SMART POWER SAVING USING RASPBERRY PI

A TERM PAPER REPORT SUBMITTED IN PARTIAL FULFILMENT OF THE DEGREE OF

BACHELOR OF TECHNOLOGY

IN

INFORMATION TECHNOLOGY

BY

V BHANU HARSHITHA (19K61A1250)

UNDER THE ESTEEMED GUIDANCE OF

G NAGESHWARA RAO

ASSOCIATE PROFEESOR

DEPARTMENT OF INFORMATION TECHNOLOGY

SASI INSTITUTE OF TECHNOLOGY & ENGINEERING

ACCREDITED BY NAAC WITH 'A' GRADE RECOGNIZED BY UGC 2(F) & 12(B) (APPROVED BY AICTE, NEW DELHI, PERMANENTLY AFFLIATED TO JNTUK, KAKINADA AND SBTET-HYDERABAD, RANKED AS 'A' GRADE BY GOVT. OF. AP.)

KADAKATLA, TADEPALLIGUDEM – 534101

ACADEMIC YEAR 2021-2022

CERTIFICATE

This is to certify that the **TERM PAPER** work titled **"Smart Power Saving Using Raspberry Pi"** is submitted by **V Bhanu Harshitha (19K61A1250)** in partial fulfilment for the award of Degree of **BACHELOR OF TECHNOLOGY in INFORMATION TECHNOLOGY** to the **SASI INSTITUTE OF TECHNOLOGY & ENGINEERING** during the academic year 2021-2022 is a record of Bonafide work carried out by them under our guidance and supervision.

Internal: **External:**

Head of the Department:

Dr. K Subhash Bhagavan M.Tech, Ph.D.

Associate Professor, HOD

Department of IT

DECLARATION BY THE CANDIDATES

We **V Bhanu Harshitha (19K61A1250)** hereby declare the project report entitled **"Smart Power Saving Using Raspberry Pi"** under esteemed supervision of Mr. **G.Nageswara Rao,** is submitted in partial fulfilment of the requirements for the award of the degree of **Bachelor of Technology** in **Information Technology.** This is a record of work carried out by us and the results embodied in this Term paper have not been reproduced or copied from any source. The results embodied in this Term paper report have not been submitted to any other University or Institute for the award of any other degree or diploma**.**

V Bhanu Harshitha (19K61A1250)

<u>ACKNOWLEDGEMENT</u>

V Bhanu Harshitha (19K61A1250)

VISION AND MISSION OF INSTITUTE

VISION

Confect as a premier institute for professional education by creating technocrats who can address the society's needs through inventions and innovations.

MISSION

1. Partake in the national growth of technological, industrial, industrial area with societal responsibilities.

2. Provide an environment that promotes productive research.

3. Meet stakeholder's expectations through continued and sustained quality improvements.

VISION AND MISSION OF DEPARTMENT

VISION

To become recognized centre of Excellence for quality IT Education and create professionals with ability to solve social needs.

MISSION

1. To provide quality teaching learning environment that build necessary skills for employ-ability and career development.

2. To conduct training's/events for overall development of stakeholders with collaborations.

3. To impart value education to students to serve society with high integrity and good character.

4. Provide state of the art facilities to enable innovation, student centric learning.