Project Planning Phase
MILESTONES & TASKS

Date	15 November 2022
Team ID	PNT2022TMID46283
Project Name	Project - IOT Based Real-Time River Water Quality Monitoring and Control System
Maximum Marks	8 Marks

Literature Survey on The **Selected Project and** **Information Gathering**	A Literature Survey is a compilation summary of research done previously in the given topic. Literature survey can be taken from books, research paper online or from any source

Prepare Empathy Map	Empathy Map is a visualization tool which can be used to get a better insight of the customer.

Ideation-Brainstorming	Brainstorming is a group problem solving session where ideas are shared, discussed and organized among the team members
Define Problem Statement	A Problem Statement is a concise description of the problem or issues a project seeks to address. The problem statement identifies the current state, the desired future state and any gaps between the two

Problem Solution Fit	This helps us to understand the thoughts of the customer their likes, behaviour, emotions etc.

Proposed Solution	Proposed solution shows the current solution and it helps is going towards the desired result until it is achieved.

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.
Customer Journey	It helps us to analyse from the perspective of a customer, who uses our project.
Functional Requirement	Here functional and nonfunctional requirements are briefed. It has specific features like usability, security, reliability, performance, availability and scalability.

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.
Technology Architecture	Technology Architecture is a better defined version of solution architecture. It helps us analyse and understand various technologies that need to be implemented in the project.

Prepare Milestone & Activity List	It helps us to understand and evaluate our own progress and accuracy so far.
Sprint Delivery Plan	Sprint planning is an event in scrum that kicks off the sprint. The purpose of sprint planning is In Progress to define what can be delivered in the sprint and how that work will be achieved.