TEAM ID	PNT2022MID31710
PROJECT	Real-Time River Water Quality
NAME	Monitoring and Control System
DATE	10/11/2022

	UBLICATION ETAILS	METHO	DOLOGY /ALGORITHMS	MERITS		DEMER	ITS
Automatic In Control Co and Se Monitor Co Water Co	18 First international onference on ecure Cyber omputing and ommunication CSCCC)		The design model has worked on the wireless sensors system to find out the quality measures of water. It implements PH, Turbidity, ultrasonic and temperature sensors for providing good quality of water in tank.		Inexpensive (<\$1,000) and easy to use Fast response times Not influenced by color or turbidityCost efficient		Low resolution, accuracy, and precise Subject to ionic interferences
quality C. monitoring using Ka wireless D. sensor CN networks: Current trends and (T	. S. Adu-Manu, .Tapparello, W. leinzelman, F. A. atsriku, and J b. Abdulai M Transactions n Sensor letworks FOSN), vol. 13, . 4, 2017		Survey of the current state of the art in the design and implementation of WSN- based WQM systems.  Describing a framework for WSN-based WQM systems and discussing the technologies used at each stage in the monitoring process		Modern smart water monitoring systems analyze data continually and instantly alert users to changes in the system, giving peace of mind. Improved accuracy of measurements, If sampling is the sole way that water quality Is checked.		As it is wireless in nature, it is prone to hacking by hackers. It can not be used for more speed communication as it is designed for loess speed applications.

Smart Sensor Node of WSNs for River Water Pollution Monitoring System	2019 International Conference on Advanced Communication Technologies and Networking (CommNet), 2019, pp. 1-5, doi: 10.1109/COMMNET.2019. 8742371.	☐ The authors have utilized Wireless Sensor Networks (WSN) and have exploited the advantage of its interoperability and communication to multiple sensors. ☐ With this, they have also monitored the water level and flow rate for the purpose of generating flood alerts	□ Accurate pollution detection. □ Using WSN for to communicate easily	Process is difficult in bigger scale.
An IoT Based Smart Water Quality Monitoring System using Cloud	Ajith Jerom B and Manimegalai R 2020 International Conference on Emerging Trends in Information Technology and Engineering (ic- ETITE)	□ The proposed system monitors the quality of water relentlessly with the help of IoT devices, such as, Node MCU □ The prototype is designed in such a way that it can monitor the number of pollutants in the water. Multiple sensors are used to measure various parameters to assess the quality of water from water bodies. □ The results are stored in the Cloud, deep learning techniques are used to predict whether the water suitable.	□ Cost efficient □ Analyse the problem in each part quality system	Less accuracy