

**ELECTRICAL SYSTEMS DESIGN AND GREEN POWER (ESD & GP)
TRAINING CENTRE**
(An Industry Recognized Training Centre)

AUPTC
Advanced Ultra Power
Transmission Consultancy



**SREE
VIDYANIKETHAN**
Engineering College
(Autonomous)

INTERNSHIP CERTIFICATE

This is to certify that,

Ms. Shaik Karishma

*Student of Sree Vidyanikethan Engineering College, Tirupati has
successfully completed the Internship Program on Solar PV Power Infrastructure and
Solutions conducted by Electrical Systems Design and Green Power Training Centre,
Department of Electrical and Electronics Engineering, Sree Vidyanikethan Engineering
College (Autonomous), Tirupati in association with M/s. Advanced Ultra Power
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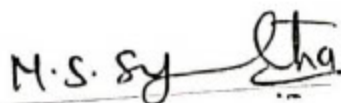
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This is to certify that,

Ms. R. Meghapriya

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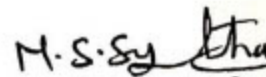
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Ms. K. Sravani

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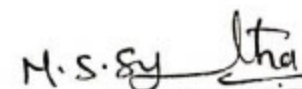
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This is to certify that,

Ms. K. Yamuna Maheswari

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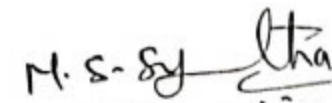
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Mr. Kadiri Yesepu

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This is to certify that,

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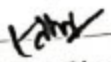
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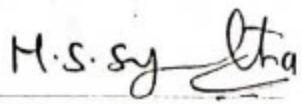
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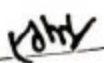
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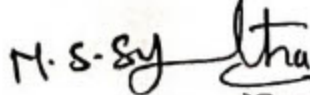
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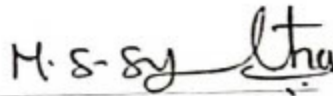
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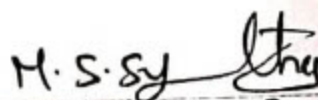
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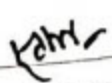
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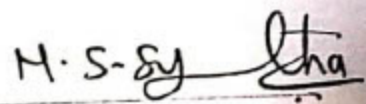
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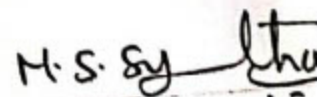
This is to certify that,

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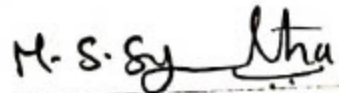
This is to certify that,

Mr. Konkala Kula Tharun Reddy

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
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
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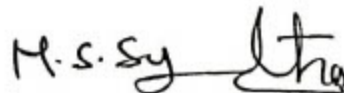
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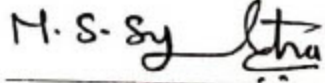
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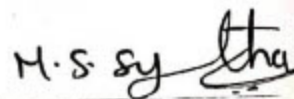
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
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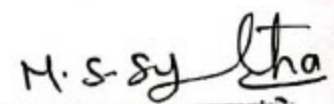
INTERNSHIP CERTIFICATE

This is to certify that,

Ms. Y.K. Tejaswini

Student of Sree Vidyanikethan Engineering College, Tirupati has
successfully completed the Internship Program on Solar PV Power Infrastructure and
Solutions conducted by Electrical Systems Design and Green Power Training Centre,
Department of Electrical and Electronics Engineering, Sree Vidyanikethan Engineering
College (Autonomous), Tirupati in association with M/s. Advanced Ultra Power
Transmission Consultancy (AUPTC), Gurgaon from 2nd to 13th December 2019.


Authorized Signatory
for Advanced Ultra Power Transmission Consultancy


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Sree Vidyanikethan Engineering College (Autonomous)

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(An Industry Recognized Training Centre)

AUPTC

Advanced Ultra Power
Transmission Consultancy




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Engineering College
(Autonomous)

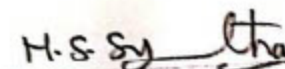
INTERNSHIP CERTIFICATE

This is to certify that,

Ms. Vadigepalli Jyothsna

Student of Sree Vidyanikethan Engineering College, Tirupati has
successfully completed the Internship Program on Solar PV Power Infrastructure and
Solutions conducted by Electrical Systems Design and Green Power Training Centre,
Department of Electrical and Electronics Engineering, Sree Vidyanikethan Engineering
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TRAINING CENTRE**
(An Industry Recognized Training Centre)

