

## **PROJECT DEVELOPMENT PHASE**

### **SPRINT -3**

Date	02-11-2022
Team ID	PNT2022TMID41415
Project Name	Real-Time River Water Quality Monitoring and Control System
Marks	

### **SPRINT DESCRIPTION**

In this Sprint we are about to describe about the Application we have developed and the Final Testing of the Python Code.

### **PYTHON EXECUTED OUTPUT**

We have successfully developed the python code and executed it. The code runs with the Temperature, Humidity and pH Value also displayed in the IBM IoT Platform.

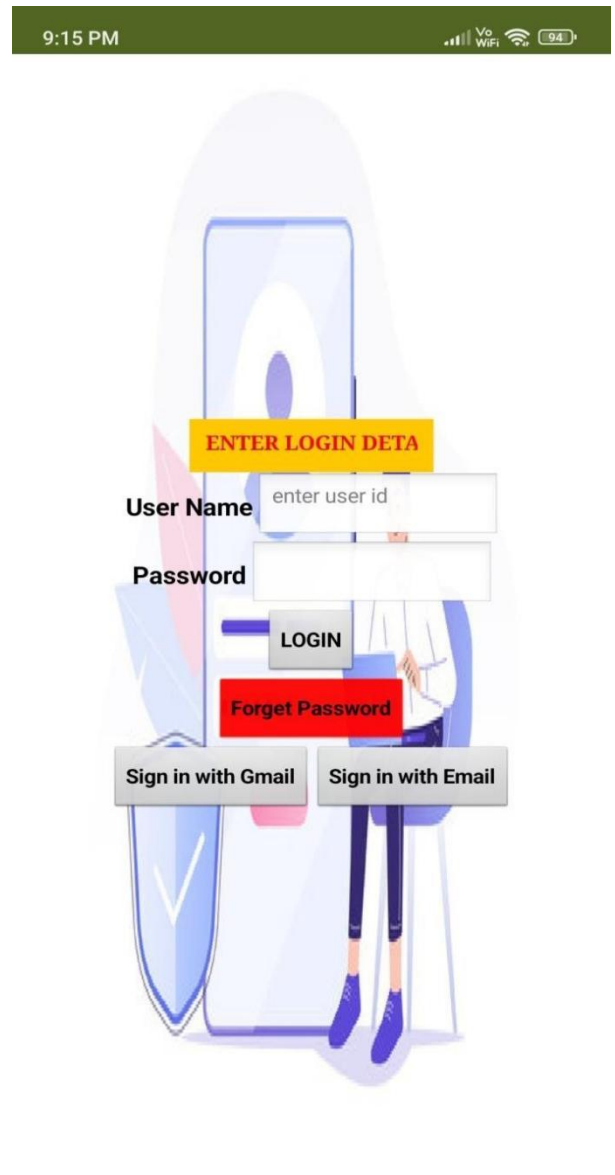
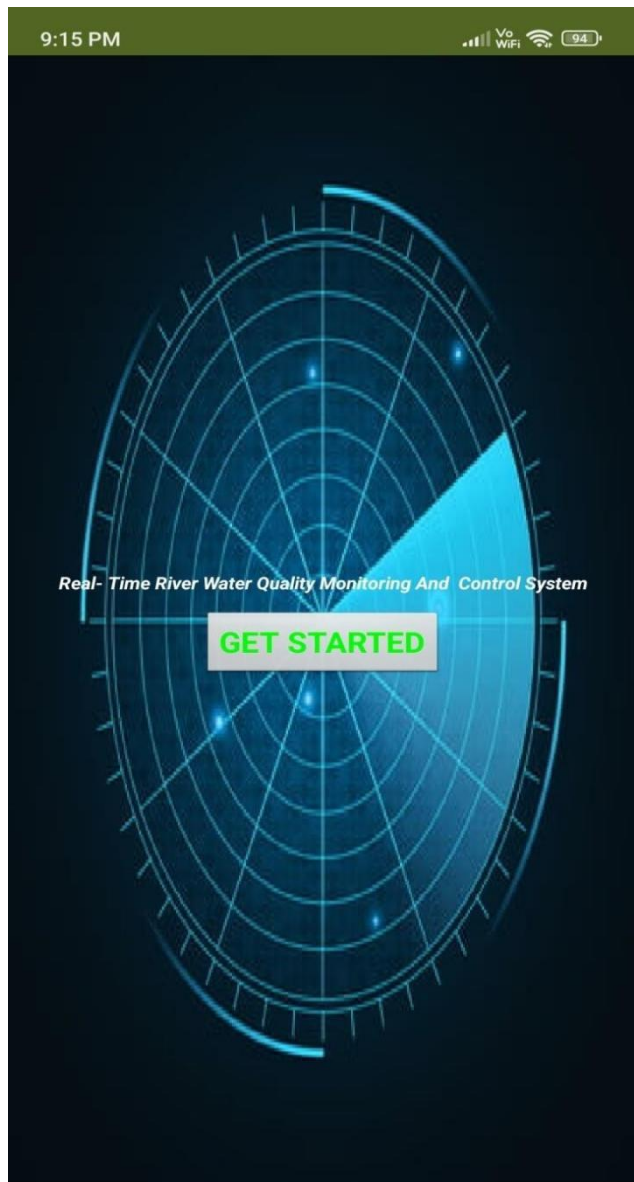
```
Test case: 1
Welcome to Real-Time River Water Quality Monitoring and Control System
Temperature: -34
pH: 6
DO: 60
TSS: 2987
Manganese: 197
Copper: 1359
Ammonia & Nitrate: 2
Hardness: 640
Zinc: 64
Conductivity: 762.54
Chloride: 160
Sulphate: 557

Test case: 2
