

CERTIFICATE

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



This is to certify that the thesis entitled "**Comparative analysis of various MPPT techniques for a stand alone photovoltaic system**" that is being submitted by

PEPAKAYALA VISHWESH	17P35A0219
REDDY MOUNIKA	17P35A0224
SIDDA SARANYA	17P35A0229
PADALA SIVA SAI KRISHNA	17P35A0216
CHELLURI SAI PAVAN	15P31A0205

in fulfilment of the requirements for the award of degree of **B.Tech in ELECTRICAL AND ELECTRONICS ENGINEERING** is a record of bonified work carried out by them under the guidance and supervision of Sri.A.Abhishek.

Project Guide


SRI.A.ABHISHEK
M.Tech
Assistant Professor

Head of the Department


Mr. RAJESH
MURARI
M.Tech,(Ph.D)
Associate Professor


PRINCIPAL
Aditya College of Engineering
& Technology
SURAMPalem-533437

CERTIFICATE

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



This is to certify that the thesis entitled “**Optimal Allocation of DGs and AVR in Radial Distribution Networks Using Harmonic Search Algorithm**” that is being submitted by

YELLUBANDI SUDHEER SYAM LOKESH	17P35A0230
POSUKURI ANIL KUMAR	17P35A0222
PRADEEPTHI BAKKI	16P31A0227
PATCHAMALLA RAJA	17P35A0218
PILLI RAMESH	17P35A0220

in fulfilment of the requirements for the award of degree of **B.Tech in ELECTRICAL AND ELECTRONICS ENGINEERING** is a record of bonified work carried out by them under the guidance and supervision of **Sri.K.R.K.V.PRASAD**

Project Guide


Sri.K.R.K.V.PRASAD
M.Tech,(Ph.D)
Associate Professor

Head of the Department


Mr. RAJESH
MURARI
M.Tech,(Ph.D)
Associate Professor


Aditya Engineering College
& Technology
SURAMPalem-533037

CERTIFICATE

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



This is to certify that the thesis entitled "**Control and operation of a DC grid based wind power generation system in a micro grid** " that is being submitted by

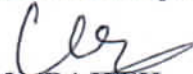
THOTAKURA SATYA SURESH	17P35A0226
PRAVEEN KUMAR	16P31A0242
SOLASA DURGA PRASAD	16P31A0232
ANAMIKA MONDAL	17P35A0233
NALLAMILLI RAMAKRISHNA REDDY	16P31A0225

in fulfilment of the requirements for the award of degree of **B.Tech in ELECTRICAL AND ELECTRONICS ENGINEERING** is a record of bonified work carried out by them under the guidance and supervision of Mrs.V.U.P.Lavanya

Project Guide


Mrs. V.U.P. LAVANYA
M.Tech
Assistant Professor

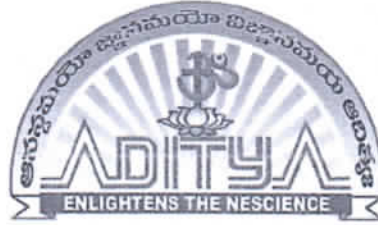
Head of the Department


Mr. RAJESH
MURARI
M.Tech,(Ph.D)
Associate Professor


PRINCIPAL
Aditya College of Engineering
& Technology
SURAMPALEM-533037

CERTIFICATE

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



This is to certify that the thesis entitled "**Implementation of real time clock based optimum sun tracking energy system**" that is being submitted by

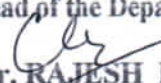
NEELI PAVANI VANI	17P35A0214
N.V.A.M VISWANATH	17P35A0213
MANAM VISWESWARA RAO	17P35A0210
DINTAKURTHI SATHWIK	16P31A0208
BAIPUREDDI TRINADH	16P31A0210


in fulfilment of the requirements for the award of degree of **B.Tech in ELECTRICAL AND ELECTRONICS ENGINEERING** is a record of bonified work carried out by them under the guidance and supervision of Dr. B RAJANI.


