

# TEAM-4

## LITERATURE SURVEY

| S.NO | PUBLISHED YEAR | TITLE   | COMPONENTS & TECHNOLOGY  | DRAWBACK   |
|------|----------------|---|--|--|
| 01   | 2018           | Real-Time Water Quality Monitoring System   | IoT, Raspberry Pi, ADC, Sensors, Buzzer LED.                                     | * Issues in Raspberry Pi may cause the entire system to collapse   |
| 02   | 2019           | IoT Based Real-time River Water Quality Monitoring System                           | IoT, Wireless Sensor Network, Arduino Uno R3, Big Data Analytics, Neural network | * Regular maintenance required<br>* Any issues in wifi may cause delay in sms alert                        |
| 03   | 2020           | Smart Water-Quality Monitoring System based on enabled Real-Time Internet of Things | IoT, WSN, PLC, Arduino Atmel A Tmega 2560,                                       | * Issues in generating data in real time<br>* Cost of the entire system increases based on geography       |
| 04   | 2021           | IoT based Smart Water Quality Monitoring System                                     | IoT, Arduino Uno, WSN, FPGA, Zigbee  | * Latest sensors are not used. (for detecting various parameters)<br>* Rechargeable batteries are not used |