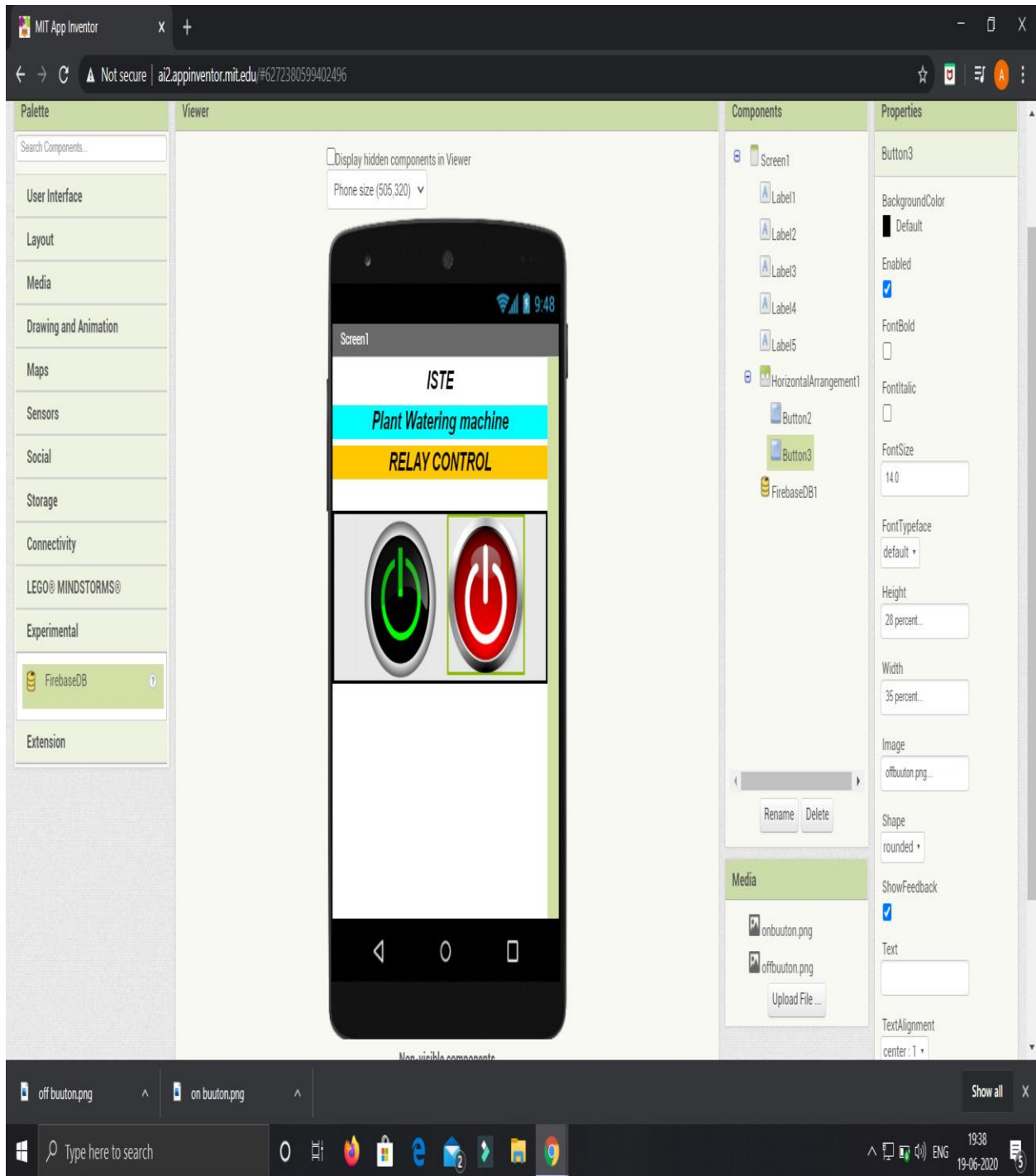


PLANT WATERING MACHINE

App for controlling relay



MIT App Inventor

Not secure | ai2.appinventor.mit.edu/#6272380599402496

APP INVENTOR

Plant_Watering_machine

Screen1

Add Screen ...

