PYTHON CODE

| TEAM ID | PNT2022TMID23838 |
|-------------------|----------------------------------|
| Project Name | REAL-TIME RIVER WATER MONITORING |
| | AND CONTROL SYSTEM |
| Leader Name | BHUVANESHWARI SRIDHAR S |
| Team Members Name | BAVANI P |
| | DIVEDHA V |
| | KAVIYARASI P |

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🔌 Restricted Mode is intended for safe code browsing. Trust this window to enable all features. <u>Manage</u> <u>Learn More</u>
      ф ру
         import ibmiotf.application import ibmiotf.device import time import random import sys
             Client = Client(keys.account_sid, keys.auth_token)
            organization = "lwkiec"
deviceType = "Microcontroller_Device_1" deviceId = "00002" authMethod = "token" authToken = "sushi@123"
         9 pH = random.randint(1, 14) turbidity = random.randint(1, 1000) temperature
             = random.randint(0, 100)
        13 def myCommandCallback(cmd): print("Command Received: %s" % cmd.data['command']) print(cmd)
        16 try: deviceOptions = {"org": organization, "type": deviceType, "id": deviceId, "auth- method":
        17 authMethod,
18 "auth-token": authToken}
        19 deviceCli = ibmiotf.device.Client(deviceOptions)
        pH = random.randint(1, 14) turbidity = random.randint(1, 1000) temperature = random.randint(0, 100)
        data = {'pH': pH, 'turbid': turbidity, 'temp': temperature} def SMS():
message = Client.messages.create(
        body="ALERT!! THE WATER QUALITY IS DEGRADED",
from =keys.twilio_number, to = keys.target_number)
        30 print(message.body)
         32 if temperature>70 or pH<6 or turbidity>500: SMS()
              def myOnPublishCallback(): print("Published pH= %s" % pH, "Turbidity:%s" % turbidity, "Temperature:%s" % temperature)
```