

# **Auto Water Level Controller**

**Dherange Nikhil Namdev<sup>1</sup>, Narawade Gaurav Balasaheb<sup>2</sup>,  
Sonawane Aryan Nitin<sup>3</sup>, Adinath Shankar Satpute<sup>4</sup>**

Department of Electronics and Telecommunication<sup>1-4</sup>

Samarth Polytechnic, Belhe, Pune

dherangenikhil2@gmail.com, narawadegaurav87@gmail.com,

sonawanearyan183@gmail.com, 0992hodej@gmail.com

**Abstract:** *The Auto Water Level Controller is a system that helps control the water level in a tank automatically. It uses sensors to check how much water is in the tank and turns the motor ON when the water is low and OFF when the tank is full. This system saves water, electricity, and protects the motor from damage. It reduces the need for manual checking and makes water management easier and more efficient. The system can be used in homes, buildings, and farms to ensure a constant water supply without wastage.*

**Keywords:** Auto Water Level Controller, Water Level Monitoring, Ultrasonic Sensor, Float Sensor, Relay Module, Arduino, Motor Pump, Microcontroller, Automation System, Water Management, Smart Water Control, Liquid Level Detection, Overflow Protection, Dry Run Protection, Energy Saving, IoT-based System, Home Automation, Smart Tank System, Automatic Pump Control, Sustainable Technology

