

PROJECT

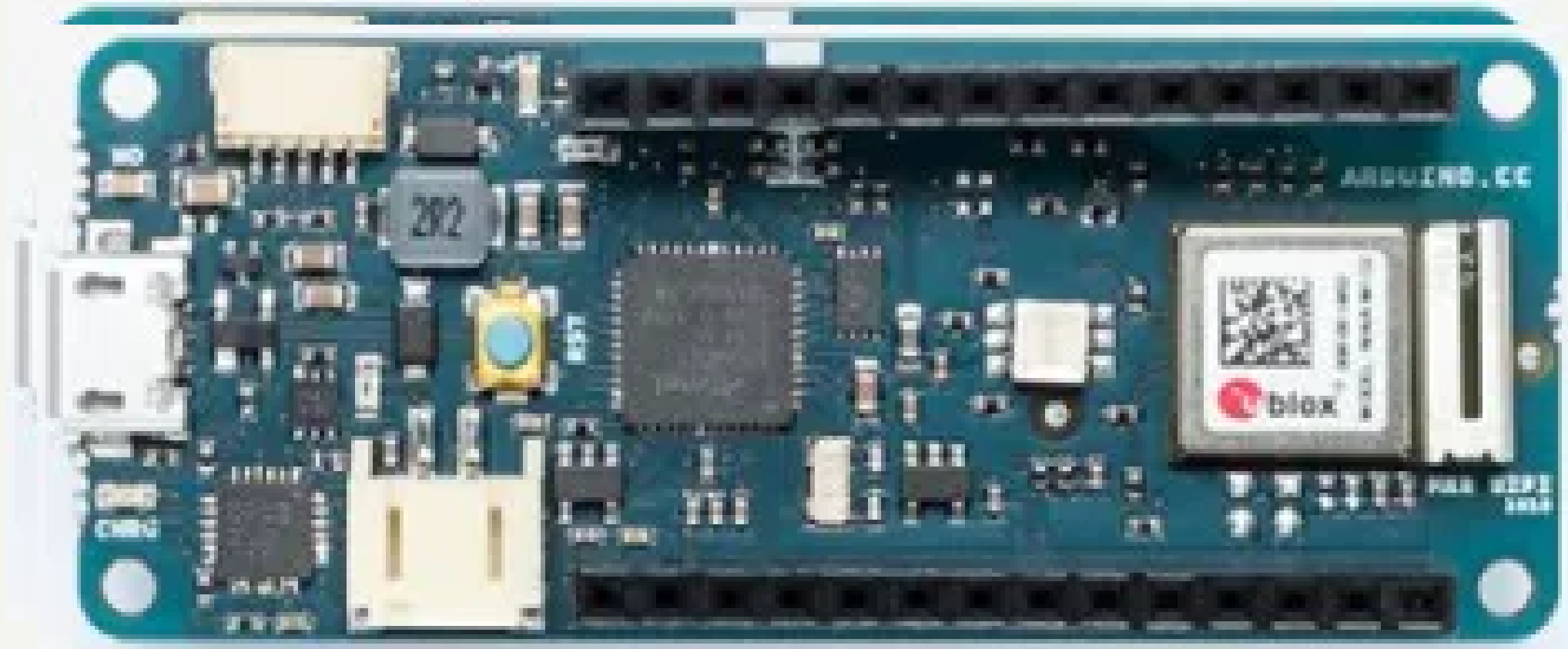
COVID-19 TRACKER



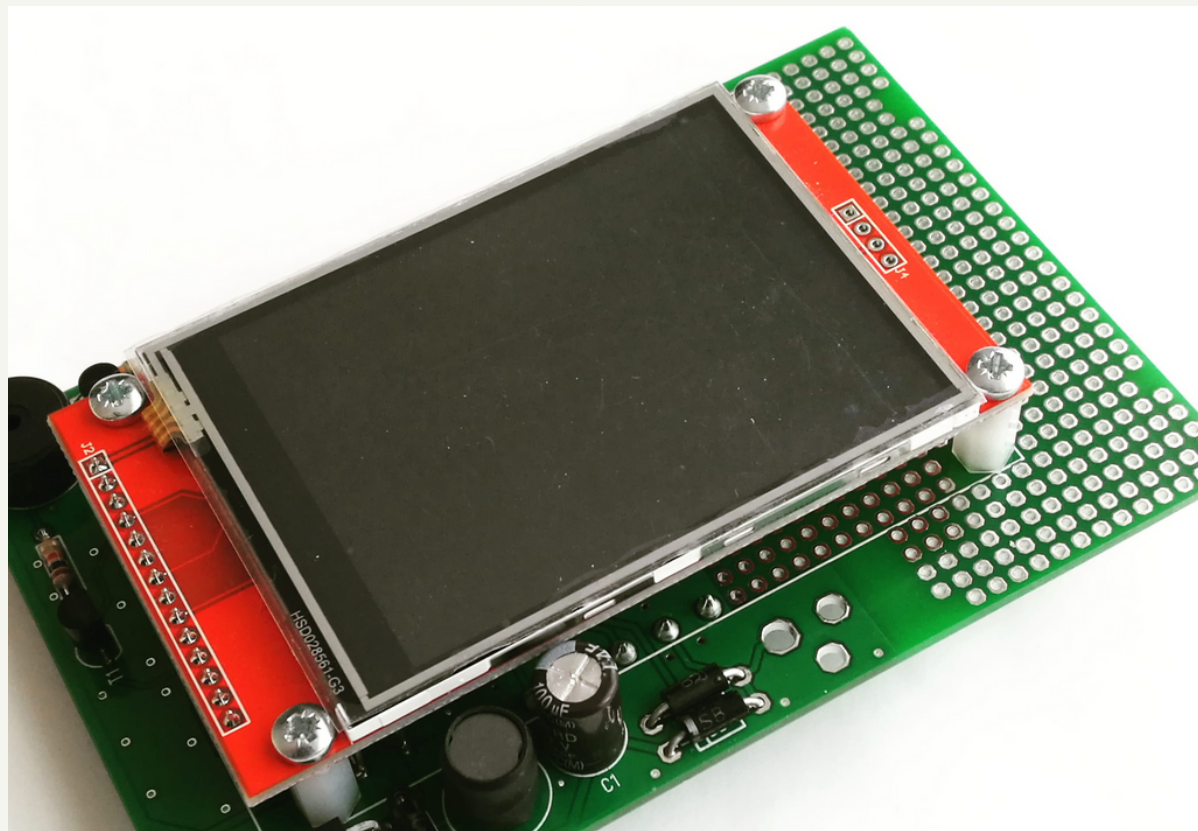
INTRODUCTION TO THE IDEA

As we see around the world there is a sudden hike in Covid-19 cases and it is really unpredictable to tell when the next wave is gonna hit. So we decide to build a tracker which can track Covid-19 cases around the world and has potential to track our surroundings and alert us in case of and sudden hike or wave.

