**SPRINT 3**

|  |  |
| --- | --- |
| **Date** | **29 October 2022** |
| **Team ID** | **PNT2022TMID23204** |
| **Project Name** | **Project -**Real time river water quality monitoring and Control System |

**Team Members:**

1. **SUGESH.G - Team Leader**
2. **EDWIN ANTHONY.L -Team Member**
3. **JABEL GADSON.G - Team Member**
4. **MANTREAS.P.VS - Team Member**

**CODE:**

import random as rand

for i in range(5):

print("Test case:",i+1)

print("Welcome to Real-Time River Water Quality Monitoring and Control System") temperature = int(rand.randint(-40,125)) pH = int(rand.randint(0,14)) DO = int(rand.randint(0,100))

TSS = int(rand.randint(0,3700))

Manganese = int(rand.randint(0,1000)) Copper = int(rand.randint(0,2000)) ammonia\_Nitrate = int(rand.randint(0,100))

Hardness = int(rand.randint(0,1000))

Zinc = int(rand.randint(0,100))

Conductivity = f"{float(rand.uniform(0.001,2000)):.2f}"

Chloride = int(rand.randint(0,200))

Sulphate = int(rand.randint(0,1000))

#These variables store value of ramdom data to be shared to the cloud

#printing the values print(

"Temperature:", temperature,

"\npH:", pH,

"\nDO:", DO,

"\nTSS:", TSS,

"\nManganese:", Manganese,

"\nCopper:", Copper,

"\nAmmonia & Nitrate:",ammonia\_Nitrate,

"\nHardness:",Hardness,

"\nZinc:", Zinc,

"\nConductivity:", Conductivity,

"\nChloride:", Chloride,

"\nSulphate:", Sulphate, "\n"

)

**TEST CASES:**







