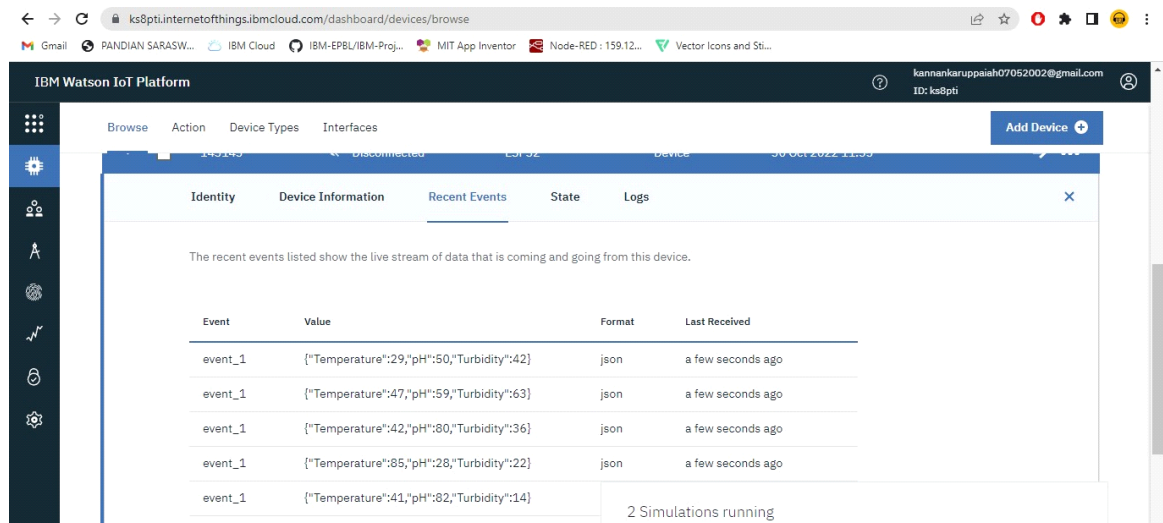


Build A Mobile App

Team ID	PNT2022TMID11410
Project Name	Real-time river water quality monitoring and control system

Configure The Application To Receive The Data From Cloud



The screenshot displays the IBM Watson IoT Platform interface. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A sidebar on the left contains icons for various functions. The main content area shows a table of recent events for a device. The table has columns for 'Event', 'Value', 'Format', and 'Last Received'. The events are listed as 'event_1' with values for Temperature, pH, and Turbidity. The format is 'json' and the last received time is 'a few seconds ago'. A status bar at the bottom indicates '2 Simulations running'.

Event	Value	Format	Last Received
event_1	{"Temperature":29,"pH":50,"Turbidity":42}	json	a few seconds ago
event_1	{"Temperature":47,"pH":59,"Turbidity":63}	json	a few seconds ago
event_1	{"Temperature":42,"pH":80,"Turbidity":36}	json	a few seconds ago
event_1	{"Temperature":85,"pH":28,"Turbidity":22}	json	a few seconds ago
event_1	{"Temperature":41,"pH":82,"Turbidity":14}	json	a few seconds ago

Data Is Sending From IBM IOT Watson:

Initial Stage Of App:

11:14

4G 50

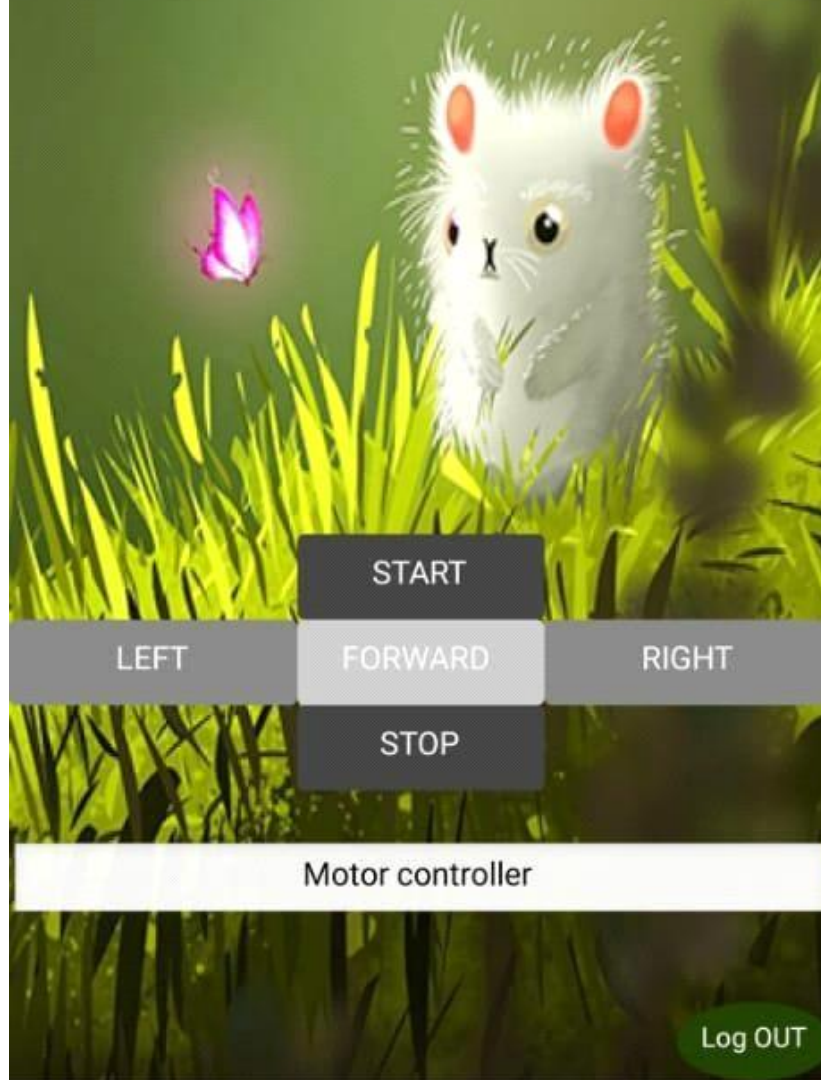
Real Time Water Quality Monitoring

MONITORING WINDOW

pH Value : not found

Turbidity : not found

Temperature: not found



Now Data Is Collected From The IBM:

11:16

4G 49

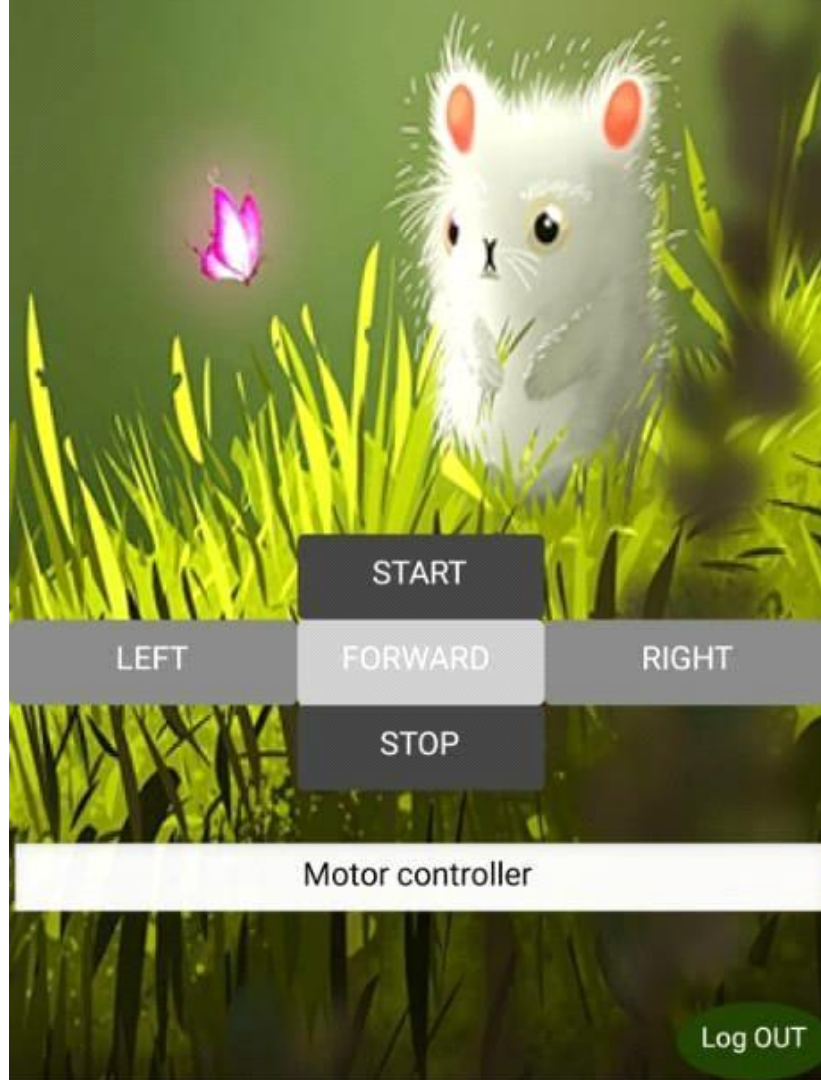
Real Time Water Quality Monitoring

MONITORING WINDOW

pH Value : 59

Turbidity : 63

Temperature: 47



START

LEFT

FORWARD

RIGHT

STOP

Motor controller

Log OUT

Take Another One Data From IBM:

11:16

4G 50

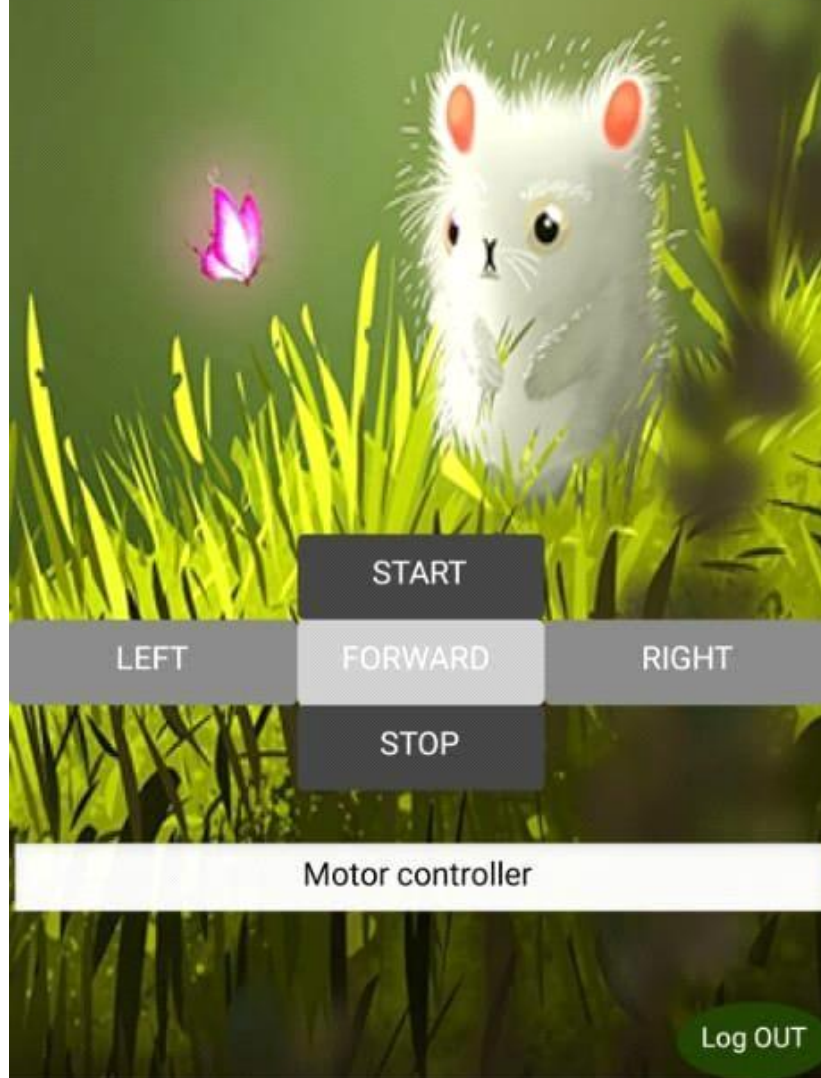
Real Time Water Quality Monitoring

MONITORING WINDOW

pH Value : 28

Turbidity : 22

Temperature: 85



START

LEFT

FORWARD

RIGHT

STOP

Motor controller

Log OUT

It is Backend of Our App:

Not secure | ai2.appinventor.mit.edu/#5519508551630848

Gmail PANDIAN SARASW... IBM Cloud IBM-EPBL/IBM-Proj... MIT App Inventor Node-RED: 159.12... Vector Icons and Sti...

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RiverWater Screen3 Add Screen Remove Screen Publish to Gallery Designer Blocks

Blocks

- Built-in
 - Control
 - Logic
 - Math
 - Text
 - Lists
 - Dictionaries
 - Colors
 - Variables
 - Procedures
- Screen3
 - VerticalArrangement1
 - VerticalArrangement1
 - Label4
 - TextBox1
 - TextBox2
 - Label5

Viewer

```
when Clock1.Timer
do
  set Web1.Uri to http://159.122.183.187:32125/sensor
  call Web1.Get

when Web1.GetText
do
  set Label10.Text to look up in pairs key Temperature
  pairs call Web1.JsonTextDecode jsonText get responseContent
  not found not found
  set Label9.Text to look up in pairs key Turbidity
  pairs call Web1.JsonTextDecode jsonText get responseContent
  not found not found
  set Label8.Text to look up in pairs key PH
  pairs call Web1.JsonTextDecode jsonText get responseContent
  not found not found

when Button1.Click
do
  open another screen screenName Screen1
```

Show Warnings

0