



SRI VASAVI ENGINEERING COLLEGE (AUTONOMOUS)

(Sponsored by Sri Vasavi Educational Society)

(Approved by AICTE, New Delhi & Recognized by UGC under section 2(f) & 12(B))

(Permanently affiliated to JNTUK, Kakinada, Accredited by NBA and NAAC with 'A' Grade)

Pedatadepalli, TADEPALLIGUDEM – 534 101. W.G.Dist. (A.P)

Department of Electrical & Electronics Engineering (NBA Accredited)

2019-23 Project Batches

Section -A

Batch	Roll No.	Name of the Student	Project Guide	Title of the Project
A1	20A85A0205	BURUGUPALLI YAMINI DEVI	Dr. CH. RAMABABU	Smart Energy Monitoring System
	19A81A0216	GUTTA TEJA SREE		
	20A85A0227	KOTA NAGESWARARAO		
	20A85A0211	GADALA MOHAN SAI PAVAN		
A2	20A85A0236	MULAGALA SIVANI	Dr. SUDHA RANI DONEPUDI	Wireless Notice Board
	20A85A0230	KUSUMANCHI SHANMUKHA UMA SAINADH		
	20A85A0224	KILANI SAI DEEPAK		
	19A81A0206	BORRA DURGA VENKATA SATYA SRI HEMANTH		
A3	20A85A0202	ANDUKURI SUDEEP	Dr. ANILKUMAR CHAPPA	Sustainable Heating Systems for Traditional Food Processing
	20A85A0203	BODDU KIRAN BABU		
	20A85A0231	MALLULA VENKATA MAHESH		
	19A81A0219	KAMMILA JAYANTH		
A4	20A85A0207	CHELLINKI JOSHNA RATNAM	Mr. U. CHANDRA RAO	Electrical Rice Transplanter
	19A81A0222	KOTA VEERA SIVA SURYA		
	19A81A0209	DEVANA NAGA VENKAT SATISH		
	19A81A0218	KADALI HEMANTH NAGA VENKATA SAI KUMAR		
A5	19A81A0220	KARUTURI SPANDANA	Mr. N. SRI HARISH	IoT Based Intigrated Pack house for Post Harvesting Horticultural Products
	20A85A0225	KOKKIRALA DIVYA BHARATHI		
	19A81A0208	DANDRU SURENDRAKUMAR		
	19A81A0215	GUNA VENKATA DANESWARI		
A6	20A85A0208	DASARI TEJASWI	Mr. CH.V.S.R.GOPALA KRISHNA	Smart EV Charging Station by Hybrid Power Generation
	20A85A0201	ADDALA MURALIKAMESH		
	20A85A0212	GAGGALA PRADEEP SURYA		
	19A81A0203	ALAPATI BHARGAVA SAI		

A7	20A85A0214	GARIGIPATI DIVYA SAI	Mr. K. RAMESH BABU	Arduino Controlled Robotic Snake for Monitoring and Inspection
	19A81A0223	KOYI SATYA VENKATA AKHIL		
	19A81A0202	AKULA LALITHA RANI		
	19A81A0214	GUDLA NAGA DURGA MAHESH		
A8	19A81A0212	GARSIKUTI SUNIL KUMAR	Mr. K. SURESH	A Reduced Switch 7-Level Triple Boost Switched Capacitor Based Inverter
	19A81A0204	ANDE JANDHINI BHAVITHA		
	20A85A0206	CHEDE LAKSHMI VENKATA PRADEEP		
	20A85A0232	MANCHA BALA TRIPURA PRASANNA KUMAR		
A9	20A85A0235	MOHAMMAD MUSTAFA SIDDIQ ALIKHAN	Mr. M.T.V.L.RAVI KUMAR	Advanced Security Connection to Expensive Electrical Loads
	20A85A0222	KAROTHU BALAJI		
	20A85A0218	KADAJARAPU PAVAN KUMAR		
	20A85A0221	KANURI DILEEP		
A10	20A85A0216	JAYAVARAPU SAINADH CHAKRAVARTHI	Mr. V. RAMA NARAYANA	Selective Harmonic Elimination With Optimal DC Sources in Multilevel Inverters Using Particle Swarm Optimization Algorithm
	20A85A0215	GEDDA KARTHIK SAI DINESH		
	20A85A0233	MANDRU KIRAN BABU		
	20A85A0234	MEESALA SHANMUKHA SADDHAYI		
A11	19A81A0210	EEDARA GOPI	Mr. G.CHANDRA BABU	Control for Grid Connected and Intentional Islanded Operation of Distributed Generation
	20A85A0229	KURAKULA MANOHAR		
	19A81A0211	GAMINI PAVAN SRI SAI NAGARAJU		
	19A81A0217	JALAPARTHI ESWARA SAI BHASKAR		
A12	19A81A0201	ADAPA JAHA NAVI	Mr. G. MADHU SAGAR BABU	Solar Wireless EV Charging and Monitoring Station
	19A81A0221	KOMMINA RAKESH		
	20A85A0213	GARAGA MADHAVA SATYA SAIKUMAR		
	20A85A0209	DEVISETTI VEERA VENKATA PRASAD		
A13	20A85A0217	KADA VENKATA DURGA SAIBABU	Mr. G. GOVARDHAN	Smart Water Management System
	19A81A0213	GRANDHI DEVI SRI KAVYA		
	19A81A0207	CHINNAMSETTI DURGABHAVANI		
	20A85A0223	KETHA PAVAN KUMAR		
A14	20A85A0204	BONTHA KAVYA ROOPINI	Mr. A. UMA SIVA NAGA PRASAD	Biometric Based Voting System
	20A85A0220	KAMISSETTI CHANDRA MANIKANTA		
	20A85A0228	KUNA RAMA LAKSHMI		
	20A85A0210	DONGA JYOTHI BABU		

Section -B

Bat ch	Roll No.	Name of the Student	Project Guide	Title of the Project
B1	19A81A0229	MUTTA BHAVYA SRI TANMAYEE	Dr. CH. RAMABABU	Electric Vechicles Charging Station Locatorand Slot Booking
	20A85A0261	VENDRA SATYA LOHITH		
	20A85A0258	VEERAMALLU MOHITH KUMAR		
	19A81A0224	KURAPATI RAMAKRISHNA		
B2	19A81A0232	PASUPULETI LAKSHMI PRATHYUSHA	Dr. D. SUDHA RANI	Smart Water Management System
	19A81A0247	VELAGALA CHINNA VENKATA REDDY		
	20A85A0251	SANGA KRISHNA SAI		
	19A81A0238	SUGGISETTI BALA SOMA NAGA SURYA SRI GANESH		
B3	20A85A0248	PUDI MANISHA	Mr. U. CHANDRA RAO	Electric Rice Transplanter
	19A81A0241	TALLAPENTA VARSHINI		
	19A81A0225	MADASU VIJAYA DURGA		
	19A81A0231	NAYUDU SAI KRISHNA		
B4	20A85A0250	SANAPATHI SURYA PAVAN	Dr. E. NAGA VENKATA DURGA VARA PRASAD	DC Micro Grid Proctection
	20A85A0242	PEDDIREDDY LOKESH SAI PRASAD		
	20A85A0249	RAGANI SRINIVASU		
	19A81A0246	VEERAVALLI ISAAC VIJAY BABU		
B5	20A85A0244	PERURI NAGA SAI VARSHA	Mr. N. MADHUSUDHAN REDDY	Minimization of Frequency Deviation in Multi Area System Using FACTS Divices
	19A81A0230	NADIMPALLI SAIPRIYA		
	19A81A0240	SYPUREDDY SRUJANA		
	19A81A0236	RAYI SAI GANESH		
B6	20A85A0241	PECHETTI KUMARA SWAMY	Mr. S. KRISHNA	Automatic Vehicle Speed Limit Control Using RFID
	19A81A0227	MATTA JAYAVENKATARAO		
	19A81A0244	VALLABANENI AKHIL		
	20A85A0238	NEKURI HARI PRASAD		
B7	20A85A0257	VARAPULA BHASKARA BHARGAVI	Mr. CH. SRINIVAS	Minimization of Power Losses in the Distribution System
	20A85A0239	PALURI HARIKA		
	20A85A0237	NALLAGANGULA SRINU BABU		
	19A81A0234	PATHULA KRANTHI		
B8	19A81A0233	PATAMSETTI RISHITA LAKSHMI BHAVYA	Mr. M.M. SWAMI NAIDU	IoT Based Smart Mirror with News and Temperature
	20A85A0260	VEGIRAJU NARASIMHA RAJU		
	20A85A0240	PANDI VENKATA DURGA PRASAD		
	20A85A0252	SIRRA CYNTHIA MANVI		
B9	20A85A0254	TANGELLA BHARGAVA VENKATA KISHORE	Mr. DURGA R CH NAGESH	Solar Panel Automatic Cleaning
	20A85A0247	PONNAMANDA PAVAN KUMAR		

