Project Design Phase 1

Solution Architecture

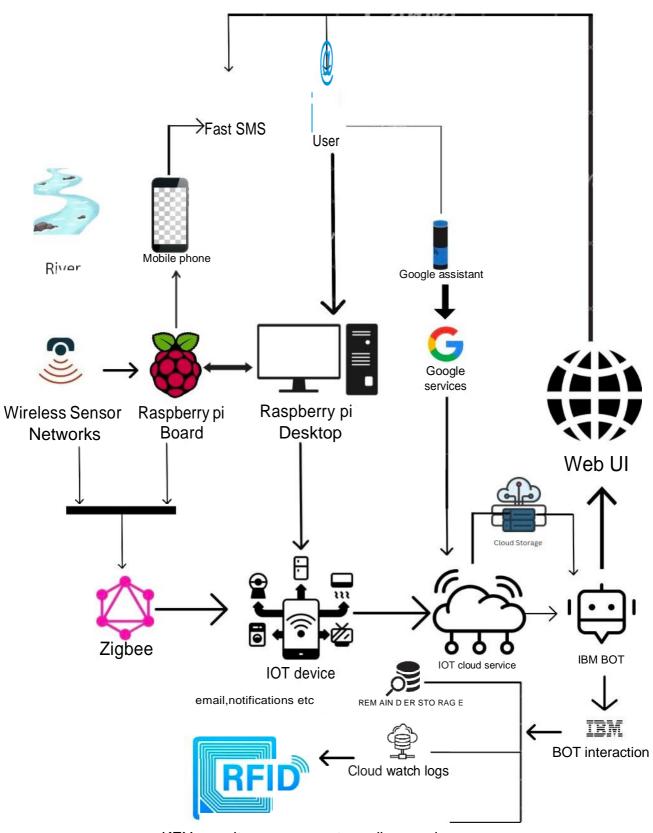| Date	17 October 2022
Team ID	PNT2022TMID47935
Project name	Project-Real Time River Water Quality Monitoring And Control System
Maximum Marks	2 marks

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.

Solution Architecture Diagram:

Fast SMS

River

Mobile phone

User

Google assistant

Wireless Sensor Networks

Raspberry pi Board

Raspberry pi Desktop

Google services

Web UI

Cloud Storage

Zigbee

IOT device

IOT cloud service

IBM BOT

email,notifications etc

REM AIN D ER STO RAG E

IBM

BOT interaction

RFID

Cloud watch logs

KEY security management   audio record