## PROJECT DEVELOPMENT PHASEPROJECT

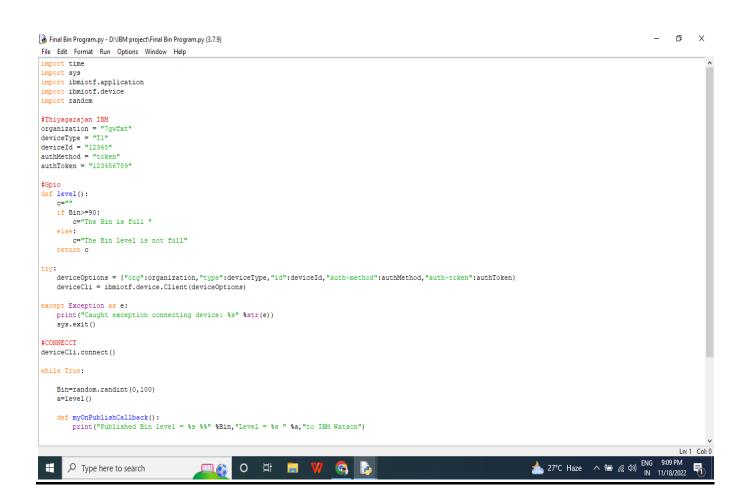
## **DEVELOPMENT DELIVERY OF SPRINT 4**

Date	19 Nov 2022
Team ID	PNT2022TMID38568
Project Name	Smart Waste Management System For Metropolitant Cities
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 CODE**



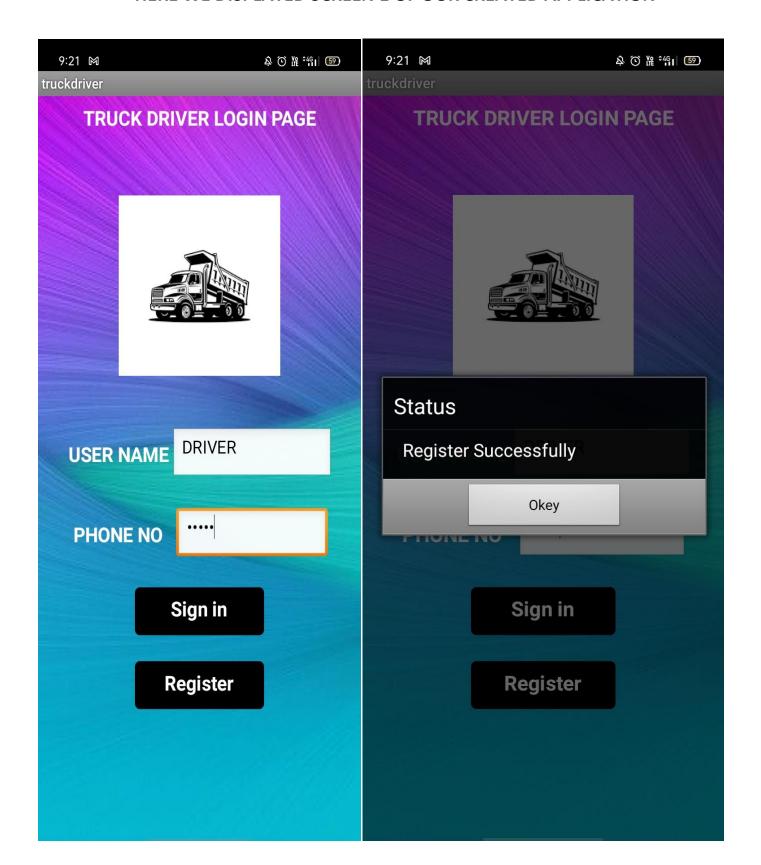
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Final Bin Program.py - D:\IBM project\Final Bin Program.py (3.7.9)
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#Gpio
def level():
   c=""
   if Bin>=90:
       c="The Bin is full "
   else:
      c="The Bin level is not full"
   return c
try:
   deviceOptions = {"org":organization,"type":deviceType,"id":deviceId,"auth-method":authMethod,"auth-token":authToken}
    deviceCli = ibmiotf.device.Client(deviceOptions)
except Exception as e:
   print("Caught exception connecting device: %s" %str(e))
   sys.exit()
#CONNECCT
deviceCli.connect()
while True:
   Bin=random.randint(0,100)
   a=level()
   def myOnPublishCallback():
       print("Published Bin level = %s %%" %Bin, "Level = %s " %a, "to IBM Watson")
   data={'bin':Bin,'level':level()}
    success = deviceCli.publishEvent("IoTSensor","json",data,qos=0, on_publish=myOnPublishCallback)
    if not success:
       print("Not connected to IoTF")
    time.sleep(10)
#Disconnect
deviceCli.disconnect()
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# **PYTHON EXECUTED OUTPUT**