B7	20A85A0262	MALLULA P S S BUSHANAM NAIDU	MR. DURGA RAO MOORESH	System
	19A81A0242	TEAKUMUDI DATTA SIVA SAI SRI PRANEETH		
B10	20A85A0255	THEEDA MANI SAGAR	Mrs. G. JAJI SUDHA	Desing and Implementation of a Micro Controller Based Automatic Power Factor Rectification System
	20A85A0259	VEERAVALLI CHANDRASEKHARA SUBRAHMANYAM		
	20A85A0264	CHINTALAPUDI TEJASRI NAGA RATNA MANIKYAM		
	20A85A0256	VANKA NARENDRA KUMAR		
B11	19A81A0235	RAVURI TEJA VENKATA LAKSHMI DEVI	Mr. N. SANKAR	Selective Harmonic Elimination with Optimum DC Source in Multilevel Inverter Using an Evolutionary Algorithm
	20A85A0243	PENUMOLA YOHANU		
	19A81A0226	MANDA LEELA VENKATA SAI SIVA RAMA KRISHNA		
	20A85A0263	MADDUKURI PAVAN KUMAR		
B12	20A85A0253	TAMMA RAVI SANKAR	Mr. D. DHANA PRASAD	Implimentation of 5 level Boost Multilevel Inverter Based on Switched Capacitor Using SVM
	20A85A0245	PITCHUKA JAGADISH RAM DURGA RAO		
	19A81A0228	MUSUNURU HARISH		
	20A85A0246	POLIMERA ADISH		
B13	19A81A0237	SAMAYAMANTHULA DEEKSHITHA	Mr. SK. MOULALI	Intilgent Traffic Control for Emergency Vehicles Using RF Technology
	19A81A0243	TIRUMALA SRI GANESH		
	19A81A0239	SURAVARAPU NAGA MADHU VAMSI KUMAR		

Head of the Department

Dr. Sudha Rani Donepudi, M.E., Ph.D
Head of the Department
Electrical & Electronics Engineering
SRI VASAVI ENGINEERING COLLEGE
(Autonomous)

Department Vision:

- To evolve as a centre of excellence in Electrical and Electronics Engineering that produces graduates of high quality with ethical values.

Department Mission:

- To impart technical knowledge through learner-centric education supplemented with practical exposure.
- To provide opportunities that promote personality development through co-curricular and extra-curricular activities.
- To inculcate human values & team spirit that enables the Electrical and Electronics Engineers to face the future challenges.

A project report

on

SMART ENERGY MONITORING SYSTEM

Submitted in partial fulfilment of the requirements for award of the degree of

BACHELOR OF TECHNOLOGY

In

ELECTRICAL & ELECTRONICS ENGINEERING

Submitted by

B. YAMINIDEVI
(20A85A0205)

G. TEJASREE
(19A81A0216)

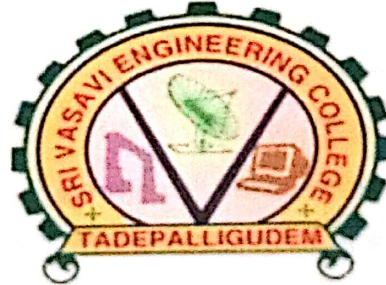
K. NAGESWARARAO
(20A85A0227)

G. MOHAN SAI PAVAN
(20A85A0211)

Under the Esteemed Guidance of

Sri.Dr.CH.RAMBABU, Ph.D., M.Tech.

Professor & Dean (StudentAffairs)



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

SRI VASAVI ENGINEERING COLLEGE

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Pedatadepalli, Tadepalligudem-534101, AP

2019-2023



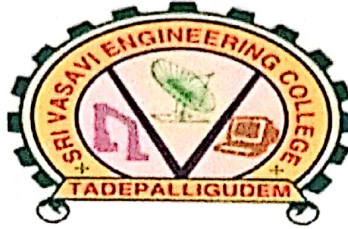
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Pedatadepalli, Tadepalligudem, A.P.-534101

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the Project report entitled "**SMART ENERGY MONITORING SYSTEM**" submitted by **B.YAMINIDEVI (20A85A0205), G.TEJASREE (19A81A0216), K.NAGESWARARAO (20A85A0227), G.MOHAN SAI PAVAN (20A85A0211)** in partial fulfilment of the requirements for award of the **Degree of Bachelor of Technology** in Electrical & Electronics Engineering, from Sri Vasavi Engineering College, Tadepalligudem Permanent affiliated to JNTUK, Kakinada is a record of bona fide work carried out by us

PROJECT GUIDE

Sri Dr. CH.RAMBABU, Ph.D., M.Tech.
Professor & Dean (Student Affairs)

HEAD OF THE DEPARTMENT

Dr.D.SUDHARANI, Ph.D., M.Tech.

EXTERNAL EXAMINER

A Project Report

On

WIRELESS NOTICE BOARD USING WIFI CARD

Submitted in partial fulfilment of the requirements for award of the degree of

BACHELOR OF TECHNOLOGY

In

ELECTRICAL & ELECTRONICS ENGINEERING

Submitted By

M. SIVANI
(20A85A0236)

K. S.U.SAINADH
(20A85A0230)

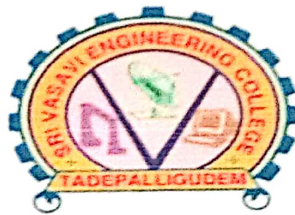
K. SAI DEEPAK
(20A85A0224)

B. D.V.S.S.HEMANTH
(19A81A0206)

Under the Supervision of

Dr. D. SUDHA RANI

Professor and HOD



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

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(Permanently Affiliated to JNTUK, Accredited by NBA & NAAC with 'A' Grade)

Pedatadepalli, Tadepalligudem, W.G. Dt., AP- 534101

2019-2023

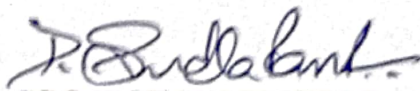
SRI VASAVI ENGINEERING COLLEGE (Autonomous)
(Permanently Affiliated to JNTUK, Accredited by NBA & NAAC with 'A' Grade)
Pedatadepalli, Tadepalligudem, W.G. Dt., AP- 534101


**DEPARTMENT OF
ELECTRICAL & ELECTRONICS ENGINEERING**



CERTIFICATE

This is to certify that the project entitled "**WIRELESS NOTICE BOARD USING WIFI CARD**" is being submitted for partial fulfilment of the requirement for the award of the degree of Bachelor of Technology in *Electrical & Electronics Engineering* from Sri Vasavi Engineering College, Tadepalligudem affiliated to JNTUK & accredited by NBA, is a record of Bonafide work carried out by M. SIVANI (20A85A0236), K.S.U.SAINADH (20A85A0230), K.SAI DEEPAK(20A85A0224), B.D.V.S.S.HEMANTH(19A81A0206) under my supervision and it has been verified and found satisfactory for acceptance according to requirement of the university. This work is not submitted to any other institution/university for the award of Degree.


PROJECT SUPERVISOR
(Dr. D. Sudha Rani)


HEAD OF THE DEPARTMENT
(Dr. D. Sudha Rani)


EXTERNAL EXAMINER

ii

A project report on

DEVELOPMENT OF MULTILEVEL INVERTER

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

In

ELECTRICAL AND ELECTRONICS ENGINEERING

By

ANDUKURI SUDEEP

(20A85A0202)

BODDU KIRAN BABU

(20A85A0203)

MALLULA VENKATA MAHESH

(20A85A0231)

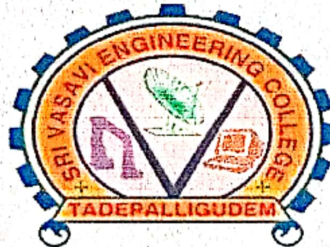
KAMMILA JAYANTH

(19A81A0219)

Under the Supervision of

Dr. Anilkumar Chappa, Ph.D., Associate Professor

Electrical and Electronics Engineering



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

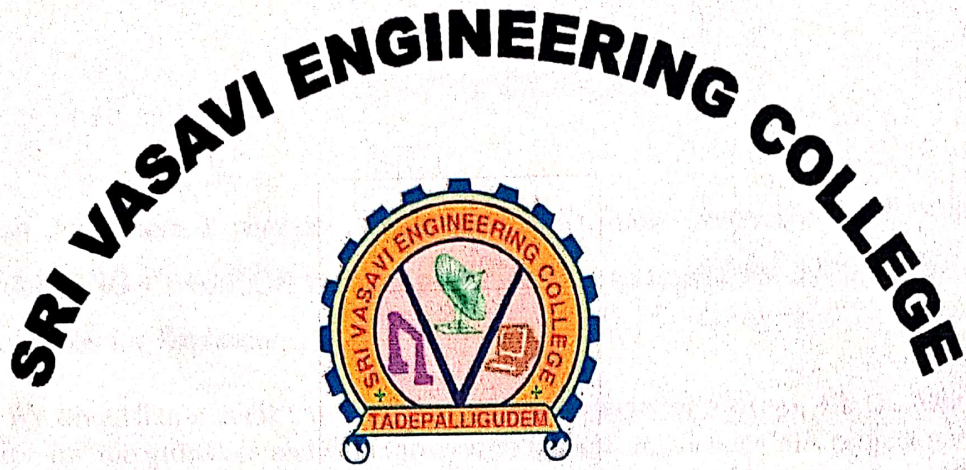
SRI VASAVI ENGINEERING COLLEGE

(Affiliated to JNTUK & Accredited by NBA & NAAC 'A' Grade) Pedatadepalli,

Tadepalligudem-534301, AP.

(2020-2023)





**DEPARTMENT OF
ELECTRICAL & ELECTRONICS ENGINEERING**

CERTIFICATE

This is to certify that the project report entitled "DEVELOPMENT OF MULTILEVEL INVERTER" being submitted by the students **Andukuri Sudeep (20A85A0202)**, **Boddu Kiran Babu (20A85A0203)**, **Mallula Venkata Mahesh (20A85A0231)**, **Kammila Jayanth (19A81A0219)** in partial fulfillment for award of the degree of Bachelor of Technology in Electrical and Electronics Engineering for the academic year 2020-2023 from Sri Vasavi Engineering College, Tadepalligudem, affiliated to the Jawaharlal Nehru Technological University Kakinada (JNTUK), Approved by A.I.C.T.E., New Delhi & Accredited by NAAC with 'A'Grade is a record of bonafide work carried out by them under my guidance and supervision.

