A

Report on

WATER LEVEL INDICATOR

A report submitted for the partial fulfillment of the requirements for Mini Project of

BACHELOR OF TECHNOLOGY
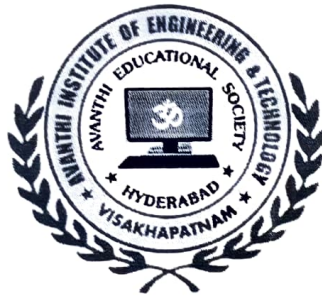
IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

VEGI MEGHANA (20815A0428)

Under the guidance of

Mr K V S Ganesh Mtech

Assistant Professor

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

TAMARAM, MAKAVARAPALEM, NARSIPATNAM-531113

2021-2022

AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

Tamaram, makavarapalem, narsipatnam road, Visakhapatnam dist-531113

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

MINI PROJECT

(WATER LEVEL INDICATOR)

BY

NAME: VEGI MEGHANA

REG NO:20815A0428

INTERNAL COORDINATORS

EXTERNAL EXAMINER

HOD, ECE

WATER LEVEL INDICATOR

ABSTRACT

The drinking water crisis in India is reaching alarming proportions. It might very soon attain the nature of global crisis. Hence, it is of extreme importance to preserve water. In home based water tank, the one problem is very common to us that the control of water level of overhead tank, as a result the wastage of water is increasing day by day. But we all know water is very precious to us. This problem can be controlled by a simple electronic circuit consists with some cheap electronic components, that circuit is called 'Water Level Indicator'. The operation of water level controller works upon the fact that water conducts electricity. So water can be used to open or close a circuit. As the water level rises or falls, different circuits in the controller send different signals. These signals are used to switch ON or switch OFF the motor pump as per our requirements. Water Level Indicator is a simple low cost circuit. First we introduced this circuit from the web. There the circuit is made with various components like transistors (BC547.BC548) Resistors, Led's and etc. After we discussed that how to make the circuit without transistors and after we calculate that we got the result, beside we got help from our teacher about this circuit. At last we got a simple circuit without transistor and it shows result. We removed the transistors to make the circuit cheap and easy installation to all. The other liquid control circuits, which we have seen those are very critical than this circuit.