Project Guide

Dr.B RAJANI
M.Tech,Ph.D
Associate Professor

Head of the Department


Mr. RAJESH MURARI
M.Tech,(Ph.D)
Associate Professor


PRINCIPAL
Aditya College of Engineering
& Technology
SURAMPALEM-533437

CERTIFICATE

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



This is to certify that the thesis entitled “An ultra capacitor integrated power conditioner for intermittency smoothing and improving power quality of distributed grid” that is being submitted by

MUNGARA SHANKAR	17P35A0208
BANDI SANDEEPIKA	16P31A0201
CHINTALA ARAVIND	17P35A0202
KAVULURI PAVAN KUMAR	17P35A0207
GANNAVARAPU S K S CHAKRAVATHY	16P31A0211
KANCHIPATI RAJU	17P35A0206

in fulfilment of the requirements for the award of degree of **B.Tech in ELECTRICAL AND ELECTRONICS ENGINEERING** is a record of bonified work carried out by them under the guidance and supervision of Sri.K.Venkatesh.

Project Guide


Sri.K.Venkatesh
M.Tech
Assistant Professor

Head of the Department


Mr. RAJESH
MURARI
M.Tech,(Ph.D)
Associate Professor


PRINCIPAL
Aditya College of Engineering
& Technology
C.U. No. 12-533637

CERTIFICATE

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



This is to certify that the thesis entitled "Substation monitoring and control based on microcontroller using GSM" that is being submitted by

NEKKALA GOVINDHU	17P35A0215
GOWTHU JYOTHI	16P31A0214
POKANATI KUSUMA	16P31A0219
MEDISETTY DURGA PRASAD	16P31A0222
EEDARA VINEETH	16P31A0209

in fulfilment of the requirements for the award of degree of **B.Tech in ELECTRICAL AND ELECTRONICS ENGINEERING** is a record of bonified work carried out by them under the guidance and supervision of Sri.P.SUBBARAJU.

Project Guide


Sri.P.SUBBARAJU
M.Tech
Assistant Professor

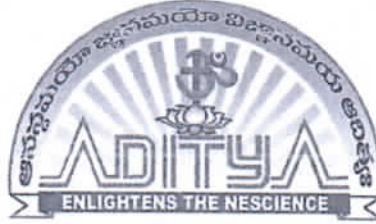
Head of the Department


Mr. RAJESH
MURARI
M.Tech,(Ph.D)
Associate Professor


PRINCIPAL
Aditya College of Engineering
& Technology
SURAMPALM-533437

CERTIFICATE

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



This is to certify that the thesis entitled "Prepaid energy meter using smart card" that is being submitted by

YALLA VEERA VENKATA SUDHAMAI	17P35A0209
GANGU NAVEEN	17P35A0203
CHIKKAM NAGA GANAPATHI	16P31A0205
HARISH SANGISETTI	17P35A0205
BOTLA VIJAY CHAND	16P31A0204

in fulfilment of the requirements for the award of degree of B.Tech in ELECTRICAL AND ELECTRONICS ENGINEERING is a record of bonified work carried out by them under the guidance and supervision of Mrs.S.VANI.

Project Guide


Mrs.S.VANI
M.Tech
Assistant Professor

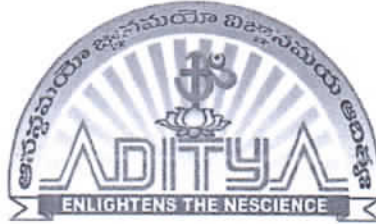
Head of the Department


Mr. RAJESH
MURARI
M.Tech,(Ph.D)
Associate Professor


PRINCIPAL
Aditya College of Engineering
& Technology
SURAMPALAI-533437

CERTIFICATE

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



This is to certify that the thesis entitled “Five level torque controller based DTC method for a cascaded three level inverter fed IM drive” that is being submitted by

YALLA VEERA VENKATA RAMESH	17P35A0228
UMMELLA DEEPTHIRAM	16P31A0239
SHEIK RASOOL	16P31A0231
SUKANTA DHARA	16P31A0233
REDDY LAKSHMI BHARANI	16P31A0228

in fulfilment of the requirements for the award of degree of **B.Tech in ELECTRICAL AND ELECTRONICS ENGINEERING** is a record of bonified work carried out by them under the guidance and supervision of Sri.R.Srinivas.