AUPTC
Advanced Ultra Power
Transmission Consultancy



**SREE
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Engineering College
(Autonomous)

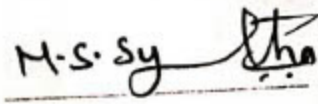
INTERNSHIP CERTIFICATE

This is to certify that,

Ms. S.Shilpa Bai

Student of Sree Vidyanikethan Engineering College, Tirupati has
successfully completed the Internship Program on Solar PV Power Infrastructure and
Solutions conducted by Electrical Systems Design and Green Power Training Centre,
Department of Electrical and Electronics Engineering, Sree Vidyanikethan Engineering
College (Autonomous), Tirupati in association with M/s. Advanced Ultra Power
Transmission Consultancy (AUPTC), Gurgaon from 2nd to 13th December 2019.


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Transmission Consultancy



**SREE
VIDYANIKETHAN**
Engineering College
(Autonomous)

INTERNSHIP CERTIFICATE

This is to certify that,

Mr. Shaik Mulinti Zakir Hussain

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successfully completed the Internship Program on Solar PV Power Infrastructure and

Solutions conducted by Electrical Systems Design and Green Power Training Centre,

Department of Electrical and Electronics Engineering, Sree Vidyanikethan Engineering

College (Autonomous), Tirupati in association with M/s. Advanced Ultra Power

Transmission Consultancy (AUPTC), Gurgaon from 2nd to 13th December 2019.

Kamy

Authorized Signatory
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H.S. Sy

HOD, EEE
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**ELECTRICAL SYSTEMS DESIGN AND GREEN POWER (ESD & GP)
TRAINING CENTRE**
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**SREE
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INTERNSHIP CERTIFICATE

This is to certify that,

Mr. Barma Swamy Naik Vankadavath

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successfully completed the Internship Program on Solar PV Power Infrastructure and

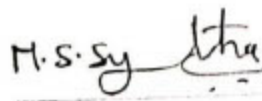
Solutions conducted by Electrical Systems Design and Green Power Training Centre,

Department of Electrical and Electronics Engineering, Sree Vidyanikethan Engineering

College (Autonomous), Tirupati in association with M/s. Advanced Ultra Power

Transmission Consultancy (AUPTC), Gurgaon from 2nd to 13th December 2019.


Authorized Signatory
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HOD, EEE
Sree Vidyanikethan Engineering College (Autonomous)

SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)

(An Autonomous institution affiliated to JNTUA, Anantapuramu)
Sree Sainath Nagar, Tirupati-517 102

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

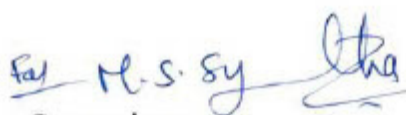


CERTIFICATE

This is to certify that the Project report entitled "IoT BASED SMART CONTROL OF LOAD REMOTELY WITH TARIFF ANALYSIS FOR DEMAND SIDE MANAGEMENT" submitted by

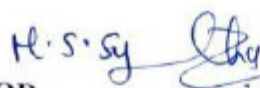
D TEJASWI	16121A0242
B C HARSHITHA	16121A0213
ANKE MAHESH	16121A0202
CHINNAMUDI YASHWANTH REDDY	16121A0236
EUDURU SIREESHA	16121A0256

To Department of EEE, Sree Vidyanikethan Engineering College, an autonomous institution affiliated to Jawaharlal Nehru Technological University Anantapur, Anantapuramu in partial fulfillment of the requirements for award of degree of **Bachelor of Technology** in Electrical and Electronics Engineering, is a bonafide work submitted by them under my supervision.



Supervisor:

Mr. A. MUNI SANKAR, M.Tech., [Ph.D.]
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the Project report entitled "SWITCHED CAPACITOR CONVERTER FOR INTEGRATED CIRCUITS" submitted by

A BHAVANI	16121A0212
C V JEEVITHESH	16121A0228
C KEERTHI	16121A0238
C AJAYBABU	16121A0234
G V MEGHANATH REDDY	16121A0263

to Department of EEE, Sree Vidyanikethan Engineering College, an autonomous institution affiliated to Jawaharlal Nehru Technological University Anantapur, Anantapuramu in partial fulfillment of the requirements for award of degree of **Bachelor of Technology** in Electrical and Electronics Engineering, is a bonafide work submitted by them under my supervision.