CA
01/05/2023
PROJECT GUIDE

Sudeep
HEAD OF THE DEPARTMENT

Jaw
EXTERNAL EXAMINER

A Project Report On
ELECTRICAL RICE TRANSPLANTER

Submitted in partial fulfillment of the requirements for award of the degree of
BACHELOR OF TECHNOLOGY

In
ELECTRICAL & ELECTRONICS ENGINEERING

Submitted By

CH. JOSHNA RATNAM
(20A85A0207)

K.V. SIVA SURYA
(19A81A0222)

D.N.V.SATISH
(19A81A0209)

K.H.N.V.S.KUMAR
(19A81A0218)

P.MANISHA
(20A85A0248)

T.VARSHINI
(19A81A0241)

M.VIJAYA DURGA
(19A81A0225)

N.SAI KRISHNA
(19A81A0231)

Under the Supervision of
Sri. U. Chandra Rao, M.Tech.(Ph.D)
Sr. Assistant Professor



DEPARTMENT OF ELECTRICAL & ELECTRONICS
ENGINEERING
SRI VASAVI ENGINEERING COLLEGE

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Pedatadepalli, Tadepalligudem, W.G.Dt., AP- 534101

2019-2023



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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the project entitled "**ELECTRICAL RICE TRANSPLANTER**" is being submitted for partial fulfillment of the requirement for the award of the degree of **Bachelor of Technology** in Electrical & Electronics Engineering from **Jawaharlal Nehru Technological University, Kakinada** is a bonafide work done by CH. JOSHNA RATNAM (20A85A0207), K.V.SIVA SURYA (19A81A0222), D.NAGA VENKATA SATISH (19A81A0209), K. H. N. V. SAI KUMAR (19A81A0218), P. MANISHA (20A85A0248), T. VARSHINI (19A81A0241), M. VIJAYA DURGA (19A81A0225), N.SAI KRISHNA (19A81A0231) under my supervision and it has been verified and found satisfactory for acceptance according to requirement of the university. This work is not submitted to any other institution/university for the award of Degree.

PROJECTS SUPERVISOR
Mr. U. Chandra Rao, M.Tech(Ph.D)
Sr . Assistant Professor

HEAD OF THE DEPARTMENT
Dr. D. Sudha Rani
Professor & HOD

EXTERNAL EXAMINER

A project report on
**IOT BASED INTEGRATED PACKHOUSE FOR HORTICULTURAL
PRODUCTS**

Submitted in partial fulfillment of the requirements for the award of the degree of
BACHELOR OF TECHNOLOGY

In

ELECTRICAL AND ELECTRONICS ENGINEERING

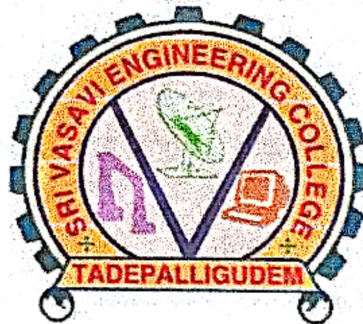
By

SPANDANA KARUTURI	(19A81A0220)
DIVYA BHARATHI KOKKIRLA	(20A85A0225)
SURENDRA KUMAR DANDRU	(19A81A0208)
DANESWARI GUNA	(19A81A0215)

Under the Esteemed supervision of:

Sri N. Sri Harish, M. Tech

Sr. Assistant Professor



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

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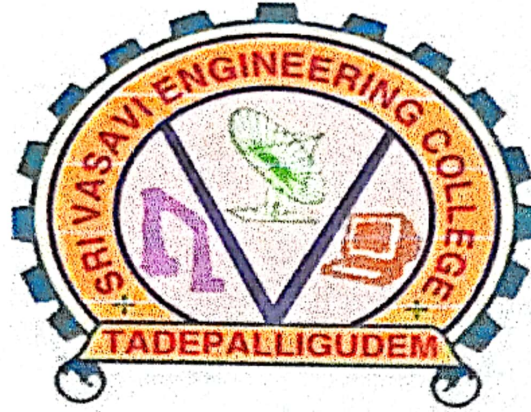
Pedatadepalli, Tadepalligudem - 534101, W G. Dist., AP

2019-2023

i



SRI VASAVI ENGINEERING COLLEGE



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING **CERTIFICATE**

This is to certify that the project report entitled "**IOT BASED INTEGRATED PACKHOUSE FOR HORTICULTURAL PRODUCTS**" submitted by SPANDANA KARUTURI(19A81A0220), DIVYA BHARATHI KOKKIRLA(20A85A0225), SURENDRA KUMAR DANDRU(19A81A0208) and DANESWARI GUNA(19A81A0215) in partial fulfillment of the requirements for award of the Degree of Bachelor of Technology in **ELECTRICAL & ELECTRONICS ENGINEERING**, for the academic year 2019-2023 from **SRI VASAVI ENGINEERING COLLEGE**, Tadepalligudem affiliated to JNTUK & accredited by NBA, is a record of bonafide work carried out by them under my guidance and supervision.


PROJECT GUIDE

(SRI N. SRI HARISH, M. Tech)


HEAD OF DEPARTMENT

(Dr. SUDHA RANI)


EXTERNAL EXAMINER

A Project Report
on
SMART EV CHARGING STATION BY HYBRID POWER
GENERATION

Submitted in partial fulfilment for award of the degree of

Bachelor of Technology

In

ELECTRICAL & ELECTRONICS ENGINEERING

Submitted By

D. TEJASWI

(20A85A0208)

A. MURALI KAMESH

(20A85A0201)

G. PRADEEP SURYA

(20A85A0212)

A. BHARGAV SAI

(19A81A0203)

Under the Supervision of

Sri. Ch. V S R Gopala Krishna, M. Tech. (Ph. D)

Sr. Assistant Professor



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

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Pedatadepalli, Tadepalligudem, W.G.Dt., AP- 534101

2019-2023



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Pedatadepalli, Tadepalligudem, W.G.Dt., AP- 534101

DEPARTMENT OF
ELECTRICAL & ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the project entitled **"SMART EV CHARGING STATION BY HYBRID POWER GENERATION"** is being submitted for partial fulfilment of the requirement for the award of the degree of **Bachelor of Technology** in Electrical & Electronics Engineering from **Jawaharlal Nehru Technological University, Kakinada** is a bonafide work done by **D.TEJASWI (20A85A0208), A.MURALI KAMESH (20A85A0201), G.PRADEEP SURYA (20A85A0212), A.BHARGAVSAI (19A81A0203)** under my supervision and it has been verified and found satisfactory for acceptance according to requirement of the university. This work is not submitted to any other institution/university for the award of Degree.

PROJECT SUPERVISOR

(Mr. Ch. V S R Gopala Krishna, MTech, (Ph.D.))

HEAD OF THE DEPARTMENT

(Dr. D. Sudha Rani, M.E., Ph.D.)

EXTERNAL EXAMINER

A PROJECT REPORT ON
ARDUINO CONTROLLED ROBOTIC SNAKE FOR
MONITORING AND INSPECTION

Submitted in partial fulfillment for the award of the degree of
BACHELOR OF TECHNOLOGY

In

Electrical and Electronics Engineering

By

G. DIVYA SAI	(20A85A0214)
K. SATYA VENKATA AKHIL	(19A81A0223)
A. LALITHA RANI	(19A81A0202)
G. NAGA DURGA MAHESH	(19A81A0214)

Under the Esteemed Supervision of

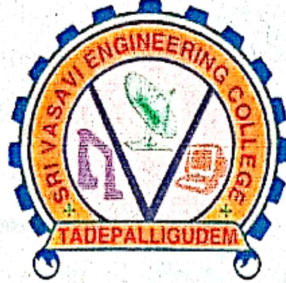
Mr. K. RAMESH BABU, M.Tech

Sr. Assistant Professor



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
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SRI VASAVI ENGINEERING COLLEGE(Autonomous)
(Affiliated to JNTU KAKINADA)
Pedatadepalli, Tadepalligudem-534101, A.P
2022-23

SRI VASAVI ENGINEERING COLLEGE (Autonomous)
DEPARTMENT OF ELECTRICAL & ELECTRONICS
ENGINEERING



Certificate

This is to certify that the Project Report entitled "**ARDUINO CONTROLLED ROBOTIC SNAKE FOR MONITORING AND INSPECTION**" submitted By G. Divya Sai (20A85A0214), K. Satya Venkata Akhil(19A81A0223), A. Lalitha Rani(19A81A0202), Naga Durga Mahesh(19A81A0214) for the award of the degree of Bachelor of Technology in the Department of Electrical and Electronics Engineering during the academic year 2022-2023.