Project Guide

Sri.R.SRINIVAS
M.Tech
Assistant Professor

Head of the Department

Mr. RAJESH
MURARI
M.Tech,(Ph.D)
Associate Professor

Aditya College of Engineering
& Technology
SURAMPALLEM-533437

CERTIFICATE

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



This is to certify that the thesis entitled “**Hybrid power generation system using wind and solar energy**” that is being submitted by

MEESALA DIVYA

17P35A0211

NAGENDRA BABU

16P31A0215

BOKAM VAMSI SRINIVAS

16P31A0203

KAMIREDDI RAVI KIRAN

16P31A0216

MUPPIDI SURYA CHANDRA REDDY

17P35A0212


in fulfilment of the requirements for the award of degree of **B.Tech in ELECTRICAL AND ELECTRONICS ENGINEERING** is a record of bonified work carried out by them under the guidance and supervision of Mrs.K.Varalakshmi.

Project Guide

Mrs.K.Varalakshmi
M.Tech,(Ph.D)
Sr.Assistant Professor

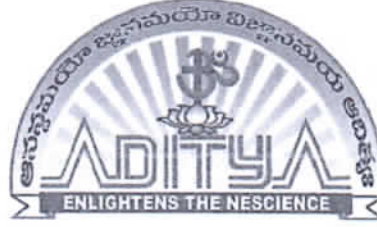
Head of the Department

MR. RAJESH
MURARI
M.Tech,(Ph.D)
Associate Professor


PRINCIPAL
Aditya College of Engineering
& Technology
SURAMPALEM-533437

CERTIFICATE

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



This is to certify that the thesis entitled “Simulation analysis of photovoltaic integrated distributed generation system” that is being submitted by

GOLLAPALLI GANGADHAR SRINIVAS	16P31A0213
BODDU RAMYA	16P31A0202
DESABATHULA SUREKHA	16P31A0207
GOKAVARAPU ABHISHEKTH	16P31A0212
KADALI PAVAN VARMA	16P31A0220

in fulfilment of the requirements for the award of degree of B.Tech in ELECTRICAL AND ELECTRONICS ENGINEERING is a record of bonified work carried out by them under the guidance and supervision of Sri.S.R.RAMESH.

Project Guide

Sri.S.R.RAMESH
M.Tech
Assistant Professor

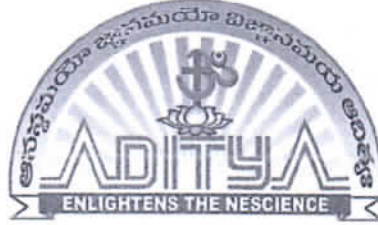
Head of the Department

Mr. RAJESH
MURARI
M.Tech,(Ph.D)
Associate Professor

PRINCIPAL
Aditya College of Engineering
& Technology
SURAMPalem-533037

CERTIFICATE

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



This is to certify that the thesis entitled “**Design and implementation of an 11-level inverter with facts capability for distributed energy systems**” that is being submitted by

LAKSHMI AMRUTHA CHALUVADHI	17P35A0232
VAKADA V V SATYA SAI RAMADEVI	16P31A0241
RAYAPATI ANIL KUMAR	17P35A0223
VINTI SRI MANIKANTA	17P35A0227
U.VENKATA NAGA KRISHNA PRASAD	16P31A0240


in fulfilment of the requirements for the award of degree of **B.Tech in ELECTRICAL AND ELECTRONICS ENGINEERING** is a record of bonified work carried out by them under the guidance and supervision of Sri.R.VENKATESH.

