

# Project Development Phase

## Sprint 4

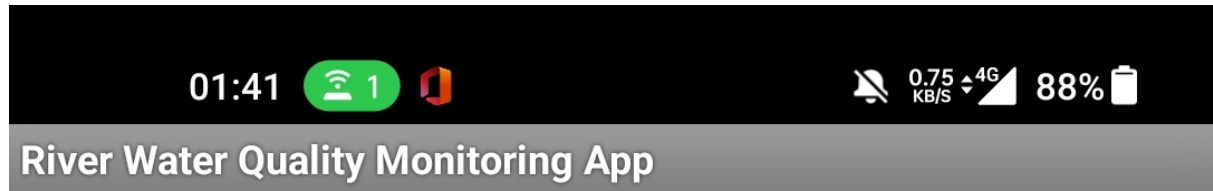
Date	03 November 2022
Team ID	PNT2022TMID43379
Project Name	River Water Quality Monitoring and Control System
Maximum Marks	4 Marks

## Monitoring and Controlling the Motor:

### Python Console:

```
"Python 3.7.0 Shell"
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:06:47) [MSC v.1914 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
RESTART: C:\Users\MANO BHARATHI\OneDrive\Desktop\Desktop\ibm\RivWatQuality.py
2022-11-19 01:40:59,986 ibmiotf.device.Client INFO Connected successfully: d:rj0qwb:RivWatQuality:RivWatQuality
{'Ph': 7, 'Turb': 8}
pH Value of Water 7
Turb Value of Water 8
{'Ph': 13, 'Turb': 2}
pH Value of Water 13
Turb Value of Water 2
{'Ph': 7, 'Turb': 1}
pH Value of Water 7
Turb Value of Water 1
{'Ph': 12, 'Turb': 10}
pH Value of Water 12
Turb Value of Water 10
{'Ph': 0, 'Turb': 10}
pH Value of Water 0
Turb Value of Water 10
command received: MotorON
<ibmiotf.device.Command object at 0x04985850>
{'Ph': 7, 'Turb': 8}
pH Value of Water 7
Turb Value of Water 8
{'Ph': 5, 'Turb': 8}
pH Value of Water 5
Turb Value of Water 8
command received: MotorOFF
<ibmiotf.device.Command object at 0x04985990>
{'Ph': 7, 'Turb': 7}
pH Value of Water 7
Turb Value of Water 7
{'Ph': 9, 'Turb': 1}
pH Value of Water 9
Turb Value of Water 1
|
```

## Mobile App:



## River Water Quality Monitoring and Control System

pH Value

Turbidity

## Motor Control

**ON**

**OFF**

Team ID: PNT2022TMID43379

### After Clicking ON Button:

```
pH Value of Water 7  
Turb Value of Water 10  
command received: MotorON  
<ibmiotf.device.Command object at 0x04985850>  
{'Ph': 7, 'Turb': 8}  
pH Value of Water 7
```

### After Clicking OFF Button:

```
Turb Value of Water 8  
command received: MotorOFF  
<ibmiotf.device.Command object at 0x04985990>  
{'Ph': 7, 'Turb': 7}  
pH Value of Water 7
```