Name of the Project Guide

Mr. K. RAMESH BABU

Sr. Assistant Professor

Head of the Department

Dr. D. SUDHA RANI

Professor & HOD

External Examiner



A project report on

A Reduced Switch 7-Level Triple Boost Switched Capacitor Based Multi-Level Inverter

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

In

ELECTRICAL AND ELECTRONICS ENGINEERING

By

Garsikuti Sunil Kumar (19A85A0212)

Ande Jandhini Bhavitha (19A81A0204)

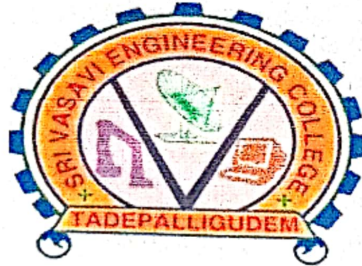
Chede Lakshmi Venkata Pradeep (20A85A0206)

Mancha Bala Tripura Prasanna Kumar (20A85A0232)

Under the Supervision of

Mr. K. Suresh, M. Tech

Designation: Assistant Professor



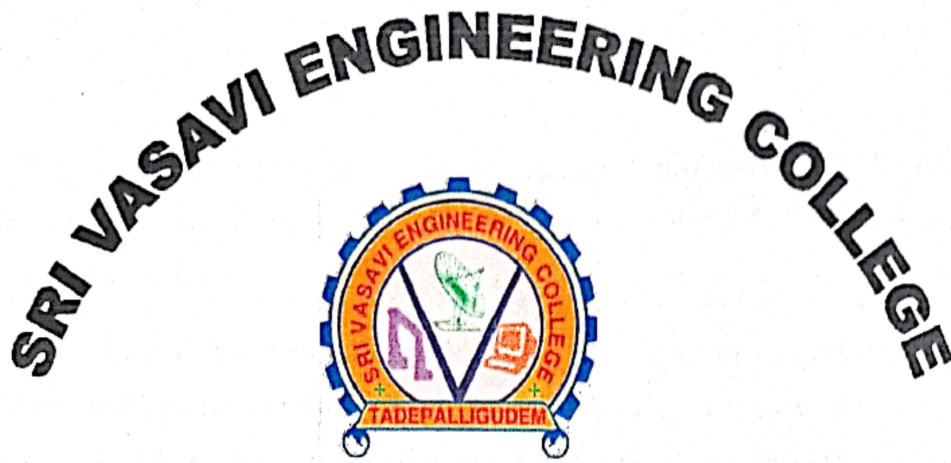
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

SRI VASAVI ENGINEERING COLLEGE

(Affiliated to JNTUK & Accredited by NBA & NAAC - 'A' Grade)

Pedatadepalli, Tadepalligudem - 534301, AP.

(2019-2023)



DEPARTMENT OF
ELECTRICAL & ELECTRONICS ENGINEERING

CERTIFICATE

This is to certify that the project report entitled "A Reduced Switch 7-Level Triple Boost Switched Capacitor Based multi-level Inverter" being submitted by the students **G Sunil Kumar (19A81A0212)**, **A. J Bhavitha (19A81A0204)**, **Ch. L. V Pradeep (20A85A0206)**, **M. B. T Prasanna Kumar (20A85A0232)** in partial fulfillment for award of the degree of **Bachelor of Technology in Electrical and Electronics Engineering** for the academic year 2019-2023 from Sri Vasavi Engineering College, Tadepalligudem, affiliated to the **Jawaharlal Nehru Technological University Kakinada (JNTUK)**, Approved by A.I.C.T.E, New Delhi & Accredited by NAAC with 'A' Grade is a record of bonafide work carried out by them under my guidance and supervision.


PROJECT GUIDE


HEAD OF THE DEPARTMENT


EXTERNAL EXAMINER

A Project Report

On

ADVANCED SECURITY CONNECTION
TO EXPENSIVE ELECTRICAL LOADS

Submitted in partial fulfilment of the requirements for award of the degree of

BACHELOR OF TECHNOLOGY

In

ELECTRICAL & ELECTRONICS ENGINEERING

Submitted By

MOHAMMAD MUSTAFA SIDDIQ ALIKHAN
(20A85A0235)

KAROTHU BALAJI
(20A85A0222)

KADAJARAPU PAVAN KUMAR
(20A85A0218)

KANURI DILEEP
(20A85A0221)

Under the Supervision of

Mr. M.T.V.L. RAVI KUMAR M.Tech

Assistant Professor



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

SRI VASAVI ENGINEERING COLLEGE

(Autonomous)

(Permanently Affiliated to JNTUK, Accredited by NBA & NAAC with 'A' Grade)

Pedatadepalli, Tadepalligudem, W.G.Dt., AP- 534101

2020–2023

SRI VASAVI ENGINEERING COLLEGE

(Autonomous)

(Permanently Affiliated to JNTUK, Accredited by NBA & NAAC with 'A' Grade) Pedatadepalli,
Tadepalligudem, W.G.Dt., AP- 534101


DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the project entitled "**ADVANCED SECURITY CONNECTION TO EXPENSIVE ELECTRICAL LOADS**" is being submitted for partial fulfilment of the requirement for the award of the degree of **Bachelor of Technology** in Electrical & Electronics Engineering from Jawaharlal Nehru Technological University, Kakinada is a bonafide work done by MOHAMMAD MUSTAFA SIDDIQ ALIKHAN (20A85A0235), KAROTHU BALAJI (20A85A0222), KADAJARAPU PAVAN KUMAR (20A85A0218), KANURI DILEEP (20A85A0221) under my supervision and it has been verified and found satisfactory for acceptance according to requirement of the university. This work is not submitted to any other institution/university for the award of Degree.


PROJECT SUPERVISOR
(Mr. M.T.V.L. RAVI KUMAR, M.Tech)


HEAD OF THE DEPARTMENT
(Dr. D. Sudha Rani, M.E., Ph.D.)


EXTERNAL EXAMINER

A Project Report On
**SELECTIVE HARMONIC ELIMINATION IN MULTILEVEL
INVERTERS USING PARTICLE SWARM OPTIMIZATION**

Submitted in partial fulfillment of the requirements for award of the degree of

BACHELOR OF TECHNOLOGY

In

ELECTRICAL & ELECTRONICS ENGINEERING

Submitted By

JAYAVARAPU SAINADH CHAKRAVARTHI
(20A85A0216)

GEDDA KARTHIK SAI DINESH
(20A85A0215)

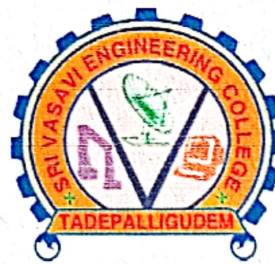
MANDRU KIRAN BABU
(20A85A0233)

MEESALA SHANMUKHA SADDHAYI
(20A85A0234)

Under the Supervision of

Mr. V.RAMANARAYANA M.Tech

Assistant Professor



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

SRI VASAVI ENGINEERING COLLEGE

(Autonomous)

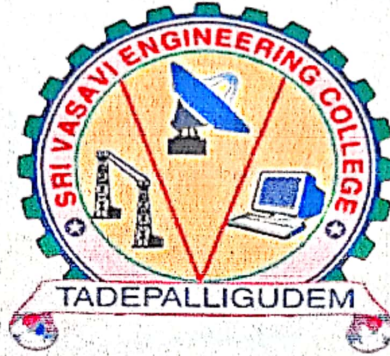
(Permanently Affiliated to JNTUK, Accredited by NBA & NAAC with 'A' Grade)

Pedatadepalli, Tadepalligudem, W.G.Dt. , AP- 534101

2019 – 2023




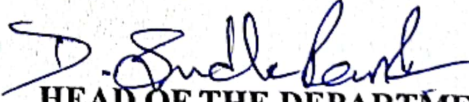
SRI VASAVI ENGINEERING COLLEGE



DEPARTMENT OF
ELECTRICAL & ELECTRONICS ENGINEERING
CERTIFICATE

This is to certify that the project report entitled "**SELECTIVE HARMONIC ELIMINATION IN MULTILEVEL INVERTERS USING PARTICLE SWARM OPTIMIZATION**" submitted by JAYAVARAPU SAINADH CHAKRAVARTHI (20A85A0216), GEDDA KARTHIK SAI DINESH (20A85A0215), MANDRU KIRAN BABU (20A85A0233), MEESALA SHANMUKHA SADDHAYI (20A85A0234) in partial fulfilment of the requirements for award of the Degree of Bachelor of Technology in *Electrical & Electronics Engineering*, from Sri Vasavi Engineering College, Tadepalligudem affiliated to JNTUK & accredited by NBA, is a record of bona fide work carried out by them under my guidance and supervision.


27/4/23
PROJECT GUIDE
(Mr. V. Ramanarayana, M.Tech)


HEAD OF THE DEPARTMENT
(Dr. D. Sudha Rani, M.E., Ph.D)


EXTERNAL EXAMINER

A PROJECT REPORT ON
**CONTROL FOR GRID-CONNECTED AND INTENTIONAL
ISLANDING OPERATION OF DISTRIBUTED GENERATION**

Submitted in partial fulfillment for the award of the degree of
BACHELOR OF TECHNOLOGY

In
Electrical and Electronics Engineering

By
Eedara Gopi(19A81A0210)
Kurakula Manohar(20A85A0230)
Gamini Pavan Sri Sai Nagaraj(19A81A0211)
Jalaparathi Eswara Sai Bhaskar(19A81A0217)

Under the Esteemed Supervision of
MR. Guttikonda Chandra Babu, M.Tech
Assistant Professor



Department of Electrical and Electronics Engineering
(Accredited by N.B.A.)
SRI VASAVI ENGINEERING COLLEGE(Autonomous)
(Affiliated to JNTUK, Kakinada)
Pedatadepalli, Tadepalligudem-534101, A.P
2022-23

SRI VASAVI ENGINEERING COLLEGE (Autonomous)

Department Of Electrical and Electronics Engineering

Pedatadepalli, Tadepalligudem



Certificate

This is to certify that the Project Report entitled "**CONTROL FOR GRID CONNECTED AND INTENTIONAL ISLANDING OPERATION OF DISTRIBUTED GENERATION**" submitted By Eedara Gopi(19A81A0210), Kurakula Manohar(20A85A0230), Gamini Pavan Sri Sai Nagaraj(19A81A0211), Jalaparathi Eswara Sai Bhaskar(19A81A0217) for the award of the degree of Bachelor of Technology in the Department of Electrical and Electronics Engineering during the academic year 2022-2023.