Project Guide


Sri.R.VENKATESH
M.Tech
Assistant Professor

Head of the Department


Mr. RAJESH
MURARI
M.Tech,(Ph.D)
Associate Professor


PRINCIPAL
Aditya College of Engineering
& Technology
SIRSAMBALEM-533437

CERTIFICATE

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING




This is to certify that the thesis entitled "**Power Quality Enhancement of smart Households Using a Multilevel with a PR controller**" that is being submitted by

YANDAPALLI SAI SRI HARSHA	16P31A0238
MULLAPUDI SATYA SAI VARA PRASAD	16P31A0224
TIPPANA RAVI	16P31A0237
RELANGI SAI KUMAR	16P31A0230
JEENU RAJU	13P31A0267

in fulfilment of the requirements for the award of degree of **B.Tech in ELECTRICAL AND ELECTRONICS ENGINEERING** is a record of bonified work carried out by them under the guidance and supervision of **Sri.Y.CHIRANJEEVI**.

Project Guide


Sri.Y.CHIRANJEEVI
M.Tech
Assistant Professor

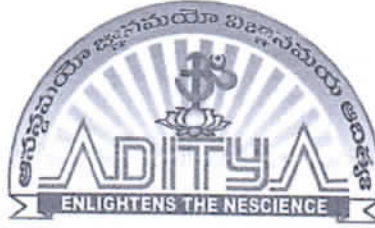
Head of the Department


Mr. RAJESH
MURARI
M.Tech,(Ph.D)
Associate Professor


PRINCIPAL
Aditya College of Engineering
& Technology
SURAMPALEM-533437

CERTIFICATE

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



This is to certify that the thesis entitled "Speed control of BLDC motor using Bluetooth and Android Technology" that is being submitted by

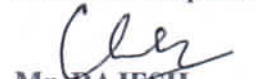
PASUPALETI VIJAYBABU	17P35A0217
ROHIT KUMAR	16P31A0243
REDNAM DILEEP	16P31A0229
SETTI SOMUSEKHAR	17P35A0225
DEEPAK KUMAR VERMA	15P31A0247

in fulfilment of the requirements for the award of degree of **B.Tech in ELECTRICAL AND ELECTRONICS ENGINEERING** is a record of bonified work carried out by them under the guidance and supervision of Sri.P.SRIDHAR.

Project Guide


Sri.P.SRIDHAR
M.Tech
Assistant Professor

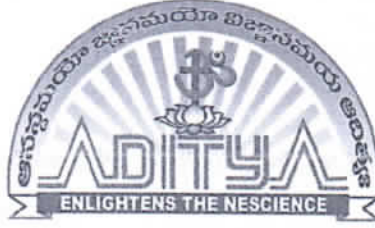
Head of the Department


Mr. RAJESH
MURARI
M.Tech,(Ph.D)
Associate Professor


PRINCIPAL
Aditya College of Engineering
& Technology
SURAMPALEM-533437

CERTIFICATE

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



This is to certify that the thesis entitled "Smart prepaid Energy meter with Tampering protection and SMS based notification that is being submitted by

SURAPUREDDY L.SOWMYA DEEPIKA	16P31A0234
MODUKURI VISALAKSHI	16P31A0223
PITHANI RAKESH	17P35A0221
P.VENKATA SIVA VARA PRASAD	16P31A0226
THORATI MANIKANTA PAVAN JAIRAM	16P31A0236


in fulfilment of the requirements for the award of degree of **B.Tech in ELECTRICAL AND ELECTRONICS ENGINEERING** is a record of bonified work carried out by them under the guidance and supervision of Sri.M.RAJESH.

Project Guide

Sri.M.RAJESH
M.Tech(Ph.D)
Associate Professor

Head of the Department


Mr. RAJESH
MURARI
M.Tech,(Ph.D)
Associate Professor


PRINCIPAL
Aditya College of Engineering
& Technology
SURAMPATI.M-533037