Welcome to Real-Time River Water Quality Monitoring and Control System
Temperature: 41
pH: 14
DO: 1
TSS: 728
Manganese: 233
Copper: 1051
Ammonia & Nitrate: 72
Hardness: 603
Zinc: 46
Conductivity: 10.00
Chloride: 163
Sulphate: 891

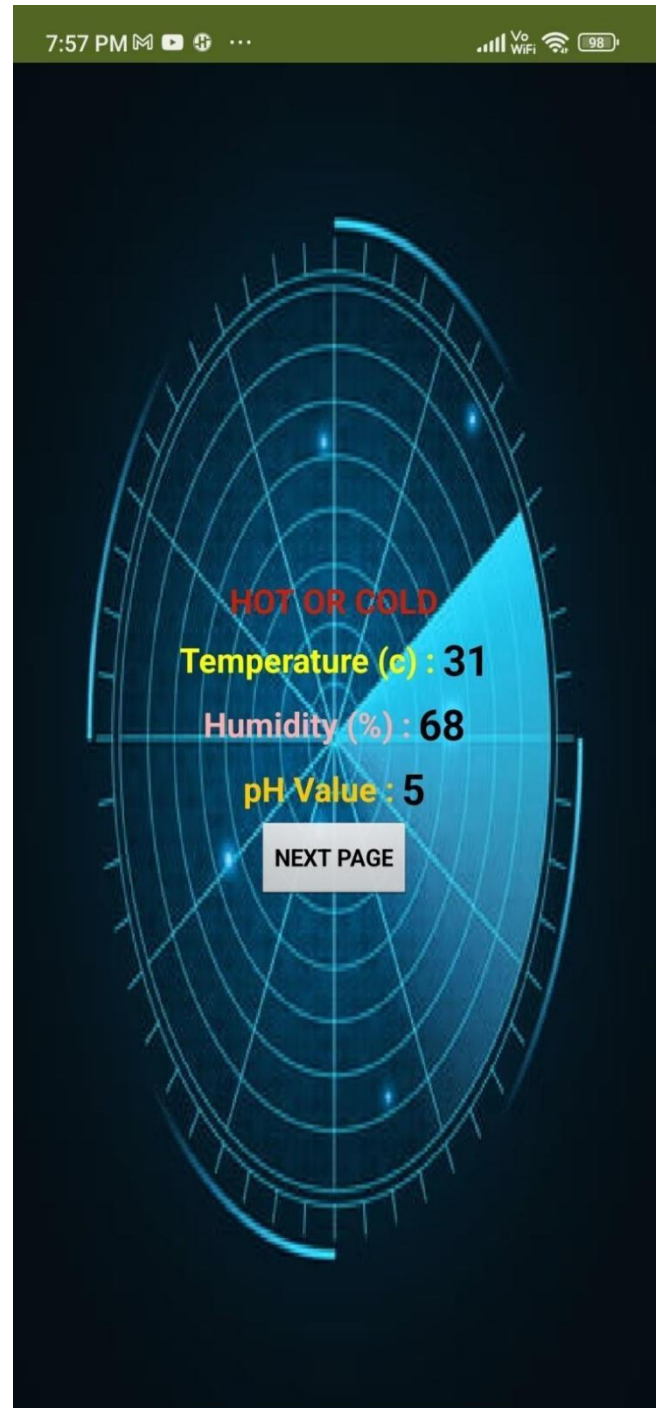
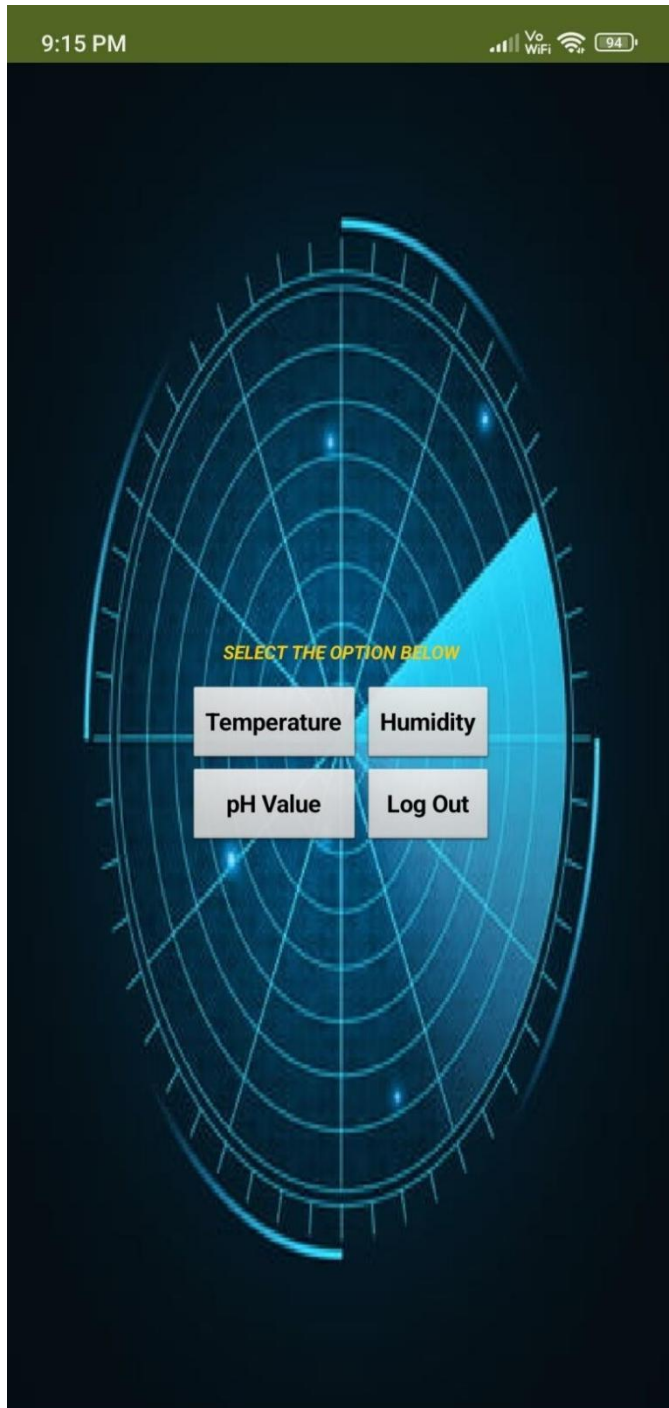
Test case: 3
Welcome to Real-Time River Water Quality Monitoring and Control System
Temperature: -23
pH: 4
DO: 52
TSS: 1367
```

