Real-Time River Water Quality Monitoring and Control System

Project Title	Real Time River Quality Monitoring and Control System
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Functional Requirements:

Business Requirements	User Requirements	Product Requirement
The main aim is to develop a system for continuous monitoring of river water quality at remote places using wireless sensor network with low power consumption, low-cost and high detection accuracy. PH, conductivity, turbidity level, etc. are the limits that are analyzed to improve the water quality.	Though neural networks are prone to over fitting, the neural network model used in water quality monitoring system is not complex enough to cause over fitting problem. Also, there are many countermeasures to avoid over fitting. Also, computation overload is not going to delay the response of system as there are	Real-time monitoring of water quality by using IoT integrated Big Data Analytics will immensely help people to become conscious against using contaminated water as well as to stop polluting the water. The research is conducted focusing on monitoring river water quality in real-time.

	only a few water quality parameters	