Arduino MKR WiFi 1010



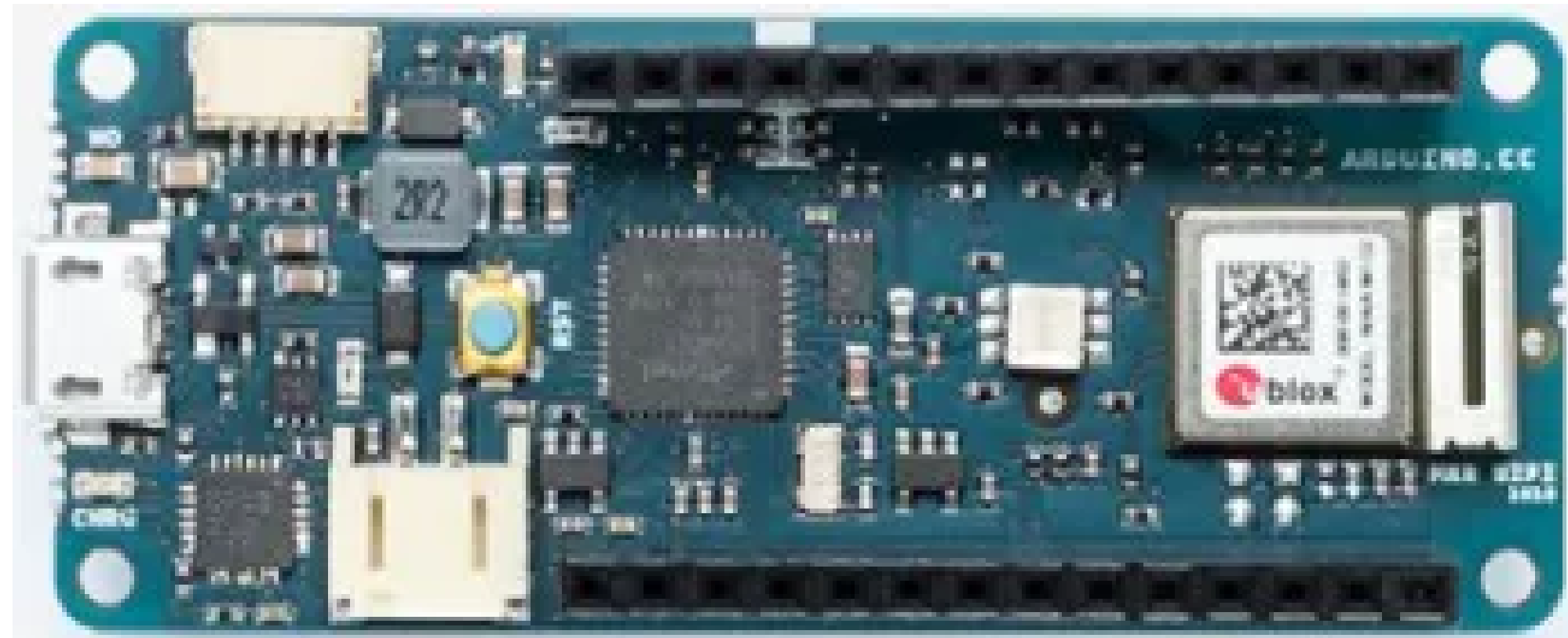
AZ-Touch



**ELEMENTS
USED IN
OUR
PROJECT.**

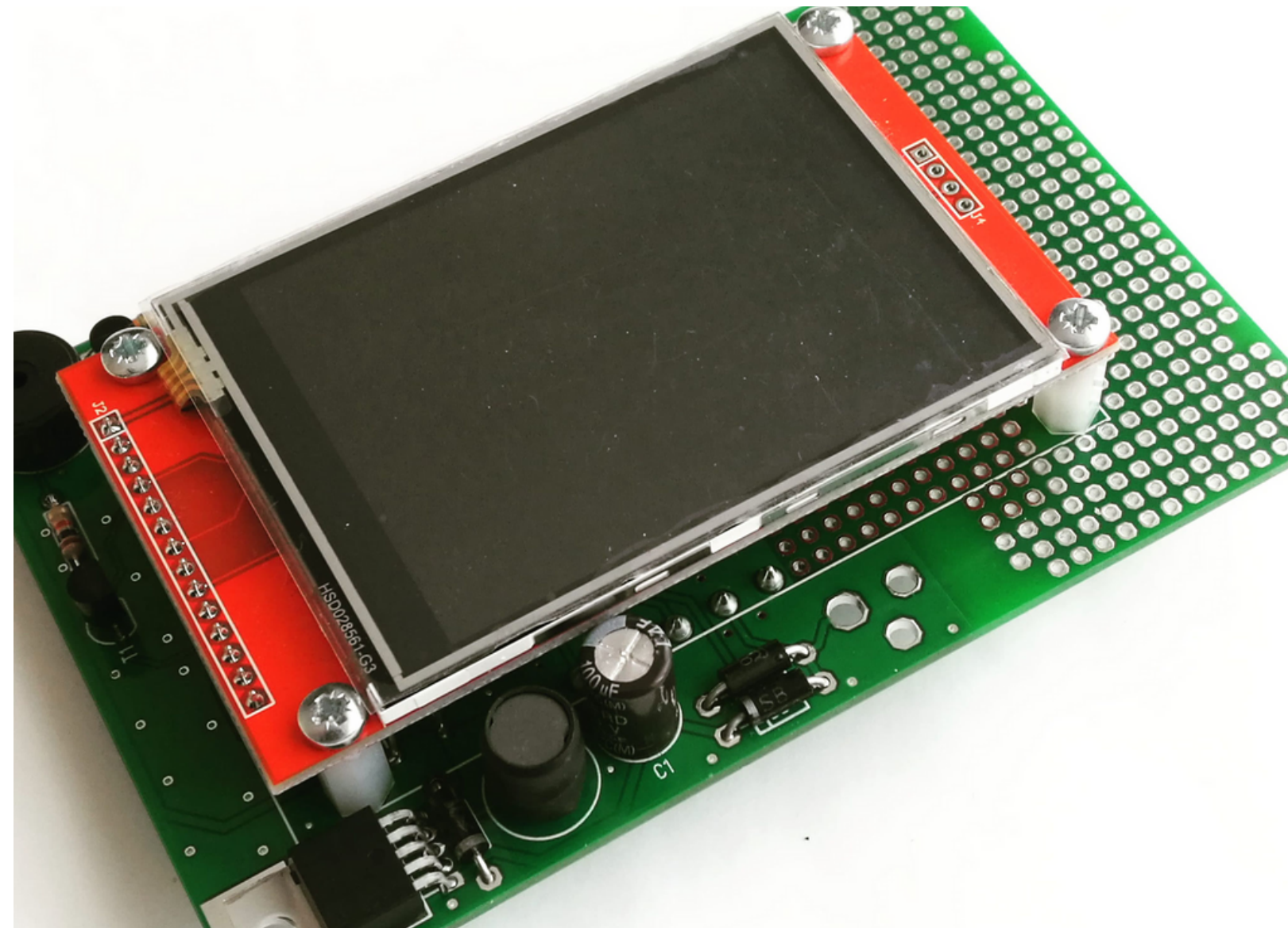
Benifits of Arduino MKR WiFi 1010

This board is compatible with the Arduino IoT Cloud, where you can create IoT applications in a few simple steps. The cloud includes powerful features, such as building dashboards to monitor and control sensor networks, while making sure your data is secure.



Benifits of AZ Touch

AZ Display This 7-inch display features superior 1024 x 600 dot resolution along with 500 cd/m² brightness



SOFTWARE USED-Arduino IDE



The tracker is using SSL communication with the website worldometers.info It is necessary needed to add this URL via the WiFi101 / WiFinINA Firmware Updater of the Arduino IDE to the Arduino MKR WiFi 1010 board





LIBRARIES USED

Adafruit ILI9341

Adafruit GFX

DOWNLOAD LINKS

<https://github.com/adafruit/Adafruit-GFX-Library/archive/master.zip>

https://github.com/adafruit/Adafruit_ILI9341

Code used-

```
void loop() {  
  check_country ("India");  
  delay 2000;  
  check_country("China");  
  delay 2000;  
  check_country("Japan");  
  delay 2000;  
  check_country("Nepal");  
  delay 2000;}
```

**MAIN BODY OF
THE CODE**



Site Reference

<https://www.digikey.be/en/maker/projects/covid-19-real-time-data-monitor/33775e73bc6c4baca2e05394b5e7d3d8>

worldometers.info

aarogyasetu.com

Thank You

