LITERATURE SURVEY:

TITLE	AUTHOR	PUBLICATION	CONTENTS
Smart Automatic Control and Monitor Water Purification Using Wireless Sensor System	Rajesh T. Nakhate, Manoj R.Sayankar, and Bhupesh B. Lonkar	2018 First International Conference on Secure Cyber Computing and Communication (ICSCCC)	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. The system connects with the microcontroller to take the inputs from the sensors and controller to perform the operation on given inputs.
Application of NB-IoT Technology in City Open Water Monitoring	Guangming Zheng, Jingxian Zhou and Zhaojun Gu	2020 6th International Symposium on System and Software Reliability (ISSSR)	Aiming at the disadvantages of existing water quality monitoring methods such as high node power consumption and small coverage, this paper proposes an online water quality monitoring system scheme using NB IOT protocol communication.
Water quality monitoring system based on Internet of Things	Chengcheng Zhang, Jian Wu and Jiancheng Liu	2020 3rd International Conference on Electron Device and Mechanical Engineering (ICEDME)	This solution integrates the design of STM32 singlechip microcomputer, sensors, WiFi wireless transmission and remote water quality management. The system uses sensors to monitor water quality turbidity, pH value, temperature and other parameters, and uploads the data to the management center through

			wireless communication.
Research and Application of Water Quality Evaluation of a Certain Section of Yangtze River Based on Fuzzy Neural Network	Hongxiang Sun and Yuanhua He	2017 International Conference on Industrial Informatics - Computing Technology,Intelligent Technology, Industrial Information Integration	In this paper, the water quality evaluation model is proposed by using the effective T-S fuzzy neural network (FNN), which satisfies the randomness, fuzziness and diversity of the water environment, so that the tested water environment can be evaluated reasonably. evaluating water quality is provided through its water quality evaluation.
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, NodeMCU.. 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

Smart Water Quality Monitoring and Metering Using Lora for Smart Villages	Anto Merline Manoharan and Vimalathithan Rathinasabapathy	2nd International Conference on Smart Grid and Smart Cities	The objective of the work is to monitor water quality, distribution, usage in Potable water and Chemical leakage detection in rivers, etc using M2M-LoRa. The proposed work is mainly for Smart Village Projects.
Development of Water Quality System to Monitor Turbidity and Temperature of Water Using GSM Module	Suzi Seroja Sarnin, Athirah Bt. Hussein and Danial B. Zahidi	Proceeding of the 2020 IEEE 5th International Symposium on Telecommunicatio n Technologies (ISTT)	This system is aimed to check the temperature of the water and to monitor the turbidity level in the water. Today, Remote Sensing (RS) techniques are used for monitoring, collecting and analyzing data in different areas of research.. With the presence of Smart Monitoring System of Turbidity and Temperature of Water, the ease to monitor the environment is expected to be achieved to improve water quality.
Water quality monitoring using wireless sensor networks: Current trends and future research directions	K. S. Adu-Manu, C.Tapparello, W. Heinzelman, F. A. Katsriku, and J.-D. Abdulai	ACM Transactions on Sensor Networks (TOSN), vol. 13, p. 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.

Sensor based water quality monitoring system	B. Paul	BRAC University, 2018	Causes and effects of water pollution is presented, and comprehensive review of different methods of water quality monitoring and an efficient IoT based method for water quality monitoring has been discussed.
Smart Risk Assessment Systems using Belief- rule-based DSS and WSN Technologies	K. Andersson and M. S. Hossain	International Conference on Wireless Communications, Vehicular Technology, Information Theory and Aerospace and Electronic Systems	Described how a smart risk assessment system using belief-rule-based expert systems and WSN technologies could be built