

# MILESTONES AND ACTIVITY LISTS

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

### 1.Pre-requisites

- 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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