

# MILESTONES AND ACTIVITY LISTS

**TEAM ID : PNT2022TMID42431**

## **Real-Time River water quality monitoring and control system**

### **1.Prerequisites**

- IBM Cloud Services
- Software

### **2.Project Objectives**

- Abstract
- Brainstorming

### **3.Create And Configure IBM Cloud Services**

- Create IBM Watson IoT Platform And Device
- Create Node- Red Service
- Create A Database In Cloudant DB

### **4.Develop The Python Script**

- Develop A Python Script

### **5.Develop A Web Application Using Node-RED Service.**

- Develop The Web Application Using Node-RED

### **6.Building Mobile App**

- Design your UI to display the water Turbidity, pH values
- Configure the application to receive the data from cloud
- Configure the mobile app for controlling motor using buttons

### **8.Ideation Phase**

- Literature Survey On The Selected Project & Information Gathering
- Prepare Empathy Map
- Ideation

### **9.Project Design Phase -1**

- Proposed Solution
- Prepare Solution Fit

## **10.Project Design Phase -2**

- Customer journey
- Functional Requirement
- Data Flow Diagram
- Technology Architecture

## **11.Project planning Phase**

- Prepare Milestones & Activity List
- Sprint Delivery Plan

## **12.Project Development Phase**

- Project Development-Delivery Of Sprint-1
- Project Development-Delivery Of Sprint-2
- Project Development-Delivery Of Sprint-3
- Project Development-Delivery Of Sprint-

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