Supervisor:

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CERTIFICATE

This is to certify that the Project report entitled "FINITE ELEMENT ANALYSIS OF SWITCHED RELUCTANCE MOTOR FOR ELECTRIC VEHICLE APPLICATIONS" submitted by

ALUR PRIYA SAI KEERTHANA 16121A0201


DEVARAPALLI RUPA LAVANYA 16121A0247


GANDLURU GANESH 16121A0262

DINDUKURTHI SAI YASHWANTH 16121A0250

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to Department of EEE, Sree Vidyanikethan Engineering College, an autonomous institution affiliated to Jawaharlal Nehru Technological University Anantapur, Anantapuramu in partial fulfillment of the requirements for award of degree of **Bachelor of Technology** in Electrical and Electronics Engineering, is a bonafide work submitted by them under my supervision.

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING




CERTIFICATE


This is to certify that the Project report entitled "DEVELOPMENT OF QUASI Z-SOURCE BASED MODIFIED FIVE-LEVEL PACKED U-CELL INVERTER FOR PHOTOVOLTAIC APPLICATIONS " submitted by

ATURI SUSHMA	16121A0206
GANDHAM RAMU	16121A0261
CHAKALI SIVA RAMUDU	16121A0229
BOOSIGARI GOVARDHAN	16121A0226
BURGULA ARUN KUMAR	16121A0227

to Department of EEE, Sree Vidyanikethan Engineering College, an autonomous institution affiliated to Jawaharlal Nehru Technological University Anantapur, Anantapuramu in partial fulfillment of the requirements for award of degree of **Bachelor of Technology** in Electrical and Electronics Engineering, is a bonafide work submitted by them under my supervision.


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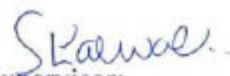



CERTIFICATE

This is to certify that the Project report entitled "OPTIMAL PLACEMENT AND SIZING OF DG IN THE DISTRIBUTION SYSTEM FOR LOSS MINIMIZATION AND VOLATGE STABILITY IMPROVEMENT" submitted by

CHINTHAPANTI SWATHI	16121A0240
DEVIREDDY KIRAN KUMAR REDDY	16121A0248
GOSALA KESAV KUMAR	16121A0267
ARLA SWARNA LATHA	16121A0205
DASARI SAI RUTHVIK	16121A0246

to Department of EEE, Sree Vidyanikethan Engineering College, an autonomous institution affiliated to Jawaharlal Nehru Technological University Anantapur, Anantapuramu in partial fulfillment of the requirements for award of degree of **Bachelor of Technology** in Electrical and Electronics Engineering, is a bonafide work submitted by them under my supervision.


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CERTIFICATE

This is to certify that the Project report entitled "A BRIDGELESS CUK CONVERTER BASED IMPROVED POWER QUALITY EV CHARGER" is the bonafide work done and submitted by

G MAHESH	16121A0258
BANDI YUVA CHANDRA REDDY	16121A0219
B V SUBRAMANYAM	16121A0225
CHENAMALA GANESH	16121A0233
BALAJI SRI HARSHA	16121A0216

In the department of EEE, **Sree Vidyanikethan Engineering College**, an autonomous institution affiliated to **Jawaharlal Nehru Technological University Anantapur, Anantapuramu** in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology** in **Electrical and Electronics Engineering**, during 2016-2020.


Guide:
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Associate Professor, Dept.of.EEE
Sree Vidyanikethan Engineering College
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Sree Sainath Nagar, Tirupati-517 102

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CERTIFICATE


This is to certify that the Project report entitled "SINGLE STAGE SOLAR PV FED BRUSHLESS DC MOTOR DRIVEN WATER PUMP " is the bonafide work done and submitted by

G R UDAY KUMAR REDDY	16121A0259
AVUTI GURU PRASAD	16121A0210
CHINNAJINKA KRISHNAVENI	16121A0235
ANUGULA THARUNVARDHAN	16121A0203
ARAVETI AMARNATH	16121A0204

In the department of EEE, Sree Vidyanikethan Engineering College, an autonomous institution affiliated to Jawaharlal Nehru Technological University Anantapur, Anantapuramu in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Electrical and Electronics Engineering, during 2016-2020.

For
H-S-Sy 
Guide:

Dr. P.SREENIVASA RAO, M.Tech., Ph.D.
Associate Professor Dept. of EEE
Sree Vidyanikethan Engineering College
A. Rangampet.

H-S-Sy 
HOD:

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Sree Sainath Nagar, Tirupati-517 102

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the Project report entitled "*IMPROVED PULSE WIDTH MODULATION SCHEME FOR T-TYPE MULTI LEVEL INVERTER*" submitted by

BANDI BHUVANESHWAR REDDY	16121A0218
GADIRAJU MANOGNA	16121A0260
CHINTALAPALI KUSUMA LATHA	16121A0237
EGGINA LOKESHWARA REDDY	16121A0255
BIJAPUR JAYASURYA	16121A0222

to Department of EEE, Sree Vidyanikethan Engineering College, an autonomous institution affiliated to Jawaharlal Nehru Technological University Anantapur, Anantapuramu in partial fulfillment of the requirements for award of degree of **Bachelor of Technology** in Electrical and Electronics Engineering, is a bonafide work submitted by them under my supervision.

