**“To Design and implementation of Embedded**

**Edge processing Water quality monitoring**

**system based on IOT”**

**Ms. Rani Anand Jibhekar**

**Prof. Rahul Dhuture (Asst. Professor) Prof. Mayuri Harde (Asst. Professor)**

**Department of Electronics & Communication Engineering**

Tulsiramji Gaikwad Patil College of Engineering & Technology, Nagpur

# Abstract

Water quality monitoring plays a significant part in the transition towards intelligent

and smart agriculture and provides an easy transition to automated monitoring of

crucial components of human daily needs as new technologies are continuously

developed and adopted in agricultural and human daily life (water). For the

monitoring and management of water quality, this effort, however, requires reliable

models with accurate and thorough datasets. Analyzing water quality monitoring

models by utilizing sensors that gather water properties during live experiments is

possible due to the necessity for precision in modeling.Internet of Things (IoT)-based

approach for real-time water quality monitoring using NodeMCU, a low-cost

open-source IoT platform. The proposed system employs various sensors to measure key water quality parameters.