G. Chandra Babu
Name of Project Guide

Mr. Guttikonda Chandra Babu, M.Tech
Assistant Professor

D. D. Sudha Rani
Head of the Department

Dr. D. Sudha Rani
Professor & HOD

[Signature]
External Examiner



A PROJECT REPORT ON
**SOLAR WIRELESS ELECTRICAL VEHICLE CHARGING
AND MONITORING STATION**

Submitted in partial fulfilment for the award of the degree of
BACHELOR OF TECHNOLOGY

In
Electrical and Electronics Engineering

By

A. Jahnvi (19A81A0201)

K. Rakesh(19A81A0221)

G.M.S.Sai Kumar(20A85A0213)

D.V.V.Prasad(20A85A0209)

Under the Supervision of
Sri. G. MADHU SAGAR BABU, M. Tech.

Assistant Professor



**Department of Electrical and Electronics Engineering
(Accredited by N.B.A.)
SRI VASAVI ENGINEERING COLLEGE(Autonomous)
(Affiliated to JNTUK, Kakinada)
Pedatadepalli, Tadepalligudem-534101, A.P
2022-23**



SRI VASAVI ENGINEERING COLLEGE (Autonomous)

Department Of Electrical and Electronics Engineering

Pedatadepalli, Tadepalligudem



Certificate

This is to certify that the Project Report entitled “**SOLAR WIRELESS ELECTRICAL VEHICLE CHARGING AND MONITORING STATION**” submitted By A. Jahnvi(19A81A0201), K.Rakesh(19A81A0221), G.M.S.Sai Kamar (20A85A0213), D.V.V.Prasad(20A85A0209) for the award of the degree of Bachelor of Technology in the Department of Electrical and Electronics Engineering during the academic year 2022-2023.

Name of Project Guide

Mr. G. MADHU SAGAR BABU, M. Tech.
Assistant Professor

Head of the Department

Dr. D. SUDHA RANI
Professor & HOD

External Examiner



A project report on
SMART WATER MANAGEMENT SYSTEM
Submitted in partial fulfillment of the requirements for the award of the degree of
BACHELOR OF TECHNOLOGY
In
ELECTRICAL & ELECTRONICS ENGINEERING
By

Kada Venkata Durga Saibabu
(20A85A0217)

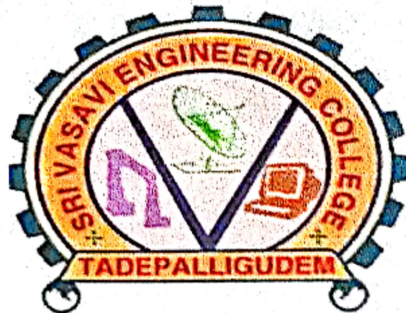
Grandhi Devi Sri Kavya
(19A81A0213)

Chinnamsetti Durga Bhavani
(19A81A0207)

Ketha Pavan Kumar
(20A85A0223)

Under the Esteemed guidance of
Mr. G. Govardhan, M.Tech

Assistant Professor



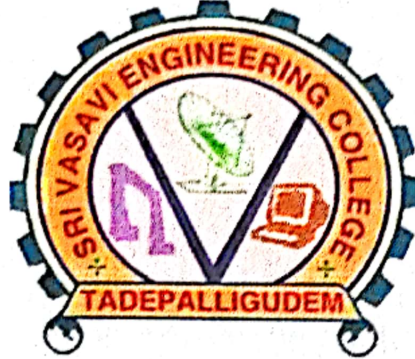
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
SRI VASAVI ENGINEERING COLLEGE
(AUTONOMOUS)

2019-2023

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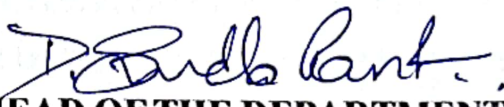
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DEPARTMENT OF
ELECTRICAL AND ELECTRONICS ENGINEERING
CERTIFICATE

This is to certify that the project report entitled "**SMART WATER MANAGEMENT SYSTEM**" submitted by **Kada Venkata Durga Saibabu (20A85A0217)**, **Grandhi Devi Sri Kavya (19A81A0213)**, **Chinnamsetti Durga Bhavani (19A81A0207)**, **Ketha Pavan Kumar (20A85A0223)** in partial fulfillment of the requirements forward of the Degree of Bachelor of Technology in *Electrical & Electronics Engineering*, from *Sri Vasavi Engineering College, Tadepalligudem* affiliated to JNTUK & accredited by NBA, is arecord of bonafide work carried out by them under my guidance and supervision.


PROJECT GUIDE
(Mr. G. GOVARDHAN)


HEAD OF THE DEPARTMENT
(Dr. D. SUDHA RANI)


EXTERNAL EXAMINER

A Project Report On

BIOMETRIC BASED VOTING MACHINE

Submitted in partial fulfillment of the requirements for award of the degree of
BACHELOR OF TECHNOLOGY

In

ELECTRICAL & ELECTRONICS ENGINEERING

Submitted By

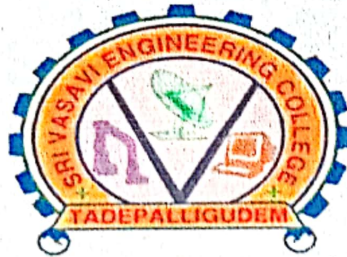
B. Kavya Roopini
(20A85A0204)

K.ChandraManikanta
(20A85A0220)

K. Rama Lakshmi
(20A85A0228)

D. Jyothibabu
(20A85A0210)

Under the Supervision of
Sri. A.UMA SIVA NAGA PRASAD, M.Tech
Assistant Professor



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

SRI VASAVI ENGINEERING COLLEGE

(Affiliated to JNTUK & Accredited by NBA & NAAC - 'A' Grade)

Pedatadepalli, Tadepalligudem - 534301, AP.

(2019-2023)



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Pedatadepalli, Tadepalligudem, W.G.Dt., AP- 534101

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the project report entitled "**BIOMETRIC BASED VOTING MACHINE**" is being submitted by the students B. Kavya Roopini (20A85A0204), K. Chandra Manikanta (20A85A0220), K. Rama Lakshmi (20A85A0228), D. Jyothibabu (20A85A0210) in partial fulfillment of the requirement for the award of the degree of **Bachelor of Technology** in Electrical & Electronics Engineering for the academic year 2019-2023 from Sri Vasavi Engineering College, Tadepalligudem, affiliated to the **Jawaharlal Nehru Technological University Kakinada (JNTUK)**, Approved by A.I.C.T.E, New Delhi & Accredited by NAAC with 'A' Grade is a record of bona fide work carried out by them under my guidance and supervision.

PROJECT SUPERVISOR
(Sri A. Uma Siva Naga Prasad, M. Tech)

HEAD OF THE DEPARTMENT
(Dr. D. Sudha Rani, M.E., Ph.D.)

EXTERNAL EXAMINER



A project report on
ELECTRIC VEHICLE CHARGING STATION LOCATOR AND SLOT BOOKING
Submitted in partial fulfillment of the requirements for the award of the degree of
BACHELOR OF TECHNOLOGY

In
ELECTRICAL & ELECTRONICS ENGINEERING

By

Mutta Bhavya Sri Tanmayee

(19A81A0229)

Veeramallu Mohith Kumar

(20A85A0258)

Vendra Satya Lohith

(20A85A0261)

Kurapati Rama Krishna

(19A81A0224)

Under the Esteemed guidance of

Dr. Chunduri Rambabu

Professor & Dean (Student Affairs)



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

SRI VASAVI ENGINEERING COLLEGE

(AUTONOMOUS)

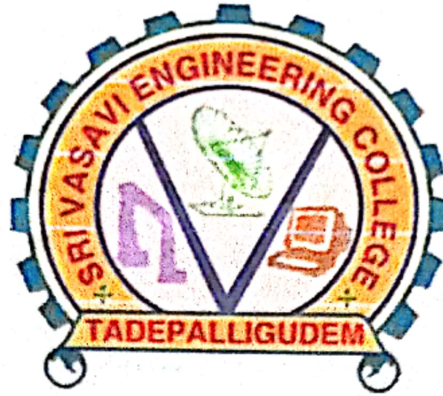
(Affiliated to Jawaharlal Nehru Technological University, Kakinada)

Approved by AICTE, New Delhi, Accredited by NBA & NAAC with 'A' Grade)

Pedatadepalli, Tadepalligudem – 534101, AP

2019-2023

SRI VASAVI ENGINEERING COLLEGE

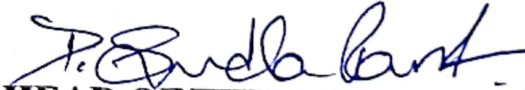


DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CERTIFICATE

This is to certify that the project report entitled "**ELECTRIC VEHICLE CHARGING STATION LOCATOR AND SLOT BOOKING**" submitted by **MUTTA BHAVYA SRI TANMAYEE1(19A81A0229)**, **VENDRA SATYA LOHITH(20A85A0261)**, **VEERAMALLU MOHITH KUMAR (20A85A0258)** and **KURAPATI RAMA KRISHNA(19A81A0224)** in partial fulfillment of the requirements for award of the Degree of Bachelor of Technology in *Electrical & Electronics Engineering*, from Sri Vasavi Engineering College, Tadepalligudem affiliated to JNTUK & accredited by NBA, is a record of bonafide work carried out by them under my guidance and supervision.


