CapacitiveSensor cs\_7\_8= CapacitiveSensor(7,8); // 10M resistor between pins 4 & 2, pin 2 is sensor pin, add a wire and or foil if desired

const int buzzerPin = 5;

void setup()

{

mySerial.begin(9600); // Setting the baud rate of GSM Module

Serial.begin(9600); // Setting the baud rate of Serial Monitor (Arduino)

delay(100);

// CPACITOR PROGRAM

cs\_7\_8.set\_CS\_AutocaL\_Millis(0xFFFFFFFF); // turn off autocalibrate on channel 1 - just as an example

Serial.begin(9600);

pinMode(buzzerPin,OUTPUT);

pinMode(13,OUTPUT);

}

void loop()

{

long start = millis();

long total1 = cs\_7\_8.capacitiveSensor(30);

Serial.print(millis() - start); // check on performance in milliseconds

Serial.print("\t"); // tab character for debug windown spacing

Serial.print(total1); // print sensor output 1

Serial.print("\n"); // tab character for debug windown spacing

delay(100);

if(total1>350)

{

mySerial.println("AT+CMGF=1"); //Sets the GSM Module in Text Mode

delay(1000); // Delay of 1000 milli seconds or 1 second

while(mySerial.available()>0)

Serial.write(mySerial.read());

mySerial.println("AT+CMGS=\"+919160202926\"\r"); // Replace x with mobile number

delay(1000);

mySerial.println("someone is misshandling your bike");// The SMS text you want to send

mySerial.println((char)26);// ASCII code of CTRL+Z

delay(1000);

while(mySerial.available()>0)

Serial.write(mySerial.read());

digitalWrite(13,HIGH);

delay(5000);

}

else

{

digitalWrite(13,LOW);

}

}