Supervisor:

Dr.T.NAGESWARAPRASAD, M.Tech., PhD

Professor Department of EEE

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A. Rangampet.

HOD:

Dr.M.S.SUJATHA, M.Tech., Ph.D.

Professor, Department of EEE

Sree Vidyanikethan Engineering College

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CERTIFICATE

This is to certify that the Project report entitled “CASCADED SWITCHED-DIODE MULTILEVEL INVERTER FOR RENEWABLE ENERGY INTEGRATION” submitted by

GANTLA PRAKASH BABU	16121A0264
CHAVVA MEGHANA	16121A0232
CHAMACHERLA NITEESH	16121A0230
BHUVANAGIRI BHARATHI	16121A0221
AVVARU JAYA VISHNU	16121A0211

to department of EEE, Sree Vidyanikethan Engineering College, an autonomous institution affiliated to Jawaharlal Nehru Technological University Anantapur, Anantapuramu in partial fulfillment of the requirements for award of degree of **Bachelor of Technology** in Electrical and Electronics Engineering, is a bonafide work submitted by them under my supervision.

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CERTIFICATE

This is to certify that the Project report entitled "A LYAPUNOV FUNCTION BASED MODEL PREDICTIVE CONTROL FOR THREE PHASE GRID CONNECTED PHOTO VOLTAIC CONVERTERS" submitted by


DONELA BHUVANASREE	16121A0251
BODINORTHAM NANDINI	16121A0223
B YASWANTH GOWTHAM	16121A0217
DAMMAIPAVANKRISHNA	16121A0244
G NIKHIL	16121A0266

to department of EEE, Sree Vidyanikethan Engineering College, an autonomous institution affiliated to Jawaharlal Nehru Technological University Anantapur, Anantapuramu in partial fulfillment of the requirements for the award of the degree in **Bachelor of Technology** in Electrical and Electronics Engineering, is a bonafide work submitted by them under my supervision.

Guide:


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HOD:


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Professor Department of EEE
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Sree Sainath Nagar, Tirupati-517 102.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the report on the Project entitled "POWER SYSTEM FAULT DIAGNOSIS USING MACHINE LEARNING" submitted by

EDAGOTTI PAVANKUMAR	16121A0253
AVILALA DEDEEPPYA	16121A0208
GAYAKAWADA CHANDRASEKHAR	16121A0265
AVULA PRAVALIKA	16121A0209

to Department of EEE, Sree Vidyanikethan Engineering College, an autonomous institution affiliated to Jawaharlal Nehru Technological University Anantapur, Anantapuramu in partial fulfillment of the requirements for award of degree of Bachelor of Technology in Electrical and Electronics Engineering, is a bonafide work carried out and submitted by them under my supervision.

For

H.S.Sy [Signature]

Supervisor:

Dr. S. HEMACHANDRA, M.Tech., Ph.D.

Professor

Department of EEE

Sree Vidyanikethan Engineering College

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CERTIFICATE

This is to certify that the Project report, entitled "AUTOMATION OF SHOPPING MALLS USING INTELLIGENT SHOPPING CART" is the bonafide work done and submitted by

BESHTA ROOPADEV	16121A0220
EDDULA NAVYA SREE	16121A0254
BADDALA RANJITH KUMAR	16121A0214
AUDIPUDI NIRANJAN KUMAR	16121A0207

In the department of EEE, Sree Vidyanikethan Engineering College, an autonomous institution affiliated to Jawaharlal Nehru Technological University Anantapur, Anantapuramu in partial fulfillment of the requirements for the award of Bachelor of Technology in Electrical and Electronics Engineering, during 2016-2020.

Guide:

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HOD:

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the Project report entitled "DIGITAL CONTROL AND PROTECTION OF ELECTRIC MACHINE USING ZIGBEE TECHNOLOGY" is the bonafide work done and submitted by

DOODEKULA SULTHANBEE	16121A0252
G K HARSHINI	16121A0257
DHONI MAHENDRA	16121A0249
DAMERLA BHARGAV	16121A0243

In the department of EEE, Sree Vidyanikethan Engineering College, an autonomous institution affiliated to Jawaharlal Nehru Technological University Anantapur, Anantapuramu in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Electrical and Electronics Engineering, during 2016-2020.



