

## PROJECT PLANNING PHASE

### PROJECT MILESTONE

Date	4 November 2022
Team ID	PNT2022TMID15034
Project Name	Real-Time River Water Quality Monitoring and Control System
Maximum Marks	4 marks

S.NO	ACTIVITY TITLE	ACTIVITY DESCRIPTION	DURATION
1	Understanding the project requirement	Assigning tasks to the team members and creating repository in the Github, Assign the task to each members and teach how to use and open the Github and IBM career education .	1 WEEK
2	Starting of project	Advice students to attend classes of IBM portal create and develop an rough diagram based on project description and gathering information on IOT and IBM project and team leader assigns the task to each member of the project .	1 WEEK
3	Attend class	Team members and team lead must watch and learn from classes provided by IBM and NALAYATHIRAN and must gain access of MIT license for their project.	4 WEEK

4	Budget and scope of project	Budget and analyze the use of IOT in the project and discuss with team for the budget prediction to predict the favorability for the customer to buy	1 WEEK
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# Real-Time River Water Quality Monitoring and Control System

- **Prerequisites**

- »IBM Cloud Services

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- »Software

- **Project Objectives**

- »Abstract

- »Brainstorming

- **Create And Configure IBM Cloud Services**

- »Create IBM Watson Iot Platform And Device

- »Create Node- Red Service

- »Create A Database In Cloudant DB

- **Develop The Python Script**

- »Develop A Python Script

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

- »Develop The Web Application Using Node-RED

- **Ideation Phase**

- »Literature Survey On The Selected Project & Information Gathering

- »Prepare Empathy Map

- »Ideation

- **Project Design Phase -1**

- »Proposed Solution

- »Prepare Solution Fit

- »Solution Architecture

- **Project Design Phase -2**

- »Customer journey

- »Functional Requirement

- »Data Flow Diagram

- »Technology Architecture

- **Project planning Phase**

- » Prepare Milestones & Activity List
- » Sprint Delivery Plan

- **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-4