# ABSTRACT

"Modern Fish Farming Aqua Resource Management Using IoT"

Andhra Pradesh is in 1st rank in the production of fish in India which is rich source of vitamins, minerals, protein, nutrients and micronutrients. Farmers found it difficult to manage aqua farms and achieve good yields since we were unable to foresee the water conditions. As a result, an IoT-based solution has been presented that will provide farmers with the real-time, accurate information they need to monitor and maximize their production level. Utilizing water flow control sensors, the architecture of a contemporary aquaculture management system examines water quality and modifies water parameters in real-time. This system comprises of many sensors that gauge temperature, turbidity, pH, and other aspects of the water quality. A microcontroller processes the measured sensor readings and displays changes in Arduino Cloud.

## Key Words:

1. IoT(Internet of Things)
2. pH(Potential of Hydrogen)
3. Microprocessors
4. Turbidity
5. Dissolved oxygen