PROJECT DEVELOPMENT - DELIVERY OF SPRINT 3

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| Team ID: | PNT2022TMID03218 |
| Name: | Real-Time River Water Quality Monitoring and Control System |

**Coding for sprint 3:**

**SPRINT 3**

#importing Random function to generate the value 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"

)