

Prepare Milestone & Activity List

Date	10 November 2022
Team ID	PNT2022TMID43379
Project Name	River Water Quality Monitoring and Control System
Maximum Marks	4 Marks

MILESTONES	TASKS	WORK DONE BY
Prerequisite	IBM Cloud Services Software	Ashwath Sivanandhan
Create and Configure IBM Cloud Services	Create IBM Watson IOT Platform and Device Create Node-RED Service	Manobharathi Mahesh Krishnan
Develop the Python Script	Develop a Python Script Publish data to the IBM CCloud	Sivanandhan Mahesh Krishnan
Develop a Web Application Using Node-RED Services	Develop the Web Application using Node-RED Use Dashboards Nodes for Creating UI (Web APP) Create an HTTP Requests to Communicate with Mobile App	Ashwath Mahesh Krishnan
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	Manobharathi Ashwath
Ideation Phase	Literature Survey on the Selected Project & Information Gathering Prepare Empathy Map	Manobharathi Sivanandhan

Project Design Phase - I	Proposed Solution Prepare Solution Fit Solution Architecture	Sivanandhan Mahesh Krishnan
Project Design Phase - II	Customer Journey Functional Requirement Data Flow Diagram Technology Architecture	Ashwath Manobharathi
Project Planning Phase	Prepare Milestone & Activity List Sprint Delivery Time	Manobharathi Mahesh Krishnan
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	Manobharathi Sivanandhan

S.No	Activity titles	Activity dispersion	Duration
1	Understanding the Project Requirement	Assign the team members and create repository in the Github, Assign the task to each members and teach how to use and open and class the Github and IBM career education	1 Week
2	Starting of Project	Advice students to attend classes of IBM portals, create and develop a rough diagram based on project description and gather information on IOT and IBM projects and team leaders assign tasks to each member of the project	1 Week

3	Attending Training Sessions	Team members and team lead must watch and learn from classes provided by IBM and NALAYATHIRAN and must gain access to the MIT license for their project	4 Week
4	Budget and Scope of the Project	Budget and analyse the use of IOT in the project and discuss with the team for budget prediction to predict the favorability for the customer to buy.	4 Week