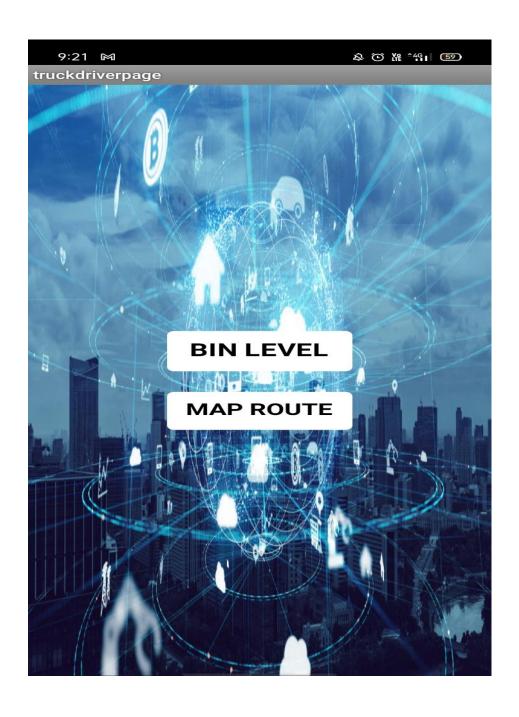


# **APPLICATION SCREENS**

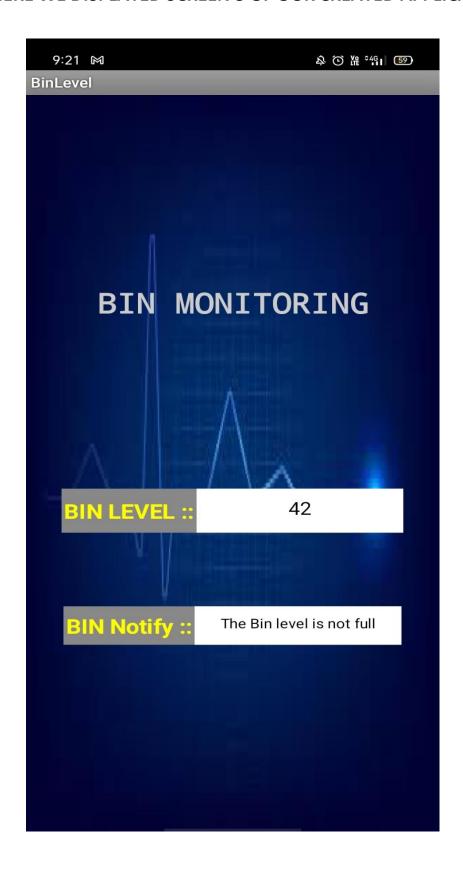
## HERE WE DISPLAYED SCREEN 1 OF OUR CREATED APPLICATION



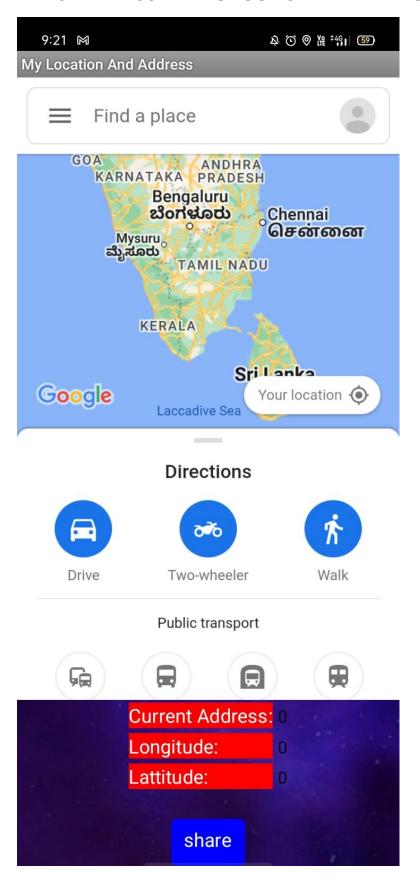
## HERE WE DISPLAYED SCREEN 2 OF OUR CREATED APPLICATION



## HERE WE DISPLAYED SCREEN 3 OF OUR CREATED APPLICATION



## HERE WE DISPLAYED SCREEN 4OF OUR CREATED APPLICATION



# **BLOCKS FUNCTIONS USED IN OUR APPLICATION**