## APPLICATION SCREENS

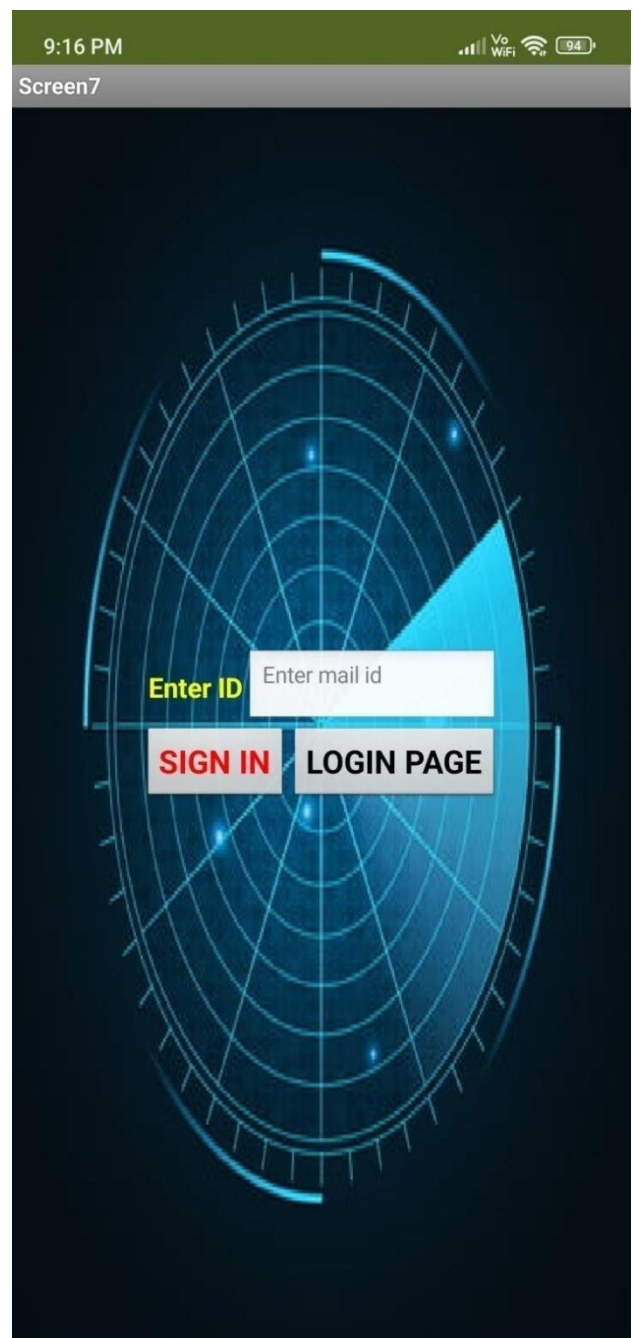
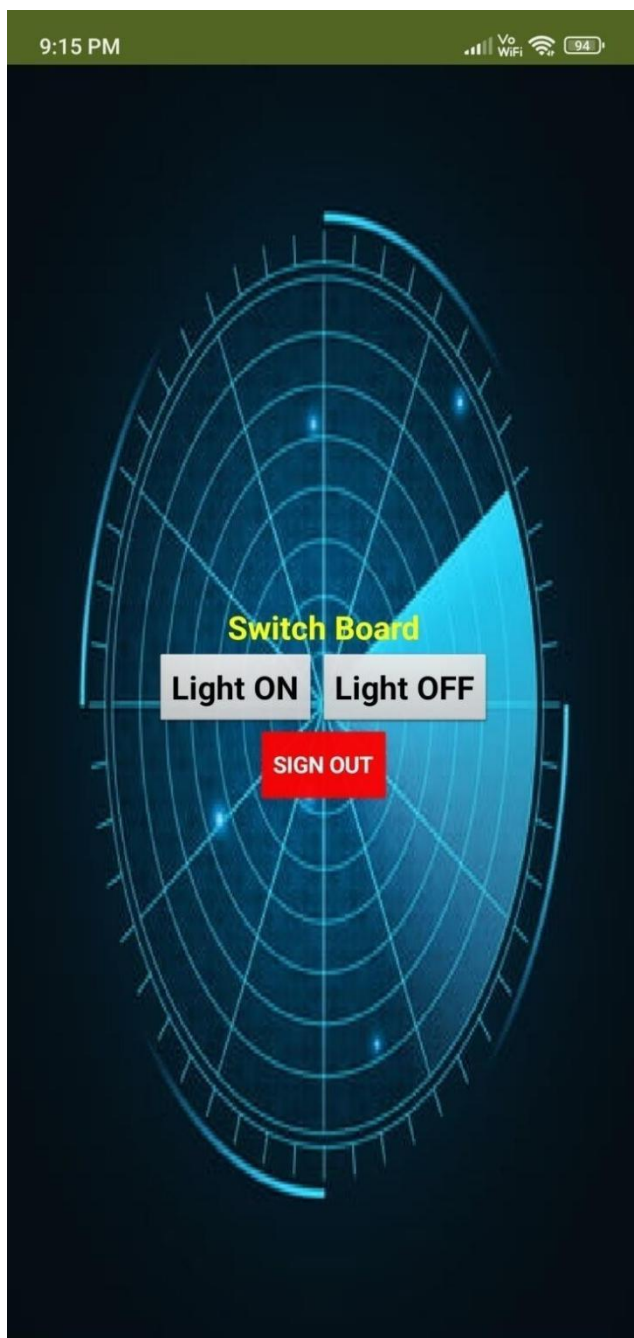
HERE WE DISPLAYED SCREEN 1 & SCREEN 2 PAGES OF OUR  
CREATED APPLICATION



HERE WE DISPLAYED SCREEN 3 & SCREEN 4 OF OUR CREATED APPLICATION



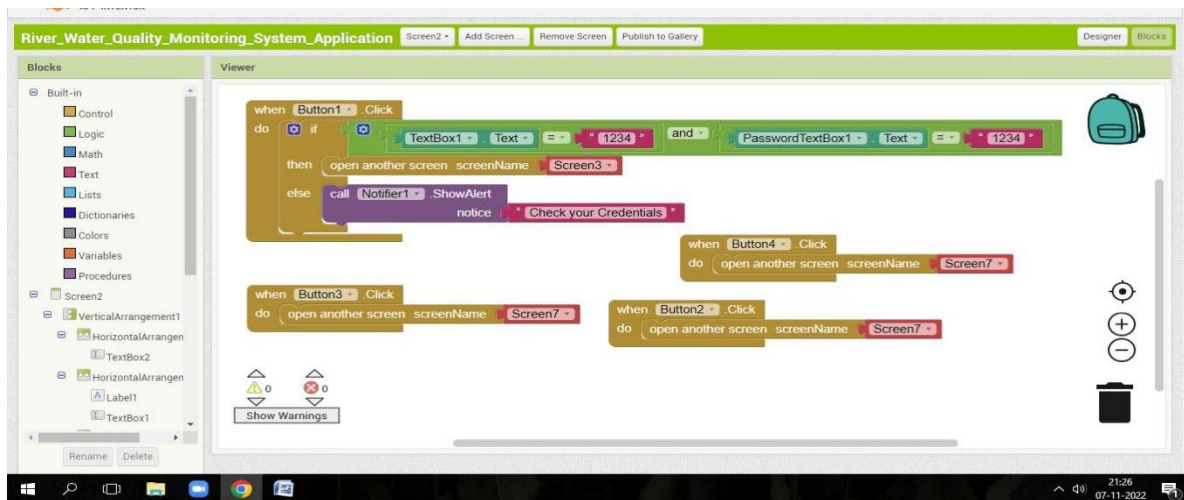
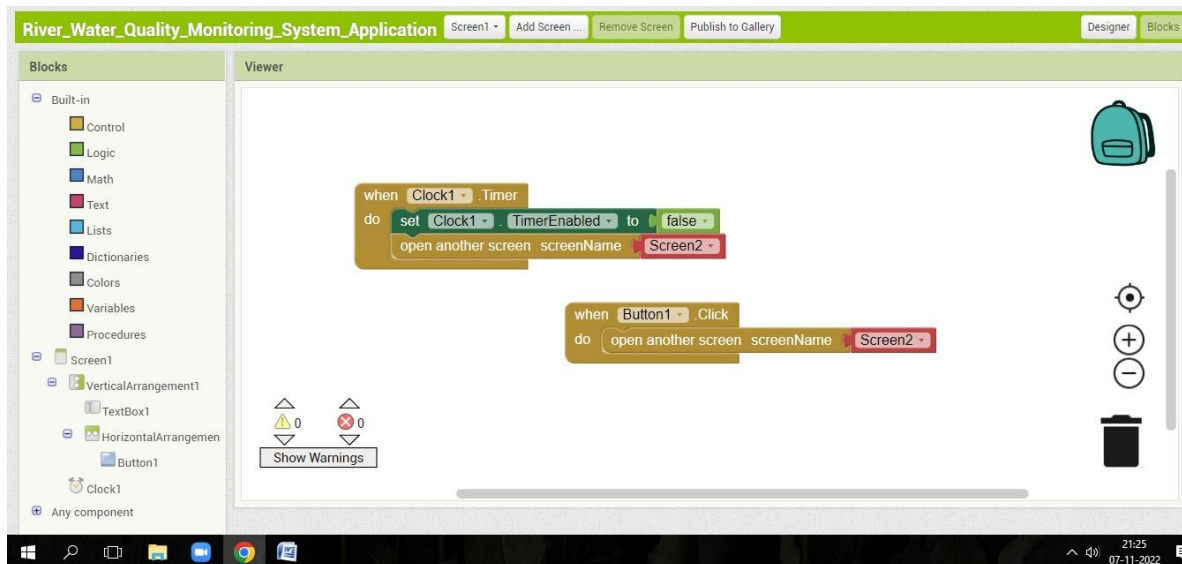
HERE WE DISPLAYED SCREEN 5 & SCREEN 6 OF OUR CREATED APPLICATION



