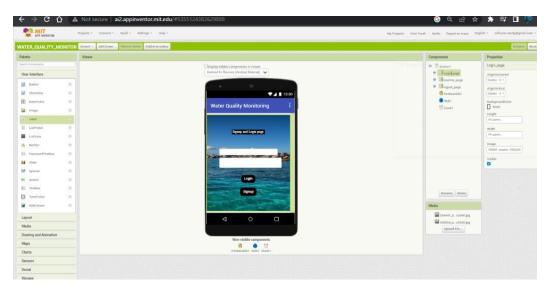
Project Development Phase

Sprint-4

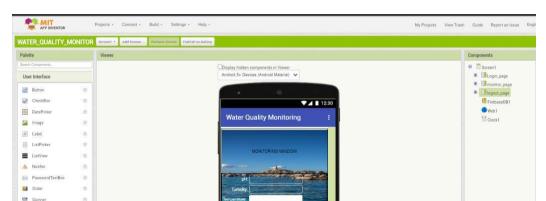
Date	18 November 2022
Team ID	PNT2022TMID19640
Project Name	Project Name Project - Real time River water quality monitoring and control system

Creating app with MIT app inventor:

Login /sign page:



Monitoring page:



Block components inside MIT app inverter

```
when login . Click
                                                          n signup . Click
do call FirebaseDB1 .GetValue
                                                           call FirebaseDB1 . StoreValue
                        tag Username . Text
                                                                                tag Username ... Text ...
                                                          valueToStore Password Text set Username Text to
             valuelfTagNotThere NA
                                                          set Password . Text to
                                                            when Logout . Click
  when FirebaseDB1 .GotValue
                                                            do set Login page . Visible to true
  tag value
                                                                set monitor_page . Visible to false
  do (i) if get tag (i) = ( Usernames) . Text
                                                               set logout page . Visible . to false
                                                               set (Info 2) . Text to 1
     then O if get value > Password > . Text
          then set Login page . Visible . to false
                set monitor_page . Visible to true
                set [logout_page * ] . Visible * ] to [ true * ]
                                                                   set Web1 . Url to http://189.51.203.233:30428/data
    set (Info. ). Text to ( Wrong username or password )
                                                                    call Web1 . Get
```

Linking App with Node-Red:

```
when Web1 ** .GotText

url responseCode responseType responseContent

do set ph ** . Text ** to look up in pairs key pairs call Web1 ** .JsonTextDecodeWithDictionaries jsonText get responseContent **

notFound ** not **

set temp ** . Text ** to look up in pairs key tem **

pairs call Web1 ** .JsonTextDecodeWithDictionaries jsonText get responseContent **

notFound ** not **

set turbid ** . Text ** to look up in pairs key tur **

pairs call Web1 ** .JsonTextDecodeWithDictionaries jsonText get responseContent **

notFound ** not **

notFound ** not **

notFound ** not **

notFound ** not **

set turbid ** . Text ** to look up in pairs key info **

pairs call Web1 ** .JsonTextDecodeWithDictionaries jsonText get responseContent **

notFound ** not **

notFound **

notFound **

notFound **

notFoun
```

Program for sending Alert message:

From twilio.rest import Client

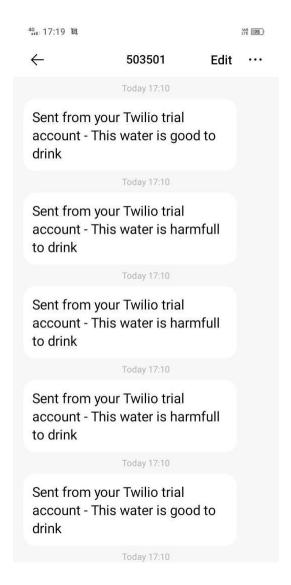
Account_sid = 'AC18b4d7a136b9a07a181a837c23ad1358'

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

