CODE FOR GSM900A AND GPS INTERFACING

AND SENDING THE LOCATION TO THE MOBILE NUMBER

#include <SoftwareSerial.h>

#include <TinyGPS.h>

TinyGPS gps;

SoftwareSerial ss(5, 6);

static void smartdelay(unsigned long ms);

void setup()

{

Serial.begin(9600);

ss.begin(9600);

}

void loop()

{

float flat, flon;

unsigned long age, date, time, chars = 0;

unsigned short sentences = 0, failed = 0;

gps.f\_get\_position(&flat, &flon, &age);

sendLatLang(flat, flon);

gps.stats(&chars, &sentences, &failed);

Serial.println();

smartdelay(1000);

}

static void smartdelay(unsigned long ms)

{

unsigned long start = millis();

do

{

while (ss.available())

gps.encode(ss.read());

} while (millis() - start < ms);

}

static void sendLatLang(float lat, float lang)

{

if (lat == TinyGPS::GPS\_INVALID\_F\_ANGLE || lang == TinyGPS::GPS\_INVALID\_F\_ANGLE) {

Serial.println("Searching for GPS fix...");

} else {

Serial.println("AT+CMGF=1");

delay(1000);

Serial.println("AT+CMGS=\"+919900182744\"");

delay(1000);

Serial.print("Latittude : ");

Serial.println(lat);

Serial.print("Longitude : ");

Serial.println(lang);

Serial.write(26);

delay(1000);

}

}