PROJECT GUIDE
(DR.CH.RAMBABU)


HEAD OF THE DEPARTMENT
(DR.D.SUDHA RANI)

EXTERNAL EXAMINER

A project report on
SMART WATER MANAGEMENT SYSTEM
Submitted in partial fulfillment of the requirements for the award of the degree of
BACHELOR OF TECHNOLOGY

In
ELECTRICAL & ELECTRONICS ENGINEERING

By

- | | |
|--|---|
| 1. K. Venkata Durga Saibabu (20A85A0217) | 1. P. Lakshmi Prathyusha (19A81A0232) |
| 2. G. Devi Sri Kavya (19A81A0213) | 2. V. Chinna Venkata Reddy (19A81A0247) |
| 3. Ch. Durga Bhavani (19A81A0207) | 3. S. Krishna Sai (20A85A0251) |
| 4. K. Pavan Kumar (20A85A0223) | 4. S. Ganesh (19A81A0238) |

Under the Esteemed guidance of

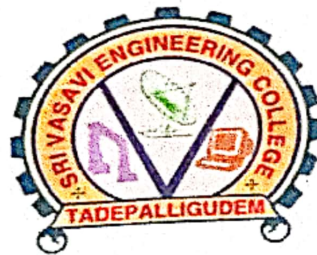
Dr. Sudha Rani Donepudi

Professor and HOD

and

Mr. G. Govardhan, M.Tech

Assistant Professor



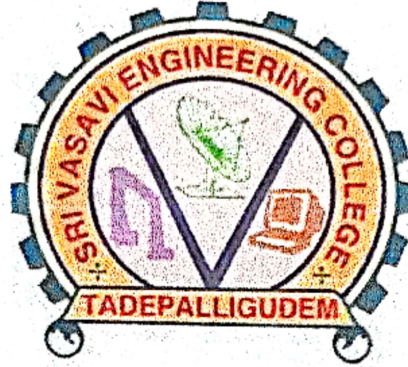
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
SRI VASAVI ENGINEERING COLLEGE
(AUTONOMOUS)

2019-2023

1





SRI VASAVI ENGINEERING COLLEGE
(AUTONOMOUS)



DEPARTMENT OF
ELECTRICAL AND ELECTRONICS ENGINEERING
CERTIFICATE

This is to certify that the project report entitled "**SMART WATER MANAGEMENT SYSTEM**" submitted by **Pasupuleti Lakshmi Prathyusha (19A81A0232)**, **Velagala Chinna Venkata Reddy (19A81A0247)**, **Sanga Krishna Sai (20A85A0251)**, **Suggiseti Ganesh (19A81A0238)**, **K.Venkata Durga Saibabu (20A85A0217)**, **G. Devi Sri Kavya (19A81A0213)**, **Ch. Durga Bhavani (19A81A0207)**, **K. Pavan Kumar (20A85A0223)** in partial fulfillment of the requirements forward of the Degree of Bachelor of Technology in *Electrical & Electronics Engineering*, from **Sri Vasavi Engineering College, Tadepalligudem** affiliated to JNTUK & accredited by NBA, is arecord of bonafide work carried out by them under my guidance and supervision.


PROJECT GUIDES
(Dr.D.SUDHA RANI, Mr.G.GOVARDHAN)


HEAD OF THE DEPARTMENT
(Dr.D.SUDHA RANI)

EXTERNAL EXAMINER

A PROJECT REPORT ON
ANALYSIS OF POWER QUALITY DISTURBANCES IN
DC MICROGRID SYSTEM USING ADAPTIVE
MORPHOLOGICAL OPERATORS WITH SCATTER
PLOTS

Submitted in partial fulfilment for the award of the degree of
BACHELOR OF TECHNOLOGY

In

Electrical and Electronics Engineering

By

SANAPATHI SURYA PAVAN (20A85A0250)

PEDDIREDDY LOKESH SAI PRASAD (20A85A0242)

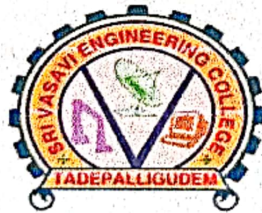
RAGANI SRINIVASU (20A85A0249)

VEERAVALLI ISAAC VIJAY BABU (19A81A0246)

Under the Esteemed Supervision of

Dr. Eluri N V D V Prasad

Assistant Professor

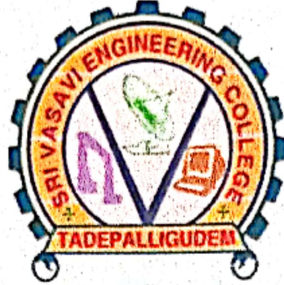


Department of Electrical and Electronics Engineering
(Accredited by N.B.A.)
SRI VASAVI ENGINEERING COLLEGE (Autonomous)
(Affiliated to JNTUK, Kakinada)
Pedatadepalli, Tadepalligudem-534101, A.P
2022-23

SRI VASAVI ENGINEERING COLLEGE (Autonomous)

Department of Electrical and Electronics Engineering

Pedatadepalli, Tadepalligudem



Certificate

This is to certify that the Project Report entitled "**ANALYSIS OF POWER QUALITY DISTURBANCES IN DC MICROGRID SYSTEM USING ADAPTIVE MORPHOLOGICAL OPERATORS WITH SCATTER PLOTS**"

submitted By

SANAPATHI SURYA PAVAN (20A85A0250), PEDDIREDDY LOKESH SAI PRASAD (20A85A0242), RAGANI SRINIVASU (20A85A0249), VEERAVALLI ISAAC VIJAY BABU (19A81A0246)

for the award of the degree of Bachelor of Technology in the Department of Electrical and Electronics Engineering during the academic year 2022-2023.

ENVDV Prasad
29/10/2023
Name of Project Guide

Dr. Eluri N V D V Prasad
Assistant Professor

D. Sudha Rani
Head of the Department

Dr. D. Sudha Rani
Professor & HOD

External Examiner

MINIMIZATION OF FREQUENCY DEVIATIONS IN MULTI-AREA MULTI-SOURCE POWER SYSTEM WITH SSSC

Submitted in partial fulfillment of the requirements for the award of degree of

BACHELOR OF TECHNOLOGY

In

ELECTRICAL & ELECTRONICS ENGINEERING

Submitted By

Peruri Naga Sai Varsha

(20A85A0244)

Sypureddy Srujana

(19A81A0240)

Nadimpalli Sai Priya

(19A81A0230)

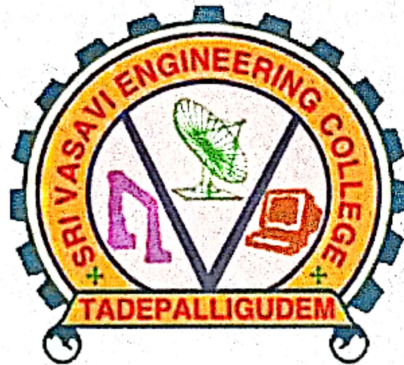
Rayi Sai Ganesh

(19A81A0236)

Under the Esteemed Guidance of

Mr. N. Madhusudhan Reddy, M.Tech

Assistant Professor, EEE dept.



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

SRI VASAVI ENGINEERING COLLEGE (AUTONOMOUS)

(Affiliated to Jawaharlal Nehru Technological University, Kakinada, A.P)

Approved by AICTE, New Delhi, Accredited by NBA & NAAC with 'A' Grade)

Pedatadepalli, Tadepalligudem-534101, Andhra Pradesh.

2019-2023

SRI VASAVI ENGINEERING COLLEGE

(Affiliated to Jawaharlal Nehru Technological University, Kakinada, A.P)

Pedatadepalli, Tadepalligudem-534101, Andhra Pradesh.



DEPARTMENT OF
ELECTRICAL AND ELECTRONICS ENGINEERING
CERTIFICATE

This is to certify that the project report entitled “**MINIMIZATION OF FREQUENCY DEVIATIONS IN MULTI-AREA MULTI -SOURCE POWER SYSTEM WITH SSSC**” submitted by **PERURI NAGA SAI VARSHA (20A85A0244), NADIMPALLI SAIPRIYA (19A81A0230), SYPUREDDY SRUJANA (19A81A0240) and RAYI SAI GANESH (19A81A0236)** in partial fulfilment of the requirements for award of the Degree of Bachelor of Technology in **Electrical & Electronics Engineering**, from **Sri Vasavi Engineering College, Tadepalligudem** affiliated to JNTUK & accredited by NBA, is a record of bonafide work carried out by them under my guidance and supervision.

N. Madhusudhan Reddy
PROJECT GUIDE

(Mr. N. MADHUSUDHAN REDDY, M.Tech)

Dr. D. Sudha Rani
HEAD OF THE DEPARTMENT

(Dr. D. SUDHA RANI, M.E, Ph.D)

EXTERNAL EXAMINER



A Project Report On
**AUTOMATIC VEHICLE SPEED LIMIT CONTROL USING
RFID**

Submitted in partial fulfillment of the requirements for the award of the degree of
BACHELOR OF TECHNOLOGY

In

ELECTRICAL & ELECTRONICS ENGINEERING

By

P.KUMARA SWAMY

(20A85A0241)

V.AKHIL

(19A81A0244)

M.JAYA VENKATA RAO

(19A81A0227)

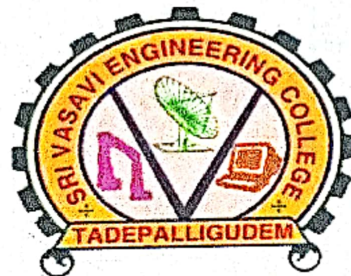
N. HARI PRASAD

(20A85A0238)

Under the Esteemed guidance of

Mr. S. Krishna, M.Tech.

