#include <SoftwareSerial.h>

#include <TinyGPS++.h>

static const uint32\_t GPSBaud = 9600;

static const int RXPin = 2, TXPin = 3;

SoftwareSerial mySerial(4,5);

SoftwareSerial ss(RXPin, TXPin);

TinyGPSPlus gps;

void SendMessage(String a);

void RecieveMessage();

void setup()

{

ss.begin(GPSBaud);

mySerial.begin(9600);

Serial.begin(9600);

pinMode(A0,INPUT\_PULLUP);

}

void loop()

{

if(digitalRead(A0)==LOW)

{

Serial.println("DETECTED");

while (ss.available() > 0)

if (gps.encode(ss.read()))

displayInfo();

if (millis() > 5000 && gps.charsProcessed() < 10)

{

SendMessage("https://www.google.com/maps/search/?api=1&query=13.009154906627868,80.00328826512784");

//while(true);

}

}

}

void displayInfo()

{

Serial.print(F("Location: "));

if (gps.location.isValid())

{

Serial.print("https://www.google.com/maps/search/?api=1&query="+String(gps.location.lat(), 6)+","+String(gps.location.lng(), 6));

Serial.print("\n");

SendMessage("https://www.google.com/maps/search/?api=1&query="+String(gps.location.lat(), 6)+","+String(gps.location.lng(), 6));

// Serial.print(gps.location.lat(), 6);

// Serial.print(F(","));

// Serial.print(gps.location.lng(), 6);

}

else

{

Serial.print(F("INVALID"));

}

}

void SendMessage(String a)

{

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

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

mySerial.println("AT+CMGS=\"+917695907171\"\r"); // Replace x with mobile number

delay(1000);

mySerial.println(a);// The SMS text you want to send

delay(100);

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

delay(1000);

}