## PUBLISH DATA TO THE IBM CLOUD

TEAM ID	PNT2022TMID23839
Project Name	REAL-TIME RIVER WATER QUALITY
	MONITORING AND CONTROL SYSTEM
Leader Name	ASHA BAI M
Team Members Name	GEETHASREE S
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Tile Edit Selection View Go Run Terminal Help
 Restricted Mode is intended for safe code browsing. Trust this window to enable all features. Manage Learn More
         {\tt 1} \quad {\tt import\ ibmiotf.application\ import\ ibmiotf.device\ import\ time\ import\ random\ import\ sys}
          3 Client = Client(keys.account_sid, keys.auth_token)
         6 deviceType = "Microcontroller_Device 1" deviceId = "00002" authMethod = "token" authToken = "sushi@123"
         9 pH = random.randint(1, 14) turbidity = random.randint(1, 1000) temperature
        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)
        24 pH = random.randint(1, 14) turbidity = random.randint(1, 1898) temperature = random.randint(0, 188)
        26 data = ('pH': pH, 'turbid': turbidity, 'temp': temperature) def SMS():
        message = Client.messages.create(
body="ALERT!! THE WATER QUALITY IS DEGRADED",
        29 from =keys.twilio_number, to = keys.target_number)
         30 print(message.body)
             if temperature>70 or pHc6 or turbidity>500; SMS()
             def myOnPublishCallback(): print("Published pH= %s" % pH, "Turbidity:%s" % turbidity, "Temperature:%s" % temperature)
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