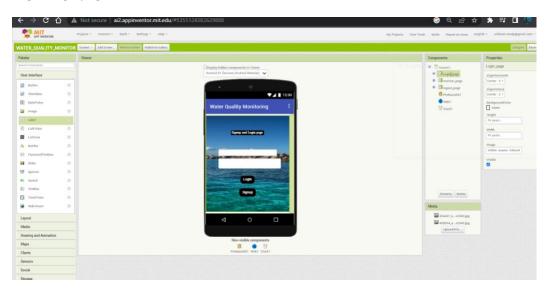
# **Project Development Phase**

## **Sprint-4**

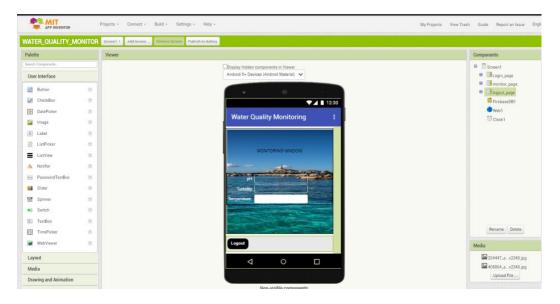
Date	18 November 2022
Team ID	PNT2022TMID08766
Project Name	Project Name Project - Real time River water
	quality monitoring and control system

# Creating app with MIT app inventor:

Login /sign page:



### Monitoring page:



### Block components inside MIT app inverter

```
when login .Click
                                                                                                                                                                                                            when signup .Click
do call FirebaseDB1 .GetValue
                                                                                                                                                                                                                   call FirebaseDB1 .StoreValue
                                                                                          tag ( Username v . Text v
                                                                                                                                                                                                                                                                                                                           Username * . Text *
                                                valuelfTagNotThere ( NA *
                                                                                                                                                                                                                         valueToStore Password Text valueToStore Password Password
                                                                                                                                                                                                                         set Password . Text to
                                                                                                                                                                                                                              when Logout . Click
        when [FirebaseDB1 ] .GotValue
                                                                                                                                                                                                                              do set Login_page v . Visible v to true v
          tag value
                                                                                                                                                                                                                                            set [monitor_page *] . Visible * to [false *]
       do (if get tag v = v (Username v . Text v
                                                                                                                                                                                                                                            set [logout_page v ]. Visible v to [false v]
                    then (a) if get value v = v Password v . Text v
                                                                                                                                                                                                                                           set Info v . Text v to
                                         then set Login_page v . Visible v to false v
                                                             set monitor_page v . Visible v to ( true v
                                                             set logout_page . Visible to (true t
                                                                                                                                                                                                                                                  vhen Clock1 · .Timer
                                                                                                                                                                                                                                                do set Web1 v . Url v to http://169.51.203.233:30428/data
                                                           Text to Wrong username or password
                                                                                                                                                                                                                                                            call [Web1 * ].Get
```

### Linking App with Node-Red:

## **Program for sending Alert message:**

From twilio.rest import Client

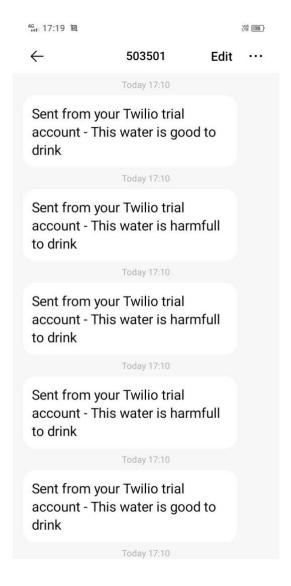
Account\_sid = 'AC18b4d7a136b9a07a181a837c23ad1358'

Auth\_token = 'adc9782f6520041c84ac4930daad0625 '

Client = Client(account\_sid, auth\_token)

Message = client.messages.create(from\_='+14632588702',body ='Alert:This water is harmfull',to ='+91 95856 17613')

Print(message.sid)



## Final output of app created:

Page 1: login/signin page.



Page 2: Monitoring Window

