

A Major Project Report on

POWER SAVING SYSTEM FOR ADVERTISEMENT HOARDINGS

Submitted to

Jawaharlal Nehru Technological University, Hyderabad

*In partial fulfilment of the requirement for
The award of degree of*

BACHELOR OF TECHNOLOGY

in

ELECTRONICS AND COMMUNICATION ENGINEERING

BY

Neerudu Nagalaxmi

196Y1A0471

Thumma Shrenitha

196Y1A0494

Messa Sahithi

196Y1A0419

Singireddy Niharika

196Y1A0483

Pammidi Alekhya

196Y1A0474

Under the esteemed supervision of
DR. M. GOPAL

Assistant Professor



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

SUMATHI REDDY INSTITUTE OF TECHNOLOGY FOR WOMEN

(Approved by AICTE, New Delhi; Affiliated to JNTU, Hyderabad)

Ananthasagar (Vill), Hasanparthy (M), Warangal-506371

Bejan

2022-2023

PRINCIPAL

Sumathi Reddy Institute of Technology for Women...
Ananthasagar (V), Hasanparthy (M)
WARANGAL - 506 371 (T.S.)



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the major project entitled "POWER SAVING SYSTEM FOR ADVERTISEMENT HOARDING" submitted to JNTUH is carried out by the following students of IV B.Tech in the partial fulfilment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering during the academic year 2022-2023.

Neerudu Nagalaxmi

196Y1A0471

Thumma Shrenitha

196Y1A0494

Meesa Sahithi

196Y1A0419

Singireddy Niharika

196Y1A0483

Pammidi Alekhya

196Y1A0474



Dr. M. Gopal
Assistant Professor
Supervisor



Dr. K. Mahender
Associate Professor
Head of Dept., ECE



PRINCIPAL

Sumathi Reddy Institute of Technology for Women
Ananthasagar (V), Hasanparthy (M)
WARANGAL - 506 371 (T.S.)

ABSTRACT

This project is very useful for commercial sign boards, advertisement boards. This system switches on the lights only at preprogrammed timings. As the DS3231 Real Time Clock chip with battery back-up is used there will be no disturbances for the programmed on or off timings even in power failures. Three switches are provided for entering the required timings. These switches made this project user friendly. It is provided to display the alarm times and current time DS3231 is interfaced to the microcontroller for real timing performance. The user can once program these timings according to his required timings and these timings will be stored in DS3231 and cannot be erased unless the wishes to change it again.



Rijan

Principal

Sumathi Reddy Institute of Technology for Women
Ananthasagar (V), Hasanparthy (M)
WARANGAL - 506 371 (TS)