Remove Screen

Designer

Blocks

Blocks

Viewer

Built-in

Control

Logic

Math

Text

Lists

Dictionaries

Colors

Variables

Procedures

Screen1

Label1

Label2

Label3

Label4

Label5

HorizontalArrangemen

Rename

Delete

Media

onbuuton.png

when Button2 .Click

do

call FirebaseDatabase1 .StoreValue

tag relay

valueToStore 1

set Button2 .Visible to true

set Button3 .Visible to false

when Button3 .Click

do

call FirebaseDatabase1 .StoreValue

tag relay

valueToStore 0

set Button3 .Visible to false

set Button2 .Visible to true

Show Warnings

off buuton.png

on buuton.png

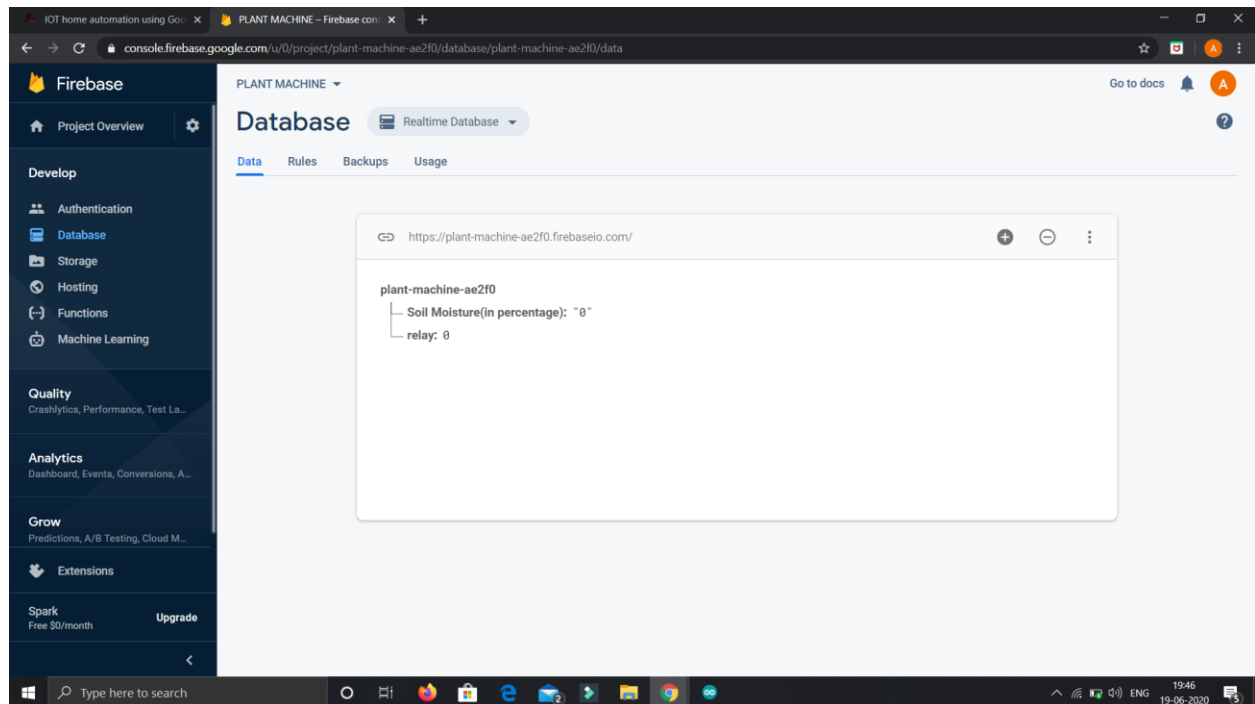
Show all

Type here to search

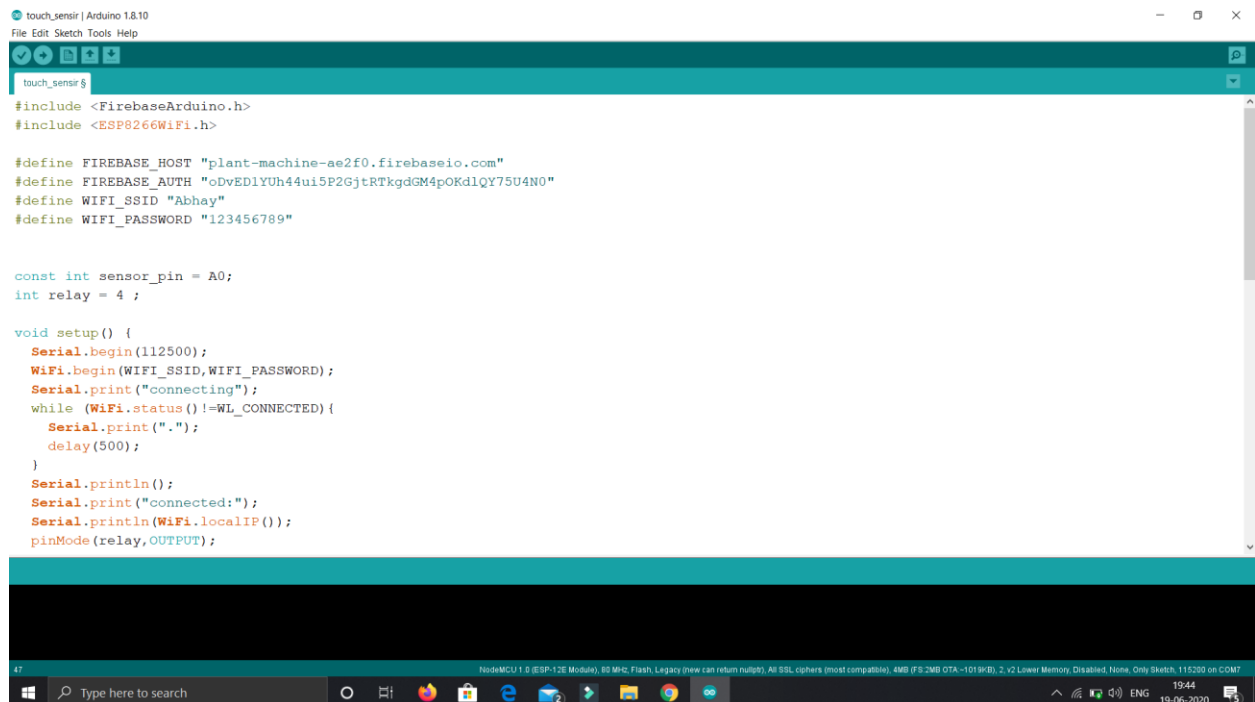
19:38

19-06-2020

Database:-



Code:-



```
touch_sensir | Arduino 1.8.10
File Edit Sketch Tools Help

touch_sensir $
}

void loop() {
  if (Firebase.failed())
  {
    Serial.print("setting number failed:");
    Serial.println(Firebase.error());
    firebase.reconnect();
    return;
  }

  float moisture_percentage;

  moisture_percentage = ( 100.00 - ( (analogRead(sensor_pin)/1023.00) * 100.00 ) );

  Serial.print("Soil Moisture(in Percentage) = ");
  Serial.print(moisture_percentage);
  Serial.println("%");

  if (moisture_percentage <=10%) {
    digitalWrite(relay, LOW);
    Serial.print("relay is on")
  }
  else (moisture_percentage >=50%) {
```

```
touch_sensir | Arduino 1.8.10
File Edit Sketch Tools Help

touch_sensir $
.

float moisture_percentage;

moisture_percentage = ( 100.00 - ( (analogRead(sensor_pin)/1023.00) * 100.00 ) );

Serial.print("Soil Moisture(in Percentage) = ");
Serial.print(moisture_percentage);
Serial.println("%");

if (moisture_percentage <=10%) {
  digitalWrite(relay, LOW);
  Serial.print("relay is on")
}
else (moisture_percentage >=50%) {
  digitalWrite(relay, HIGH);
  Serial.print("relay is off")
}
String firemoisture = String(moisture_percentage) + String("%");

Firebase.pushString("/plant machine/Soil Moisture(in Percentage)", firemoisture);
relay= rell=Firebase.getString("relay").toInt();

delay(5000);
}
```