

CONSTRUCTION OF AN AUTOMATIC

WATER LEVEL CONTROLLER

BY

ECHEBIRI CHINAZO NNAMDI

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APPROVAL PAGE

This project was written by ECHEBIRI.N. CHINAZO of the department of Electrical Electronic Engineering, Caritas University, Amorji Nike, Enugu State

PROF. G.C OCHIAGHA

PROJECT SUPERVISOR

DATE

ENGR. C.O. EJIMOFORDATE

HEAD OF DEPARTMENT

EXTERNAL EXAMINER

DATE

DEDICATION

This project work is dedicated to God almighty for the strength and wisdom he gave me in writing this project report.

ACKNOWLEDGEMENT

In the eyes of men lies the fear that it shall not come to pass, but with divine inspiration success prevails. Therefore, unto Almighty God are the glory, honor, power and majesty for great things he has done. Great is his Name.

My profound gratitude goes to my supervisor, Prof. G.C Ochiagha. For his fatherly advice and guidance that made this project a reality.

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Chinazo Echebiri

ABSTRACT

The project design and construction of an automatic water level controller is aimed at realizing a simple, portable cost effective system capable of controlling the water level in an overhead water tank. This project report details the construction processes employed in implementing the project design, step, techniques and approaches employed to see to the effective implementation of components and strict adherence to stipulated measurements to reduce the error coefficient to the barest minimum. Attempt were made to describe the functional unit that make up the project such as the power supply section, control section, indicator section and the load protection section. The system works both in an automatic and in a manual state detecting and controlling the water level in an overhead tank with the aid of a floating switch. The floating switch is placed inside the overhead tank; it floats on the water and thereby detecting the level of water in the tank. Once the water level goes very low the floating switch sends a high signal to the motor to energise it thereby initiating the pumping of water.

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