Guide:

Dr. A. YASMINE BEGUM, M.E., Ph.D.
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the Project report entitled "SEVEN LEVEL HF ISOLATED INVERTER FOR SINGLE-PHASE GRID-CONNECTED SOLAR PHOTOVOLTAIC SYSTEM" submitted by

KUNCHA HARATHI	16121A02A5
MANGALI DINESH	16121A02B5
JUTURU YUNUS	16121A0278
KAMIREDDY PAVAN KUMAR	16121A0284
NELLEPALI HARIKA	16121A02D2

to Department of EEE, Sree Vidyanikethan Engineering College, an autonomous institution affiliated to Jawaharlal Nehru Technological University Anantapur, Anantapuramu in partial fulfillment of the requirements for award of degree of **Bachelor of Technology in Electrical and Electronics Engineering**, is a bonafide work submitted under my supervision.

For
H.S. Sy *[Signature]*

Supervisor:

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



This is to certify that Project report entitled "Reactive power compensation in transmission and distribution systems" submitted by

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K. CHAKRAPANI REDDY	16121A0295
J. PURNANANDA SIVA	16121A0274
O.S. DINESH VARMA	16121A02D4
M. SAIKIRAN NAIK	16121A02C4

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING




CERTIFICATE

This is to certify that the report on the project work entitled “CONTINGENCY ANALYSIS OF POWER SYSTEM BY PLACING FACTS DEVICES AT SUITABLE LOCATION USING PSO ALGORITHM” submitted by


GUNDU DHATRI PRIYANKA	16121A0268
MEEGADA MAMATHA	16121A02C0
KUDUMALA HARIKA	16121A02A3
KALLURU REETHU SOWMYA	16121A0283
KOTRAKONA LOKESH BABU	16121A0299

to Department of Electrical and Electronics Engineering, Sree Vidyanikethan Engineering College, an autonomous institution affiliated to Jawaharlal Nehru Technological University Anantapur, Anantapuramu in partial fulfillment of the requirements for the award of degree of **Bachelor of Technology** in Electrical and Electronics Engineering, is a bonafide work carried out and submitted by the team under my supervision.

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the report on the project work entitled "DEVELOPMENT OF A NEW SWITCHED QUASI Z SOURCE BASED DC-DC CONVERTER" submitted By

MODUPALLI BINDU MUNI	16121A02C1
M. JAYANTHI	16121A02A8
KUMBHAVATH THIRUPAL NAIK	16121A02A4
KALLUR PALAGIRI NIKHIL	16121A0282
MUDDAM VENKATA SAI TEJA	16121A02C6

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CERTIFICATE

This is to certify that the Project report entitled "POWER LOSS MINIMIZATION IN RADIAL DISTRIBUTION SYSTEM BY ALLOCATING DISTRIBUTED GENERATORS AND RECONFIGURATION USING AN ADVANCED ADAPTIVE DIFFERENTIAL EVOLUTION" is the bonafide work done and submitted by

JUJARE SAGARIKA	16121A0277
MABBU KARTHIK	16121A02A9
MULUGURU YASWANTH SAI	16121A02C7
KARTHI PRATHAP	16121A0291
KATHARI PRANAY RAJ	16121A0294

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CERTIFICATE

This is to certify that the Project report entitled "MODELLING OF DUAL-AXIS SOLAR TRACKING SYSTEM" is the bonafide work done and submitted by

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MALIKI REDDY DIVYA REDDY	16121A02B3
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CERTIFICATE

This is to certify that the Project report entitled "SOLAR PV MODULE INTEGRATION WITH THREE PHASE GRID USING HIGH GAIN DC- DC CONVERTER" is the bonafide work done and submitted by

KAPPETA VINAY KUMAR REDDY	16121A0289
NARALA SRINIVASULA REDDY	16121A02C9
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K.MANIDEEPAK	16121A02A1

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CERTIFICATE

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CERTIFICATE

This is to certify that the Project report entitled "DESIGN AND ANALYSIS OF DOUBLY SALIENT SWITCHED RELUCTANCE OUTER ROTOR MOTOR FOR ELECTRIC VEHICLE APPLICATIONS" is the bonafide work done and submitted by

KOTTE MOUNIKA	16121A02A0
KURUVA BHASKAR	16121A02A7
KUNCHALA MARY SHRAVYA	16121A02A6
MAKINENI SANDEEP KUMAR	16121A02B1
MALAVATHU SAI KRISHNA	16121A02B2

In the department of EEE, **Sree Vidyanikethan Engineering College**, an autonomous institution affiliated to **Jawaharlal Nehru Technological University Anantapur, Anantapuramu** in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Electrical and Electronics Engineering**, during 2016- 2020.

