

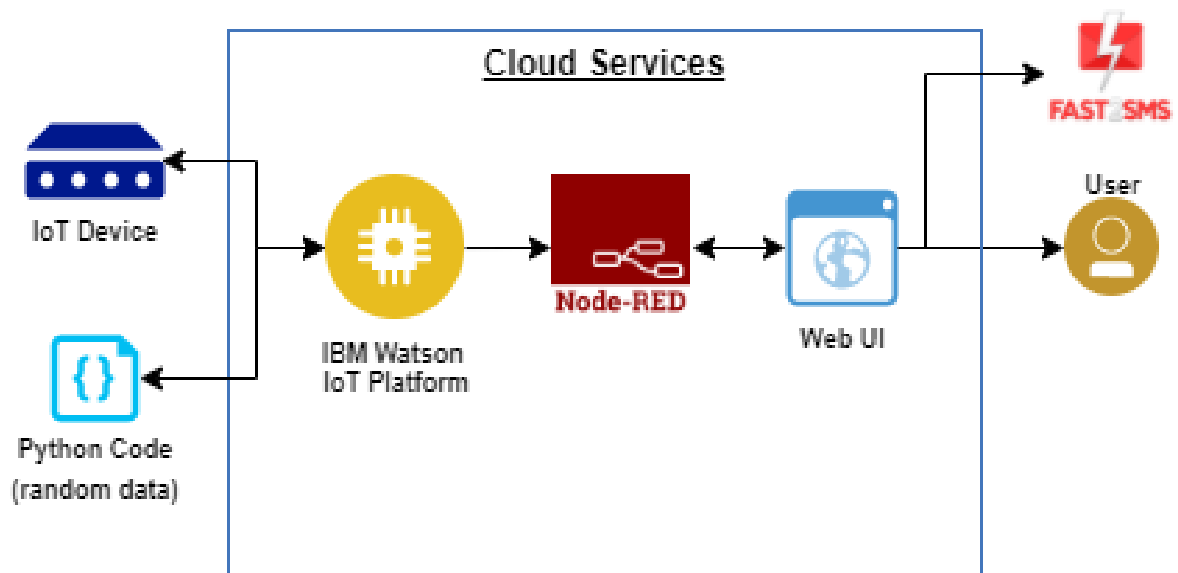
Project Design Phase-I Solution Architecture

Date	28 September 2022
Team ID	PNT2022TMID06691
Project Name	Real-Time River Water 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:

- Find the best tech solution to solve existing business problems.
- Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders.
- Define features, development phases, and solution requirements.
- Provide specifications according to which the solution is defined, managed, and delivered.



Create a web Application for monitoring and controlling the quality of river water



It Socially help water system managers. Identify threats to surface water earlier



Water pollution is a foremost global problem which needs ongoing evaluation and adaptation of water resource directorial



Detecting the dust particles, PH level of water, temperature to be monitored using sensor Network



Use the real time data to track the quality of the water and send a notification to the user about the collected data.



Upgrade the traditional method with IOT system



Altering the authorities, if the water quality is not good.
Alarm the user to not drink that water or not to use for other activities.