Assistant Professor, EEE dept.



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SRI VASAVI ENGINEERING COLLEGE

(AUTONOMOUS)

(Affiliated to Jawaharlal Nehru Technological University, Kakinada)

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Pedatadepalli, Tadepalligudem – 534101, AP

2019-2023

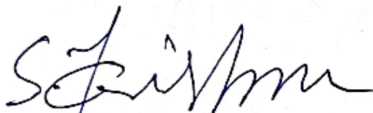
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SRI VASAVI ENGINEERING COLLEGE


(Affiliated to JNTUK, Approved by AICTE, New Delhi, Accredited by NBA &
NAAC with 'A' Grade)



CERTIFICATE

This is to certify that the project report entitled "**AUTOMATIC VEHICLE SPEED LIMIT CONTROL USING RFID**" submitted by **PECHETTI KUMARA SWAMY (20A85A0241)**, **MATTA JAYA VENKATA RAO(19A81A0227)**, **VALLABANENI AKHIL (19A81A0244)** and **NEKURI HARI PRASAD (20A85A0238)** in partial fulfillment of the requirements for award of the Degree of Bachelor of Technology in **Electrical & Electronics Engineering**, from Sri Vasavi Engineering College, Tadepalligudem affiliated to JNTUK & accredited by NBA, is a record of bonafide work carried out by them under my guidance and supervision.


PROJECT GUIDE
(Mr.S.KRISHNA)


HEAD OF THE DEPARTMENT
(Dr.D.SUDHA RANI)

EXTERNAL EXAMINER

A Project Report
On
MINIMIZATION OF POWER LOSSES IN THE
RADIAL DISTRIBUTION SYSTEM

Submitted in partial fulfillment of the requirements for award of the degree of

BACHELOR OF TECHNOLOGY

In

ELECTRICAL & ELECTRONICS ENGINEERING

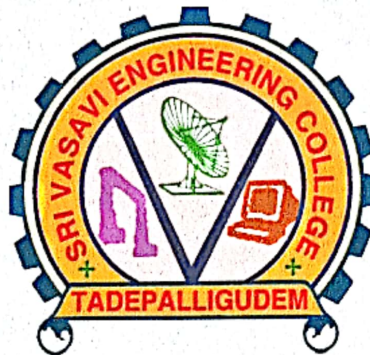
VARAPULA BHASKARA BHARGAVI
PALURI HARIKA
NALLAGANGULA SRINU BABU
PATHULA KRANTHI

20A85A0257
20A85A0239
20A85A0237
19A81A0234

Under the Esteemed Supervision of

Mr. CHODAGAM SRINIVAS M.Tech (Ph.D)

Assistant Professor



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

SRI VASAVI ENGINEERING COLLEGE

(AUTONOMOUS)

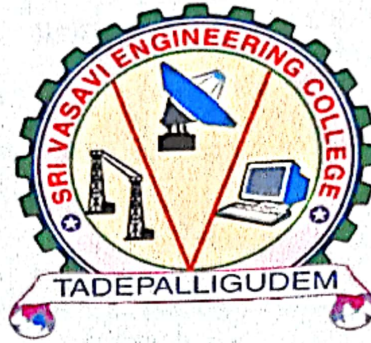
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Pedatadepalli, Tadepalligudem- **534101, AP**

2019 –2023



SRI VASAVI ENGINEERING COLLEGE



DEPARTMENT OF

ELECTRICAL & ELECTRONICS ENGINEERING

CERTIFICATE

This is to certify that the project report entitled "**MINIMIZATION OF POWER LOSSES IN THE RADIAL DISTRIBUTION SYSTEM**" submitted by **VARAPULA BHASKARA BHARGAVI (20A85A0257)**, **PALURI HARIKA (20A85A0239)**, **NALLAGANGULA SRINU BABU (20A85A0237)**, **PATHULA KRANTHI (19A81A0234)** in partial fulfillment of the requirements for award of the Degree of Bachelor of Technology in *Electrical & Electronics Engineering*, from Sri Vasavi Engineering College, Tadepalligudem Permanent affiliated to JNTUK, Kakinada & accredited by NBA and NAAC is a record of bonafide work carried out by them under my guidance and supervision.

PROJECT SUPERVISOR

CHODAGAM SRINIVAS M.Tech (Ph.D.)

HEAD OF THE DEPARTMENT

Dr. D. SUDHA RANI Ph.D.

EXTERNAL EXAMINER



A Project Report
On
**IOT BASED SMART MIRROR WITH NEWS AND
TEMPERATURE**

Submitted in partial fulfillment of the requirements for the award of the degree of
BACHELOR OF TECHNOLOGY

In
ELECTRICAL & ELECTRONICS ENGINEERING

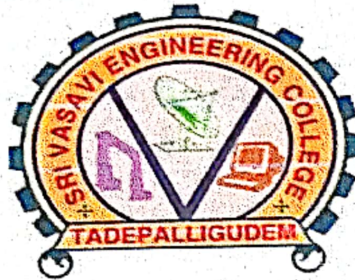
Submitted by

PATAMSETTI RISHITA LAKSHMI BHAVYA	19A81A0233
VEGIRAJU NARASIMHA RAJU	20A85A0260
PANDI VENKATA DURGA PRASAD	20A85A0240
SIRRA CYNTHIA MANVI	20A85A0252

Under the Esteemed Guidance of

Mr. M. M. SWAMI NAIDU, M. Tech.

Assistant Professor

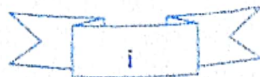


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(AUTONOMOUS)

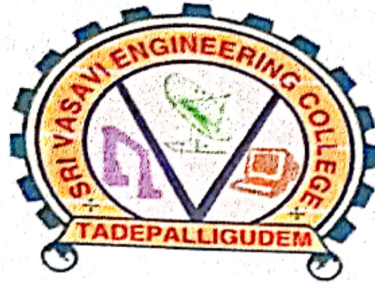
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Pedatadepalli, Tadepalligudem – 534101, AP

2019-2023



DEPARTMENT OF
ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the project report entitled "**IOT BASED SMART MIRROR WITH NEWS AND TEMPERATURE**" is a bonafide work done by **PATAMSETTI RISHITA LAKSHMI BHAVYA(19A81A0233), VEGIRAJU NARASIMHA RAJU (20A85A0260), PANDI VENKATA DURGA PRASAD(20A85A0240), SIRRA CYNTHIA MANVI(20A85A0252)** submitted in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in *Electrical & Electronics Engineering* during 2019-2023. The results of investigation enclosed in this report have been verified and found satisfactory. The results embodied in this project have not been submitted to any other University or Institute for the award of any degree.

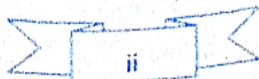
PROJECT GUIDE

Mr. M. M. SWAMI NAIDU, M.Tech.

HEAD OF THE DEPARTMENT

Dr. D. SUDHA RANI, M.E., Ph.D

EXTERNAL EXAMINER



A project report on

SOLAR PANEL AUTOMATIC CLEANING SYSTEM

Submitted in partial fulfillment of the requirements for the award of the degree of
BACHELOR OF TECHNOLOGY

In

ELECTRICAL & ELECTRONICS ENGINEERING

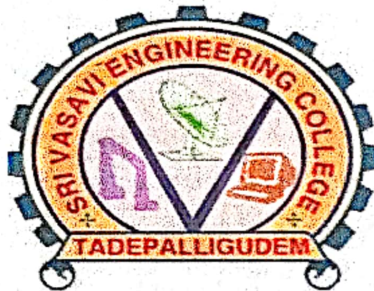
Submitted By

T B V KISHORE (20A85A0254)
P PAVAN KUMAR (20A85A0247)
M P S S BUSHANAM NAIDU (20A85A0262)
T D S S S PRANEETH (19A81A0242)

Under the Esteemed guidance of

Mr. DURGA R CH NOOKESH, M.Tech, (Ph.D).

Assistant professor



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

SRI VASAVI ENGINEERING COLLEGE

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Pedatadepalli, Tadepalligudem – 534101, AP

2019-2023



SRI VASAVI ENGINEERING COLLEGE



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING CERTIFICATE

This is to certify that the project report entitled "**SOLAR PANEL AUTOMATIC CLEANING SYSTEM**" submitted by **T B V KISHORE (20A85A0254)**, **PAVAN KUMAR (20A85A0247)**, **M P S S BUSHANAM NAIDU (20A85A0262)**, **T D S S S PRANEETH (19A81A0242)** in partial fulfillment of the requirements for award of the Degree of Bachelor of Technology in *Electrical & Electronics Engineering*, from **Sri Vasavi Engineering College**, Tadepalligudem affiliated to JNTUK & accredited by NBA, is a record of bonafide work carried out by them under my guidance and supervision.