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This is to certify that the Project report entitled "SHORT CIRCUIT FAULT DETECTION AND LOCATION IN UNDERGROUD CABLES USING ARDUINO" is the bonafide work done and submitted by

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This is to certify that the report on the project work entitled "SMART SYSTEM FOR DETECTION OF TOXIC GASES" submitted by

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ISUKAPALLI SUMA	16121A0271
KONGANAPALLI VINAY KUMAR	16121A0298
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CERTIFICATE

This is to clarify that the project report entitled “**DUAL FREQUENCY INDUCTION HEATING USING SINGLE POWER CONVERTER**” submitted by

Jagu Sudarsan Reddy (16121A0272)

Momin Shaik Suhel Basha (16121A02C3)

Kanuru Manoj (16121A0286)

Gunthanakkala Navateja (16121A0269)

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CERTIFICATE

This is to certify that the Project report entitled "SIMULATION OF DIRECT TORQUE CONTROL OF INDUCTION GENERATOR USED IN WIND ENERGY CONVERSION SYSTEM WITH TIME OPTIMIZED SPACE VECTOR BASED HYBRID BUS CLAMPING PWM TECHNIQUE" is the bonafide work done and submitted by

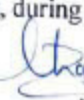
MAGULURU VENKATA SAI MANISH	16121A02B0
KADAINITY MEGHANA REDDY	16121A0281
MOOLI PAVAN KUMAR REDDY	16121A02C5
MANNEM NAGA VAMSIDHARA REDDY	16121A02B6
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In the department of EEE, Sree Vidyanikethan Engineering College, an autonomous institution affiliated to Jawaharlal Nehru Technological University Anantapur, Anantapuramu in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Electrical and Electronics Engineering, during 2016-2020.

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This is to certify that Project report entitled “GRID INTERACTIVE SOLAR PV BASED WATER PUMPING USING BLDC MOTOR DRIVE” submitted by

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POLIREDDY NARENDRA REDDY	16121A02F6
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CERTIFICATE

This is to certify that the Project report entitled “Intelligent Threat Monitoring Framework for IoT” is the bonafide work done and submitted by

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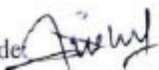


CERTIFICATE

This is to certify that Project report entitled "DESIGN AND PERFORMANCE ANALYSIS OF THREE PHASE SOLAR PV INTEGRATED UPQC" submitted by

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CERTIFICATE

This is to certify that the report on the project work entitled "ANALYZE, IDENTIFY AND DETERMINE FAULTS ON THREE PHASE TRANSMISSION SYSTEM" submitted by

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CERTIFICATE

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CERTIFICATE

This is to certify that the Project report entitled "EVOLUTIONARY ALGORITHM BASED REACTIVE POWER COMPENSATION IN DISTRIBUTION SYSTEM USING D-STATCOM" is the bonafide work done and submitted by

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CERTIFICATE

This is to certify that the report on the project work entitled "OPTIMAL REACTIVE POWER DISPATCH USING IMPROVED WHALE OPTIMIZATION ALGORITHM FOR REDUCING ACTIVE POWER LOSSES IN TRANSMISSION NETWORK" submitted by

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CERTIFICATE

This is to certify that the Project report entitled "MULTILEVEL INVERTER WITH DIFFERENT SWITCHING TECHNIQUES AND CONTROL STRATEGIES." Is the bonafide work done and submitted by

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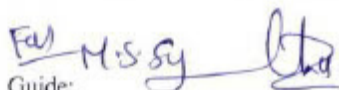


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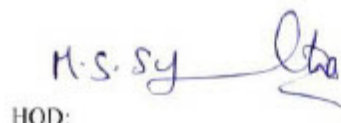
This is to certify that Project report entitled "NEURAL NETWORK BASED LOAD FORECASTING THROUGH TIME SERIES ANALYSIS METHOD" submitted by

SAGILI USHA	16121A02G8
PARIMI HEMANTH SAI NAIDU	16121A02E5
VADDE HARI PRASAD	16121A02K4
PUNNAKU MADHU	16121A02G1
SUGALI SHILPA BAI	16121A02J3

to department of EEE, Sree Vidyanikethan Engineering College, an autonomous institution affiliated to Jawaharlal Nehru Technological University Anantapur, Anantapuramu in partial fulfilment of the requirements for award of degree of Bachelor of Technology in Electrical and Electronics Engineering, is a bonafide work submitted by them under my guidance.


