Project Design Phase-II
Technology Stack (Architecture & Stack)

Date	11 November 2022
Team ID	PNT2022TMID19640
Project Name	REAL TIME RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM
Maximum Marks	4 Marks

Technical Architecture:

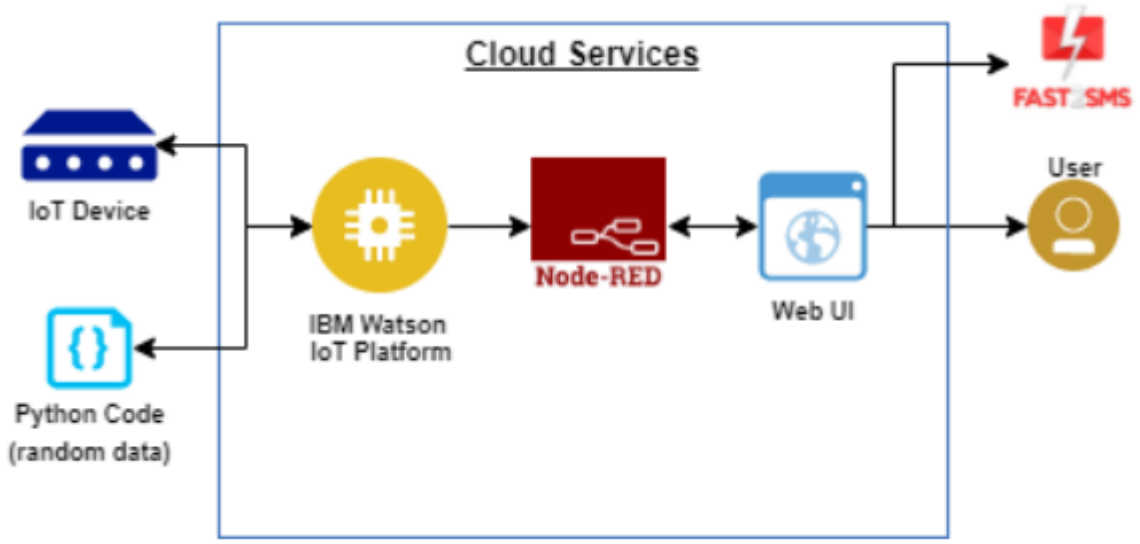

Table – 1 : Application Characteristics:

S. No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Online software tools	Node – Red, IBM Cloudant, IBM Watson IOT Platform, Tinkercad,
2.	Security Implementations	Only the authorised users can able to access the data	Encryptions technology is used in it.
3.	Scalable Architecture	This project is scalable because it covers a particular zone	IBM Watson IOT.
4.	Availability	The system is availability for 24/7 for the regular monitoring of quality water	Node – Red(Web UI), MIT App(Mobile App)
5.	Performance	This system works in low power and is highly efficient	IoT, Node RED, Wi-Fi module sensors.