**Project Design Phase-I Solution Architecture**

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| Date | 19 September 2022 |
| Team ID | PNT2022TMID35929 |
| Project Name | Real time river water monitoring and control  system |
| Maximum Marks | 4 Marks |

Solution Architecture Diagram:

MICROCONTROLLER

BOARD

(ARDUINO UNO BOARD)

CO2 SENSOR

POWER SUPPLY

TEMPERATURE SENSOR

LCD DISPLAY

pH SENSOR

TURBIDITY SENSOR

WiFi MODULE

(NodeMCU)

CLOUD DB SERVER

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SYSTEM APPLICATION

(web app, sms)