#define CUSTOM\_SETTINGS

#define INCLUDE\_GPS\_SHIELD

#define INCLUDE\_SMS\_SHIELD

/\* Include 1Sheeld library.\*/

#include <OneSheeld.h>

/\* Define a boolean flag. \*/

boolean isInRange = false;

void setup()

{

  /\* Start communication.\*/

  OneSheeld.begin();

}

void loop()

{

   /\* Always check if the smartphone's GPS and a given longitude and latitude are in a range of 100 meters. \*/

  if(GPS.isInRange(30.0831008,31.3242943,100))

  {

    if(!isInRange)

    {

      /\* Send SMS. \*/

      SMS.send("+1234567890","Smartphone is In Range.");

      isInRange = true;

    }

  }

  else

  {

    if(isInRange)

    {

      /\* Send SMS. \*/

      SMS.send("1234567890","Smartphone is not In Range.");

      isInRange = false;

    }

  }

}

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