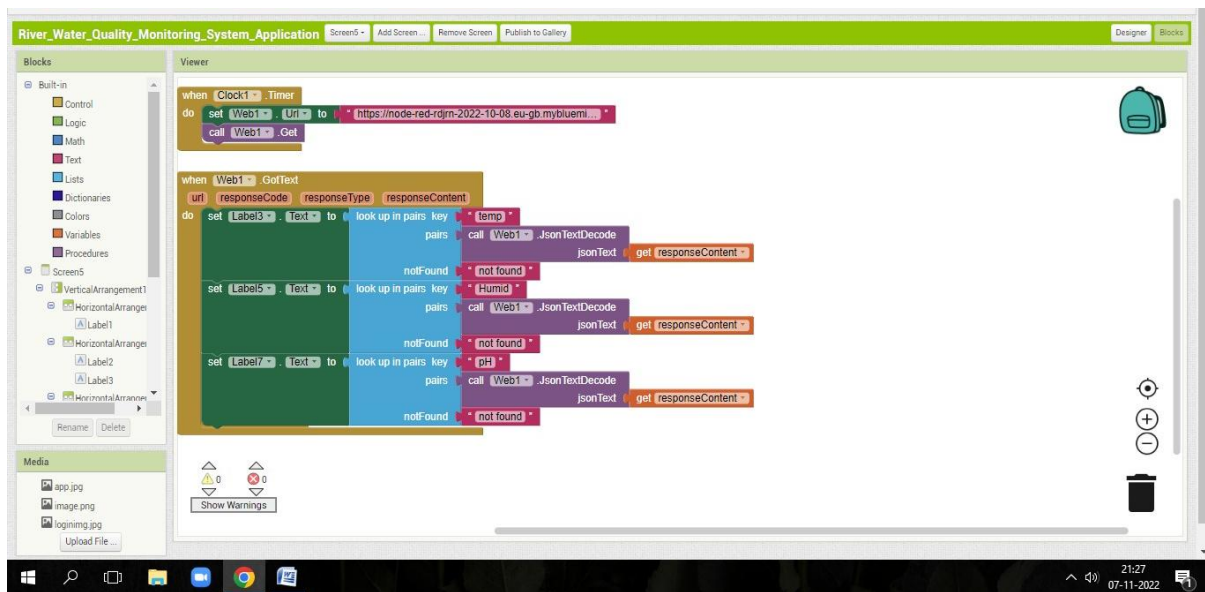
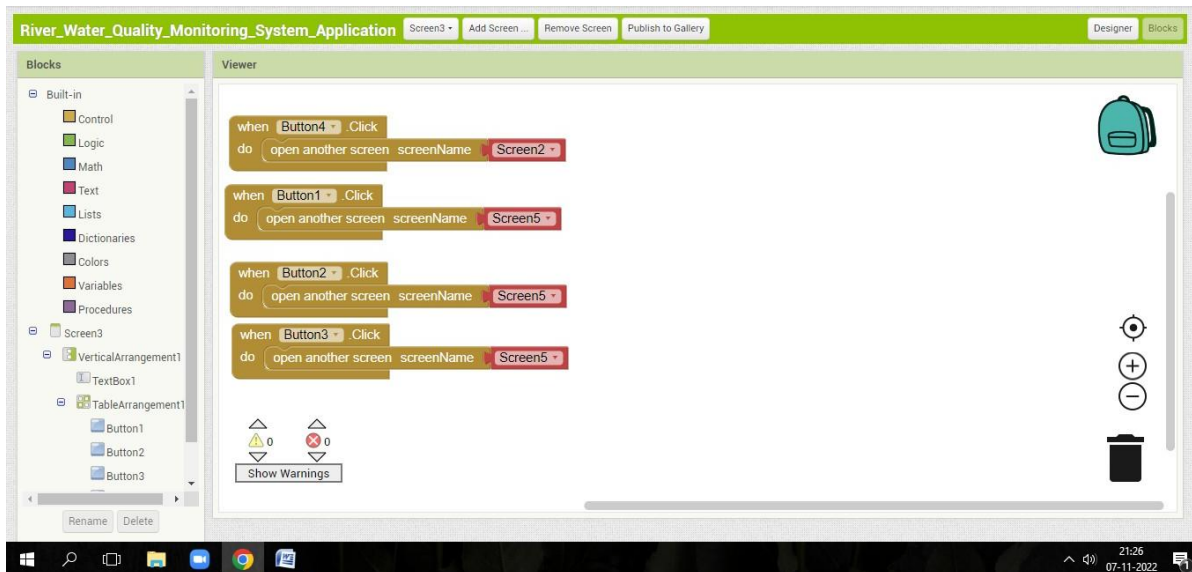


## BLOCKS FUNCTIONS USED IN OUR APPLICATION

### SCREEN 1 & SCREEN 2



## SCREEN 3 & SCREEN 4



## SCREEN 5 & SCREEN 6

