A

Project Report

On

WIRELESS RF WATER LEVEL INDICATOR & CONTROLLER

Submitted to

Department of

ELECTRONICS & COMMUNICATION ENGINEERING

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SUMATHI REDDY INSTITUTE OF TECHNOLOGY FOR WOMEN

(Approved by AICTE, New Delhi, Affiliated to JNTUH, Accredited by NBA)

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2022-23

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the project entitled **"WIRELESS RF WATER LEVEL INDICATOR & CONTROLLER"** carried out by the following students of **III Year B.Tech** in **Electronics and Communication Engineering** during the academic year 2022-23.

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ABSTRACT

Wireless RF Water Level Indicator & Controller elucidates a radio frequency (RF) based transmission and reception system used to remotely monitor and control the water level of an overhead tank placed away from the pump and controller. It uses two Radio Frequency transceivers along with a controller each installed at the overhead tank and the sump (reservoir).It is completely automated with the help of microcontroller which receives signals from the transmitter, interprets and effectively communicates the status of the water overhead tank and water pump mode to the user or operator via Led. Similarly, the control unit of the prototype performs automatic switching control of on and off on a water pump. It also incorporates LED indicates water level 100% thus causing the pump to be switched off but when water level drops below 25% the pump is then switched on.

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