Real-Time River Water Quality Monitoring and Control System

PROJECT PLANNING PHASE

MILESTONE & ACTIVITY LISTS

TITLE	DESCRIPTION	DATE
Literature Survey on The Selected Project and Information Gathering	A Literature Survey is a compilation summary of research done previouslyin the given topic. Literature survey can be taken from books, research paper online or from any source	18 September 2022
Prepare Empathy Map	Empathy Map is a visualization tool which can be used to get a better insight of the customer.	19 September 2022
Ideation-Brainstorming	Brainstorming is a group problem solving session where ideas are shared, discussed and organized among the team members	19 September 2022
Define Problem Statement	A Problem Statement is a concise description of the problem or issues aproject seeks to address. The problem statement identifies the current state, the desired future state and any gaps between the two.	20 September 2022
Problem Solution Fit	This helps us to understand the thoughts of the customer their likes, behavior, emotions etc.	26 September 2022

Proposed Solution	Proposed solution shows the current solution and it helps is going towards the desired result until it is achieved.	26 September 2022
Solution Architecture	Solution Architecture is a very complex process I.e. it has a lot of sub-processes and branches. It helps in understanding the components and features to complete our project.	26 September 2022
Customer Journey	It helps us to analyze from the perspective of a customer, who uses our project.	08 October 2022
Functional Requirement	Here functional and nonfunctional requirements are briefed. It has specific features like usability, security, reliability, performance, availability and scalability.	08 October 2022
Data Flow Diagrams	Data Flow Diagram is a graphical or visual representation using a standardised set of symbols and notations to describe business operations through data movement.	14 October 2022
Technology Architecture	Technology Architecture is a better defined version of solution architecture. It helps us analyze and understand various technologies thatneed to be implemented in the project.	14 October 2022
Prepare Milestone & Activity List	It helps us to understand and evaluate our own progress and accuracy so far.	22 October 2022
Sprint Delivery Plan	Sprint planning is an event in scrum that kicks off the sprint. The purposeof sprint planning is to define what can be delivered in the sprint and how that work will be achieved.	In Progress

S.NO	ACTIVITY TITLE	ACTIVITY DESCRIPTION	DURATION
1	Project prerequisite	Assign the team members and creation of repository in the Git-hub Assign the task to each members Utilization of git-hub and IBM career education.	1 WEEK
2	Starting of project	Creating and developing an model diagram based on project description and gather of information on IOT . Reference of existing projects and papers	1 WEEK
3	Attend class	Team members and Team leader 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	Analyze the use of IOT in the project and discuss with team for budget prediction to predict the favorability for the customer to buy	1 WEEK