IDEATION PHASE

Literature Survey

**Real-Time River Water Quality Monitoring and Control System**

Team ID:PNT2022TMID41957

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| AUTHOR | DESCRIPTION | PAPER TITLE | YEAR |
| Sami O. Osman,  Mohamed  z.Mohamed,  Alzain M. sullman,  Amjed A. mohammed | The author proposed the working of different sensors to be used in the purification process in order to obtain the desired result. | “Working of the pH module with the Arduino” | 2018 |
| Meghana M,  Kiran Kumar B .M,  Ravikant Verma,  Divya Kiran | The author discussed about data and calibrate it with the various sensors. | “Data acqulsition and calibration” | 2019 |
| Dr. Nageswara Rao  Mopathi,  Ch. Mukesh,  Dr. P. Vidya Sagar | The author proposed the integrated connections of all the different sensors such as PH and turbidity sensors and how they function with each other in order to ensure the proper purification of water | “Integration of different comphonents” | 2018 |
| Tarun Agrawal,  Mohamaad Abdul  Qadeer | The author discussed the integration of the GPS module with the Arduino UNO and also how the callbration of the module helps in pin pointing out the desired location | “Working of the  GPS module” | 2017 |

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| AUTHOR | DESCRIPTION | PAPER TITLE | YEAR |
| Jaba Anandh .S | Proposed on findings show that the system is capable of reading physiochemical parameters and processing, transmitting , and displaying the data and is shown to work within a accuracy ranges | Smart and low cost  Real Time Water  Quality Monitoring  System Using IOT | 2019 |
| Hussein J.Kadim, Faik K. Obaed, Hayder M. Rashid | Polluted water may cause a variety of diseases in the ecosystem’s life cycle. A Proposed smart and low- cost, high-efficiency IoT appliance water quality pH, TDS and tubidity continuously checked | Water Quality Detection Using cost effective sensor based on  IoT | 2022 |
| Kartik  Mageshwari,  Adrija  Chakaborty | This proposed system has successfully improvised an intelligent water quality monitoring system .the system can be monitored from a PC and is also capable of sending a smart alert through IFTTT | Water Quality  Monitoring System  Implemented With  IoT | 2021 |
| Jayti Bhatt  Jignesh patoliya | This system consists some sensors, Raspberry pi, Zigbee protocol which measures water quality and sensors data can view on internet browser application using cloud computing | Real Time Water Quality monitoring system | 2016 |

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| AUTHOR | DESCRIPTION | PAPER TITLE | YEAR |
| Dr .Prasannakumar | Proposed an sensor can be used to monitored Turbidity ,  Ph levels and future Improvement monitoring in Oxygen  ,COD,BOD,  Amonia levels | Real-Time Water  Quality Monitoring  System for  Vrishabhavathi River of  Bengaluru | 2019 |
| S. Geetha  S. Gouthami | Proposed on the Water  Monitor in Power Efficient ,Alert to a remote user in low Cost and Less Complex | Internet of things enabled real time water quality monitoring system | 2017 |
| Darko Babunski  Atanasko Tuneski | Proposed on Protection of the natural Water resources is continues  monitoring is Completely independent real-time  measuring in industrial  SCADA | SCADA System for Real-  Time Measuring and  Evaluations of River  Water Quality | 2016 |
| Brinda Das  P .C .Jain | Proposed on officials can Keep track of the levels of pollution occurring in the water bodies and immediate warnings in Zigbee module transmit in public | Real-Time Water  Quality Monitoring System Using Internet of Things | 2017 |