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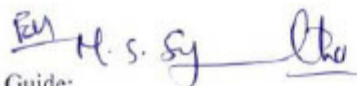


CERTIFICATE

This is to certify that Project report entitled "RADIAL BASIS FUNCTION NETWORK BASED MPPT ALGORITHM FOR PEMFC SYSTEM USED IN ELECTRIC VEHICLE APPLICATIONS" submitted by

SAMPATH PRAVEEN SAI	16121A02H2
SHAIK ASEEMA	16121A02H4
VANIPENTA KHADAR BASHA	16121A02K9
THANIKANTI GUNAVARDHAN	16121A02J9
SALAPAKAM RUCHITH	16121A02H0

to department of EEE, Sree Vidyanikethan Engineering College, an autonomous institution affiliated to Jawaharlal Nehru Technological University Anantapur, Anantapuramu in partial fulfilment of the requirements for award of degree of Bachelor of Technology in Electrical and Electronics Engineering, is a bonafide work submitted by them under my guidance.



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the Project report entitled "AUTOMATED ELECTRIC TRACTOR FOR FARMING APPLICATIONS" is the bonafide work done and submitted by

PASALA SHRUTHI	16121A02E7
SUNDRAPALYAM VAASISTA KRISHNA	16121A02J4
VARAGADAPU PRIYANKA	16121A02L0
PULLAGANTI SUBRAMANYAM	16121A02G0
PULIPAKALA SAIKRISHNA	16121A02F9

In the department of EEE, Sree Vidyanikethan Engineering College, an autonomous institution affiliated to **Jawaharlal Nehru Technological University Anantapur, Anantapuramu** in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Electrical and Electronics Engineering**, during 2016-2020.

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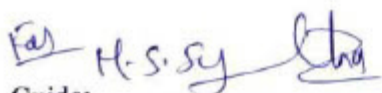


CERTIFICATE

This is to certify that the Project report entitled “DESIGN AND ANALYSIS OF HYBRID PV-PEMFC SYSTEM WITH MPPT CONTROLLER FOR A THREE PHASE CONNECTED SYSTEM” is the bonafide work done and submitted by

SAKE BHARATH KISHORE	16121A02G9
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POLURU YAMINI	16121A02F8
TALURI JAHNAVI PRIYA	16121A02J7
PAMUJULA PRANAY KUMAR	16121A02E4

In the department of EEE, Sree Vidyanikethan Engineering College, an autonomous institution affiliated to Jawaharlal Nehru Technological University Anantapur, Anantapuramu in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Electrical and Electronics Engineering, during 2016-2020.



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that Project report entitled "DESIGN AND IMPLEMENTATION OF SINGLE STAGE DUAL LEG INVERTER FOR HYBRID POWER GENERATION" submitted by

P. MANJUNATH

16121A02F3

P. KAVYA

16121A02D8

V. LALU NAIK

16121A02K6

S. SUCHARITHA

16121A02J1

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CERTIFICATE

This is to certify that the Project report entitled "MODELLING AND ANALYSIS OF MATH FUNCTION BASED PID CONTROLLER FOR HYBRID ELECTRIC VEHICLE" is the bonafide work done and submitted by

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P. M. GUNA TEJA	16121A02D9
V. SANDEEP KUMAR	16121A02K3
V. NIKHILESHWAR	16121A02K8

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CERTIFICATE

This is to certify that Project report entitled “**DESIGN AND IMPLEMENTATION OF SINGLE STAGE DUAL LEG INVERTER FOR HYBRID POWER GENERATION**” submitted by

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M. SARATH CHANDRA	17125A0229
G. NAVYA SRI	17125A0218

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This is to certify that the report on the Project entitled "AUTOMATIC POWER FACTOR CONTROLLING USING ARDUINO" submitted by

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K. SAICHARAN REDDY	17125A0223
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S. KARAMTULLA	17125A0247

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CERTIFICATE

This is to certify that the report on the project work entitled “**ENHANCEMENT OF POWER QUALITY IN A PV POWER INJECTION BASED DSTATCOM WITH VARIABLE DC-LINK VOLTAGE CONTROL FROM RSC-MLC**” submitted by

VASEEM KHAN BAHAMANI	16121A02L2
YANAMALA RUCHITHA	17125A0254
BADABALANNAGARI RENUKA DEVI	17125A0201
Y AJAY	17125A0253
M BHASKAR	17125A0228

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Supervisor:

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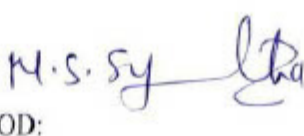
This is to certify that the report on the project entitled “**SIZING OF SOLAR PV POWERED WATER PUMPING SYSTEM TO SUSTAIN THE AGRICULTURE**” is the bonafide work done and submitted by

YERUKULA ANITHAMMA	16121A02M3
VANGAPATI YASWANTH	17125A0252
PAGADALA AJAY KUMAR	17125A0239
KATTA KARTHEEK	17125A0222
GAJA VAMSI KRISHNA	17125A0213

In the Department of EEE, Sree Vidyanikethan Engineering College, an autonomous institution affiliated to Jawaharlal Nehru Technological University Anantapur, Anantapuramu in partial fulfillment of the requirements for award of degree of **Bachelor of Technology** in Electrical and Electronics Engineering, is a bonafide work carried out and submitted by him under my supervision.

