

## Project planning phase Milestone & Activity list

Date	07 November 2022
Team ID	PNT2022TMID08054
Project Name	Real time river water quality monitoring and control system

### Milestone List

Milestone name	Milestone number	Description	Mandatory
Prerequisite	M-01	We will be learn about cloud services and we will install python and required libraries	Yes
Project Objectives	M-02	Gain Knowledge of watson platform,IBM cloudant DB,Web application development and generating QR codes with the required data	Yes
Create and configure IBM cloud services	M-03	We will create and configure the IBM cloud services which are being used in completing this project	Yes
Develop a python script to publish and subscribe to IBM IOT platform	M-04	We will develop the python script to publish the data and subscribe the data from the IBM Watson IOT platform	Yes
Develop A Web Application Using NodeRED Service	M-05	A Web UI will be created in Node-RED using dashboard nodes available in it	Yes
Ideation phase	M-06	Prepare Literature Survey on the selected Project and Information Gathering, empathy map and ideation	Yes
Project design phase-I	M-07	Prepare Proposed solution,problem-solution fit and Solution Architecture	Yes
Project Design Phase-II	M-08	Prepare Customer journey functional requirements, Data Flow diagram and Technology Architecture	Yes
Project Planning Phase	M-09	Prepare Milestone list, Activity list and Sprint Delivery Plan	Yes
Project Development Phase	M-10	Project Development delivery of Sprint 1, Sprint 2, Sprint 3, Sprint 4	Yes

## ACTIVITY LIST

Activity number	Activity	Sub activity	Assigned member	Status
1.	Prerequisite	1.IBM cloud services 2.software	Vinayaga moorthy Vimal karthik	In-progress
2.	Project Objectives		Vinayaga moorthy Vimal karthik Vishal Charan Rohith	In-progress
3.	Create and configure IBM cloud services	1.Create And Configure IBM cloud services Create 2.Node-RED service	Vinayaga moorthy Vimal karthik Vishal Charan Rohith	In-progress
4.	Develop a python script To publish And Subscribe To IBM IOT platform	1.Develop the Python code 2.Publish data to the IBM cloud	Vinayaga moorthy Vimal karthik Vishal Charan Rohith	In-progress
5.	Develop A Web Application Using NodeRED Service	1.Develop The Web Application Using Node-RED 2.Use Dashboard Nodes For Creating UI(Web App)	Vinayaga moorthy Vimal karthik Vishal Charan Rohith	In-progress
6.	Ideation phase	1.Literature Review. 2.Empathy map. 3.Ideation	Vinayaga moorthy Vimal karthik Vishal Charan Rohith	Completed
7.	Project design phase-I	1.Proposed Solution 2.Problem solution fit. 3.Solution Architecture.	Vinayaga moorthy Vimal karthik Vishal Charan Rohith	Completed
8.	Project Design Phase-II	1.Customer journey. 2.Functional requirement. 3.Data flow Diagrams. 4. Technology Architecture.	Vinayaga moorthy Vimal karthik Vishal Charan Rohith	Completed
9.	Project Planning Phase	1.Prepare milestones and activity list. 2.Sprint delivery plan	Vinayaga moorthy Vimal karthik Vishal Charan Rohith	Completed
10.	Project Development Phase	1. Project development-Delivery of Sprint-1 2.Project development-Delivery of Sprint-2. 3.Project development-Delivery of Sprint 3. 4.Project development-Delivery of Sprint-4.	Vinayaga moorthy Vimal karthik Vishal Charan Rohith	In-progress