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| S.No | Journal Name Author Name | Publishing Year | Algorithm | Summary |
| 1. | Proposition of New Ensemble Data-Intelligence Models for Surface Water Quality Prediction   1. Ali Omran Al-Sulttani 2. Mustafa Al-Mukhtar 3. Ali B Roomi 4. Aitazaz Farooque 5. Khaled Mohamed Khedher 6. Zaher Mundher Yaseen | 2021 | 1. QUANTILE REGRESSION FOREST (QRF) MODEL 2. RANDOM FOREST (RF) MODEL 3. SUPPORT VECTOR MACHINE (SVM) MODEL 4. STOCHASTIC GRADIENT BOOSTING (GBM) MODEL | These models were considered in this work as a robust approach towards the prediction of WQ parameters rather than relying on laboratory analysis. |
| 2. | Analysis of the Water Quality Monitoring System   1. Lakshmanan, Jesudoss A 2. Sivasangari A 3. Sardar Maran and Mercy Theresa M | 2020 | ---- | The water quality will be checked by the Ph and turbidity sensors which are connected to the Node MCU microcontroller. The data is collected and is sent to the cloud for storage. |
| 3. | Quality Risk Analysis for Sustainable Smart Water Supply Using Data Perception   1. Di Wu 2. Hao Wang 3. Hadi Mohammed 4. Razak Seidu | 2019 | 1. Water quality frequency domain analysis algorithm 2. Water quality prediction algorithm | Traditional monitoring and risk control methods are difficult to detect bacteria broadcast on time and provide efficient decision support. In this paper, we propose an approach for water quality risk early warning using data perception |
| 4. | Internet of Water Things: A Remote Raw Water Monitoring and Control System   1. ABÍLIO C. DA SILVA JÚNIOR 2. ROBERTO MUNOZ 3. MARÍA DE LOS ÁNGELES QUEZADA 4. ALOÍSIO V. LIRA NETO 5. MOHAMMAD MEHEDI HASSAN 6. VICTOR HUGO C. DE ALBUQUERQUE | 2020 | 1. Multitasking Algorithm 2. Simulation | Discusses IoT-based sensor networks for real-time water quality monitoring. |

Abstract :-

* Now a days many people are suffering from dangerous diseases which are caused due to impure water. In our project we are doing analysis for water quality monitoring system, it gives data about the quality of water, on a webpage.
* The quality of water is determined using various sensors like PH sensor and turbidity sensor, connected to the Arduino family microcontroller.
* The data will be transferred constantly from the remote sensor organize through microcontroller and wifi.
* The total data regarding the purity of water is displayed in the webpage and is analysed in the form of graph, pie chart and values are given in the table. We transfer this information to cloud and clients can get to this information through web page application, client from anyplace can screen the data whenever.

Conclusion :-

* In the proposed system water quality is analysed using certain parameters like pH value , hardness , solids , chloramines , sulfate , conductivity , organic\_carbon , trihalomethanes , turbidity and potablity