PROJECT GUIDE

Mr. DURGA R CH NOOKESH, M.Tech(Ph.D)
Asst. Prof

HEAD OF THE DEPARTMENT

DR.D.SUDHA RANI, M.Tech(Ph.D)
Asst. Prof & HOD

EXTERNAL EXAMINER

A Project Report on
**DESIGN AND IMPLEMENTATION OF IOT BASED
AUTOMATIC POWER FACTOR CORRECTION USING
ARDUINO**

Submitted in partial fulfillment of the requirements for the award of degree of

BACHELOR OF TECHNOLOGY

In

ELECTRICAL & ELECTRONICS ENGINEERING

Submitted By

T. Mani Sagar

(20A85A0255)

V. Chandra Shekara Subrahmanyam

(20A85A0259)

Ch. Tejasri Naga Ratna Manikyam

(20A85A0264)

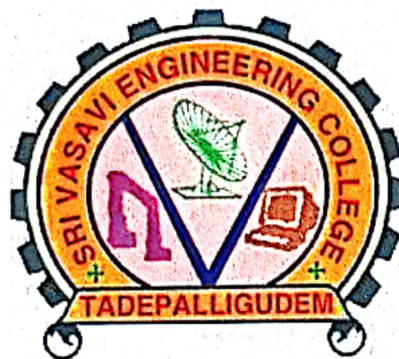
V. Narendra Kumar

(20A85A0256)

Under the Esteemed Guidance of

Mrs. G. Jaji Sudha, M. Tech

Assistant Professor, EEE dept.



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

SRI VASAVI ENGINEERING COLLEGE (AUTONOMOUS)

(Affiliated to Jawaharlal Nehru Technological University, Kakinada, A.P)

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Pedatadepalli, Tadepalligudem-534101, Andhra Pradesh.

2019-2023



SRI VASAVI ENGINEERING COLLEGE

Pedatadepalli, Tadepalligudem-534101, Andhra Pradesh.



**DEPARTMENT OF
ELECTRICAL AND ELECTRONICS ENGINEERING
CERTIFICATE**

This is to certify that the project report entitled “**DESIGN AND IMPLEMENTATION OF IOT BASED AUTOMATIC POWER FACTOR CORRECTION USING ARDUINO**” submitted by THEEDA MANISAGAR (20A85A0255), VEERAVALLI CHANDRA SEKHARA SUBRAHMANYAM (20A85A0259), CHINTALAPUDI TEJASRI NAGA RATNA MANIKYAM (20A85A0264), VANKA NARENDRA KUMAR (20A85A0256) in partial fulfilment of the requirements for award of the Degree of Bachelor of Technology in **Electrical & Electronics Engineering**, from Sri Vasavi Engineering College, Tadepalligudem affiliated to JNTUK & accredited by NBA, is a record of bonafide work carried out by them under my guidance and supervision.

PROJECT GUIDE

(Mrs. G. JAJI SUDHA)

HEAD OF THE DEPARTMENT

(Dr. D. SUDHA RANI)

EXTERNAL EXAMINER

A project report on
**SELECTIVE HARMONIC ELIMINATION WITH OPTIMUM DC
SOURCE IN MULTILEVEL INVERTER (CHB-MLI) USING AN
EVOLUTIONARY ALGORITHM**
Submitted in partial fulfilment of the requirements for the award of the degree of
BACHELOR OF TECHNOLOGY

In
ELECTRICAL & ELECTRONICS ENGINEERING
By

R. TEJA VENKATA LAKSHMI DEVI (19A81A0235)

P. YOHANU (20A85A0243)

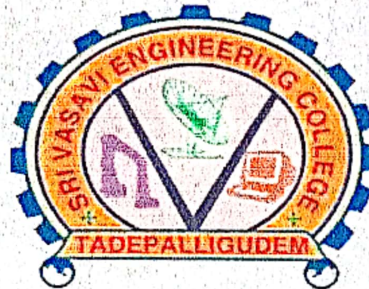
M L V S SIVA RAMA KRISHNA (19A81A0226)

M. PAVAN KUMAR (20A85A0263)

Under the Esteemed guidance of

N. SANKAR, M.Tech.

Assistant professor

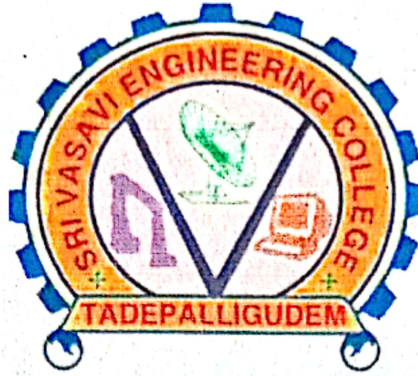


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Pedatadepalli, Tadepalligudem – 534101, AP


2019-2023



DEPARTMENT OF
ELECTRICAL AND ELECTRONICS ENGINEERING
CERTIFICATE

This is to certify that the project report entitled "**SELECTIVE HARMONIC ELIMINATION WITH OPTIMUM DC SOURCE IN MULTILEVEL INVERTER (CHB-MLI) USING AN EVOLUTIONARY ALGORITHM**" submitted by **R. TEJA VENKATA LAKSHMI DEVI (19A81A0235), P. YOHANU (20A85A0243), M L V S SIVA RAMA KRISHNA (19A81A0226), M.PAVAN KUMAR (20A85A0263)** in partial fulfillment of the requirements for award of the Degree of Bachelor of Technology in *Electrical & Electronics Engineering*, from Sri Vasavi Engineering College, Tadepalligudem affiliated to JNTUK & accredited by NBA, is a record of bonafide work carried out by them under my guidance and supervision.


PROJECT GUIDE
Mr. SANKAR, M.Tech Asst.prof


HEAD OF THE DEPARTMENT
DR.D. SUDHA RANI, M.Tech, Ph.D
Professor & HOD.

EXTERNAL EXAMINER

A Project Report on

Implementation of Five-Level Double-Boost Multilevel Inverter based on switched Capacitor Technique

Submitted in partial fulfillment of the requirements for the award of degree of

BACHELOR OF TECHNOLOGY

In

ELECTRICAL & ELECTRONICS ENGINEERING

Submitted By

Tamma Ravi Sanakar

(20A85A0253)

Musunuru Harish

(19A81A0228)

Pitchuka Jagadish Ram Durga Rao

(20A85A0245)

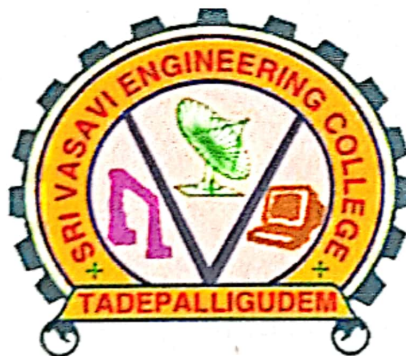
Polimera Adish

(20A85A0246)

Under the Esteemed Guidance of

Mr. D. Dhana Prasad, M.Tech (Ph.D)

Assistant Professor, EEE dept.



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

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Pedatadepalli, Tadepalligudem-534101, Andhra Pradesh.

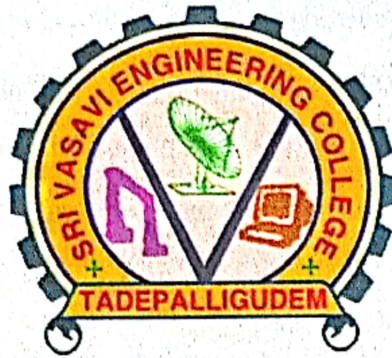
2019-2023



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Pedatadepalli, Tadepalligudem-534101, Andhra Pradesh.



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING CERTIFICATE

This is to certify that the project report entitled "IMPLEMENTATION OF FIVE-LEVEL DOUBLE-BOOST MULTILEVEL INVERTER BASED ON SWITCHED CAPACITOR TECHNIQUE" submitted by TAMMA RAVI SANKAR (20A85A0253), PITCHUKA JAGADISH RAM DURGA RAO (20A85A0245), MUSUNURU HARISH (19A81A0228) and POLIMERA ADISH (20A85A0246) in partial fulfilment of the requirements for award of the Degree of Bachelor of Technology in **Electrical & Electronics Engineering**, from **Sri Vasavi Engineering College**, Tadepalligudem affiliated to JNTUK & accredited by NBA, is a record of bonafide work carried out by them under my guidance and supervision.


PROJECT GUIDE

(Mr. D. DHANA PRASAD, M.Tech (Ph.D.))


HEAD OF THE DEPARTMENT

(Dr. D. SUDHA RANI, M.E, Ph.D.)

EXTERNAL EXAMINER

A PROJECT REPORT ON
**INTELLIGENT TRAFFIC CONTROL FOR EMERGENCY
VEHICLES USING RF TECHNOLOGY**

Submitted in partial fulfilment for the award of the degree of
BACHELOR OF TECHNOLOGY

In

Electrical and Electronics Engineering

By

Samayamanthula Deekshitha(19A81A0237)

Tirumala Sri Ganesh(19A81A0243)

Suravarapu N M Vamsi Kumar(19A81A0239)

Under the Esteemed Supervision of

MR. SK.MOULALI,M.Tech(Ph.D)

Assistant Professor



Department of Electrical and Electronics Engineering
(Accredited by N.B.A.)
SRI VASAVI ENGINEERING COLLEGE(Autonomous)
(Affiliated to JNTUK, Kakinada)
Pedatadepalli, Tadepalligudem-534101, A.P
2022-23

SRI VASAVI ENGINEERING COLLEGE (Autonomous)

Department Of Electrical and Electronics Engineering

Pedatadepalli, Tadepalligudem



Certificate

This is to certify that the Project Report entitled "**AN INTELLIGENT TRAFFIC CONTROL FOR EMERGENCY VEHICLES USING RF TECHNOLOGY**"

submitted By

Samayamanthula Deekshitha(19A81A0237), Tirumala Sri

Ganesh(19A81A0243), Suravarapu N M Vamsi Kumar(19A81A0239)

for the award of the degree of Bachelor of Technology in the Department of Electrical and Electronics Engineering during the academic year 2022-2023.

Name of Project Guide

Mr.SK. Moulali, M.Tech(Ph.D)

Assistant Professor

Head of the Department

Dr. D. Sudha Rani

Professor & HOD.

External Examiner