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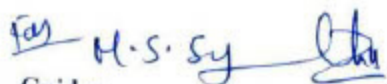


CERTIFICATE

This is to certify that the Project report entitled "AN IoT BASED LOW COST AIR POLLUTION MONITORING SYSTEM" is the bonafied work done and submitted by

YANGAREDDY SRUTHI	16121A02L7
KOSURI LAKSHMINARAYANA REDDY	17125A0227
JETTY NITHIN SAI RAHUL	17125A0219
DUDEKULA SAHEENA	17125A0211
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the Project report entitled “**DESIGN OF MULTI OUTPUT SWITCHED-CAPACITOR BASED DC-DC CONVERTER FOR LOW POWER APPLICATIONS**” is the bonafide work done and submitted by

YARABOLU SANDEEP	16121A02L8
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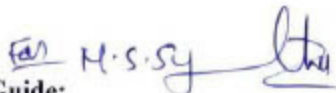
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING




This is to certify that the Project report entitled “**OPERATION COST MINIMIZATION OF A MICROGRID IN GRID CONNECTED AND ISLANDED MODE USING SOCIAL LEARNING PARTICLE SWARM OPTIMIZATION ALGORITHM**” is the bonafide work done and submitted by

VELURU SANTHOSH	16121A02L3
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CERTIFICATE

This is to certify that the report on the Project entitled "**A CUK CONVERTER BASED POWER FACTOR CORRECTED LLC RESONANT CONVERTER FOR AN ELECTRIC VEHICLE CHARGER**" submitted by


YALIGANDLA KONDA TEJASWINI	16121A02L5
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GANGABATHINI PAVAN KALYAN	17125A0215
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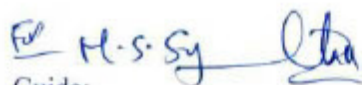


CERTIFICATE

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CERTIFICATE

This is to certify that the Project report entitled “**DESIGN AND DEVELOPMENT OF PV SYSTEM FOR UTILIZATION OF SOLAR ENERGY ON THE ROOF OF BUSES**” is the bonafide work done and submitted by

YARRAGUNTLA SAGILI PRAVAL KISHORE	16121A02M2
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the Project report entitled “**OPTIMAL ALLOCATION OF DG UNITS IN LARGE SCALE DISTRIBUTION NETWORK USING HYBRID COMPETITIVE SWARM OPTIMIZATION (CSO) ALGORITHM**” is the bonafide work done and submitted by

SONDRA PRAVALLIKA	17125A0246
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P VANI	14121A02F2
MEKALA AJAYA RATNA MRUKESH	17125A0234
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CERTIFICATE

This is to certify that the Project report entitled "DEVELOPMENT OF NON-MAGNETIC VOLTAGE RATIOS USING SWITCH CONVERTER TOPOLOGIES FOR OFF-CHIP CIRCUITS." is the bonafide work done and submitted by

SHAIK KHUNAL FARSHAN ALI	17125A0244
NANDALAPADU MOHAMMED ARIEF	17125A0237
SHAIK ABDUL RASHEEQ	17125A0242
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the report on the Project entitled "**MONITORING AND PROTECTION OF TRANSFORMER USING GSM MODULE**" submitted by

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GODALA SURENDRANATH REDDY	17125A0217
BADRAPPAGARI SUNOD KUMAR	17125A0203
D VAMSI KUMAR	17125A0210
SHAIK MUZAFFAR AHAMED	17125A0245

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Sree Vidyanikethan Engineering College

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SREE VIDYANIKETHAN ENGINEERING COLLEGE

(An Autonomous institution affiliated to JNTUA, Anantapuramu)

Sree Sainath Nagar, Tirupati-517 102.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the report on the Seminar entitled "THERMOELECTRIC BASED CHARGING SYSTEM FOR ELECTRONIC GADGETS" submitted by

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to Department of EEE, Sree Vidyanikethan Engineering College, an autonomous institution affiliated to Jawaharlal Nehru Technological University Anantapur, Anantapuramu in partial fulfillment of the requirements for award of degree of **Bachelor of Technology** in Electrical and Electronics Engineering, is a bonafide work carried out and submitted by them under my supervision.

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