Project Objective:

Real time data access can be done by using remote monitoring and meat of Things (IoT) technology Data collected at the apart site can be displayed in a visual format on a server PC with the help of Spark streaming analysis through Spark MLlib. Deep learning neural network models Belief Rule Based (BRB) system and is also compared with standard values. Also it assures low cost efficient water quality monitoring and control over river water Since its battery coated, it is much safer for the locally and people to use the river water that has low rate of electrical shocks as the battery completely insulated and Rechargable so that the system is continuous By using this product people can predict analyse the hardness of water and also the factors like temperature and turbidity of water for having a safe drinking and water with better consistency to house hold purposes. Since water le an essential compound in our daily basis intake of it in an heathy manner is provided by our cost efficient quality monitoring and control system which is market affordable and greatly life saving factor for people using river water. The environment around consists of five key elements eg., soil, water, climate natural vegetation, and landforms. Among these water is the utmost crucial element for human life. It is also vital for the persistence of other living habitats. Whether it is used for drinking, domestic use, and food production or recreational purposes, safe and readily available water is the need for public health.

So, it is highly imperative for us to maintain water quality balance. Otherwise, it would severely damage the health of the humans and at the same time affect the ecological balance among other species Water pollution a foremost global problem which needs ongoing evaluation and adaptation of water resource directorial principle at the levels of international down to individual wells. It has been studied that water pollution is the leading cause of mentalities and diseases world wide

The records show that more than 14,000 people die daily worldwide due to water pollution. In many developing countless dirty or contaminated water is being used for drinking without any proper prior treatment. One of the reasons for this happening is the ignorance of public end administration and the lack of water quality monitoring system which makes serious health issues.

In this paper we depict the design of Wireless Sensor Network (WSN) that assists to monitor the quality of water with the support of information sensed by the sensors dipped in water Using different sensors this system can collect various parameters from water, such es pH dissolved oxygen turbidity, conductivity, temperature, and so on. The rapid development of WSN