

Project Design Phase-I

Solution Architecture

Date	16 October 2022
Team ID	PNT2022TMID38365
Project Name	Real Time River Quality Monitoring and Control System
Maximum Marks	4 Marks

Solution Architecture:

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

- This project is an Internet of Things-based system for monitoring river water quality based on physical factors.
- Field Teams strategically place sensors at predetermined water areas to keep an eye on the waters within predetermined measurement ranges.
- Creation of innovative elements and inexpensive sensor technologies
- Setting parameters and responding quickly to environmental emergencies.
- Access is made possible by architecture, which also manages river water pollution.
- It assists water system administrators in socially identifying surface water hazards earlier.

Solution Architecture Diagram:

