

# ADITYA COLLEGE OF ENGINEERING AND TECHNOLOGY

## DEPARTMENT OF EEE

Approved by AICTE, Permanently Affiliated to JNTUK & Accredited by NAAC 'A+' Grade  
Recognized by UGC under Sections 2(f) and 12(B) of UGC Act, 1956  
Aditya Nagar, ADB Road, Surampalem – 533 437, E.G. Dist., A.P.,  
2019-2023



This is to certify that the project report "**SMART SOLAR CELL E-WARNING SIGNS BOARD CONTROL FOR SOCIAL DISTANCING ALERT**" is being submitted by

NAKKELLA PAVAN	20P35A0230
M P SAI KUMAR	20P35A0236
ANKIT KACHHAP	19P31A0201
DEVAKURTHI APARNA	19P31A0202

In the partial fulfillments of the requirements for award of the B.Tech degree in Electrical and Electronics Engineering for the academic year 2022-2023.. It is the record of bonafide work carried out by them under the esteemed guidance and supervision of **Mrs.SANA VANI** M. Tech Assistant Professor

  
Project Guide

**Mrs. SANA VANI** M.Tech  
Assistant Professor in EEE  
Department of EEE

  
Head of the Department

**Mr. Rajesh Murari**, M.Tech(Ph.D)  
Associate Professor in EEE & HOD  
Department of EEE

**EXTERNAL EXAMINER**

# CERTIFICATE



This is to certify that project report entitled "**PV INTEGRATED MULTI FUNCTIONAL OFF-BOARD EV CHARGER WITH IMPROVED GRID POWER QUALITY**" is being submitted by

**NALLANTI RAGHAVA MANIKATA**

**20P35A0208**

**KARRI RAGHAVENDRA**

**20P35A0210**

**BALLA DEVI KALYAN**

**20P35A0202**

**NAKKINA PRASAD**

**19P31A0204**

In the partial fulfilment of the requirements for the award of degree of the **Bachelor of Technology in Electrical and Electronics Engineering**. It is the record of bonafide work carried out by them under the esteemed guidance and supervision of **Ms. K PRABHA RANI**, M. Tech., Assistant Professor.

**Project Guide**

**Ms. K PRABHA RANI**, M.Tech  
Assistant Professor

**Head of the Department**

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

**EXTERNAL EXAMINER**

**Department Of Electrical and Electronics Engineering**

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Aditya Nagar, ADB Road, Surampalem – 533 437.

**2019-2023**

## CERTIFICATE



This is to certify that the main project work entitled **"MECHANICAL FOOTSTEP POWER GENERATION USING RACK AND PINION"** being submitted by

K. SHYAM	-	20P35A0234
M. YASWANTH NAVEEN	-	20P35A0217
CH. VEERABABU	-	20P35A0223
G. SRINIVAS	-	20P35A0211

In a partial fulfilment of the requirement for the award of the B. Tech degree in ELECTRICAL AND ELECTRONICS ENGINEERING for the academic year 2022-2023. The results embodied in this project report have not been submitted to any other institute or University for the award of any degree or diploma

  
**PROJECT GUIDE:**

Mr. S. REDDY RAMESH  
Asst. Professor M. Tech  
Dept. of EEE

  
**HEAD OF THE DEPARTMENT:**

Mr. RAJESH MURARI  
Associate Professor M. Tech (Ph. D)  
Dept. of EEE

**EXTERNAL EXAMINER**

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**  
**ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY**

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Accredited by NBA, Accredited by NAAC(A+ ) with CGPA of 3.4  
Surampalem, ADB road, East Godavari District, A.P. India  
2019-2023




## CERTIFICATE



This is to certify that project report entitled **"IOT BASED MASTER AND SLAVE ROBOTIC MANIPULATOR"** is being submitted by

NASAMSETTI MANI KANTA	20P35A0215
MUDDANA JAYA VENKATA PRAKASH	19P31A0203
APPANA NEERAJ	20P35A0242
DIWAKAR POLAMARASETTY	20P35A0243
BEERABOINA. DURGA PRASAD	20P35A0246

In the partial fulfilment of the requirements for the award of degree of the Bachelor of Technology in Electrical and Electronics Engineering. It is the record of bonafide work carried out by them under the esteemed guidance and supervision of Mr. RAJESH MURARI MTech., (Ph. D)

  
Head of the Department  
Mr. RAJESH MURARI MTech., (Ph.D.)  
Associate Professor

EXTERNAL EXAMINER

Department of Electrical and Electronics Engineering

**ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY**

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2019-2023

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& NBA, Recognized by UGC under Sections 2(f) and 12(B) of UGC Act, 1956  
Aditya Nagar, ADB Road, Surampalem – 533 437 2019-2023



This is to certify that project report entitled "A SOLID STATE TRANSFORMER BASED FAST CHARGING STATION FOR ALL CATEGORIES OF ELECTRIC VEHICLE" is being submitted by

**KARRI SIVARAM DURGA**

**20P35A0207**

**MEDISETTI NAGENDRA**

**20P35A0227**

**TALABATHULA RAJESH**

**20P35A0231**

**BALJI ANIL KUMAR**

**20P35A0233**

In the partial fulfillment of the requirements for the award of degree of the Bachelor of Technology in Electrical and Electronics Engineering, It is the record of bonafide work carried out by them under the esteemed guidance and supervision of **Ms.K.Varalakshmi, M.Tech.(Ph.D.), Sr.Assst.Professor.**

  
Project Guide

**Ms.K.VARALAKSHMI, M.Tech.,(Ph.D.),**

Senior Assistant professor

  
Head Of The Department

**Mr.RAJESH MURARI, M.Tech.,(Ph.D.),**

Associate Professor

## CERTIFICATE

### **ADITYA COLLEGE OF ENGINEERING AND TECHNOLOGY**

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NAAC(A+), Accredited by NBA Recognized by UGC under Sections 2(f) and 12(B)  
of UGC Act, 1956 Aditya Nagar, ADB Road, Surampalem – 533 437.



This is to certify that the main project report entitled “Wireless Energy Meter monitoring  
with automatic tariff calculation using IoT” being submitted by

VELURU THARUN	20P35A0237
TOGARU SATYA SAI PRASAD RAO	20P35A0226
GUNDEBOINA RAJA SEKHAR	20P35A0218
CHIPPALA SAI RAM	20P35A0204

In partial fulfillment of the requirement for the award of the Degree of **Bachelor of  
Technology in Electrical and Electronics Engineering**. It is a record of the bonafide work,  
carried out by them under esteemed guidance and supervision of

Mr .V RAMAKRISHNA, M.Tech, (Ph.D)

Assistant professor

  
Project guide

MR. V. RAMAKRISHNA, M.Tech, (Ph.D),

Assistant professor

  
Head of the Department

MR. RAJESH MURARI, M.Tech,  
M.I.S.T.E, (Ph.D)

Associate Professor



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2019-2023

Department of Electrical and Electronics Engineering

## CERTIFICATE



This is to certify that project report entitled " SPEED & DIRECTION CONTROL OF DC MOTOR USING ANDROID AND ARDUINO" is being submitted by

ABBURI SIVA SAI KIRAN  
YARRAMSETTY DILEEP KUMAR  
CHELAMASETTI MAHESH  
JALDANI VEERBABU

20P35A0216  
20P35A0245  
20P35A0203  
20P35A0241

In the partial fulfilment of the requirements for the award of degree of the **Bachelor of Technology in Electrical and Electronics Engineering**. It is the record of bonafide work carried out by them under the esteemed guidance and supervision of **Mr.K.RAVI KUMAR REDDY** M. Tech., Assistant professor.

  
Project Guide

**Mr.K.RAVI KUMAR REDDY, M.Tech**  
Assistant Professor

  
Head of the Department

**Mr.RAJESHMURARI** M.Tech(Ph.D.)  
Associate Professor

**EXTERNAL EXAMINER**

SCANNED WITH CAMSC

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Aditya Nagar, ADB Road, Surampalem – 533 437.  
2019-2023



This is to certify that project report entitled " **SPEED SYNCHRONIZATION OF MULTIPLE MOTORS IN INDUSTRIES USING RF REMOTE**" is being submitted by

SETTI CHANDRAMOULI	20P35A0229
GUTHULA VENKATA SATYA SAIRAM	20P35A0209
KARNIDI NAGA CHAKRA DORA	20P35A0221
GURUGUBELLI RAJESH	20P35A0240

In the partial fulfilment of the requirements for the award of degree of the **Bachelor of Technology in Electrical and Electronics Engineering**. It is the record of bonafide work carried out by them under the esteemed guidance and supervision of **Mr.M.P.SUBBARAJU** M. Tech., Assistant Professor.

  
**Project Guide**

**Mr. M P SUBBARAJU** ,M.Tech  
Assistant Professor

  
**Head of the Department**

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

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Aditya Nagar, ADB Road, Surampalem – 533 437.  
2019-2023



This is to certify that project report entitled " **FAULT DETECTION IN TRANSMISSION LINE USING GSM TECHNOLOGY**" is being submitted by

<b>RAPIREDDI TARUN SIVA PRASAD</b>	<b>20P35A0222</b>
<b>MEESALA RAM GOPALA KRISHNA</b>	<b>20P35A0225</b>
<b>KILLAPARTHI KESAVA NAGENDRA</b>	<b>20P35A0212</b>
<b>GUNTURI SATYA SAI TEJA</b>	<b>20P35A0228</b>

In the partial fulfilment of the requirements for the award of degree of the **Bachelor of Technology in Electrical and Electronics Engineering**. It is the record of bonafide work carried out by them under the esteemed guidance and supervision of **Mr.K.VENKATESWARA RAO, Mtech.(Ph.D.)**, Assistant Professor.

  
**Project Guide**

  
**Head of the Department**

<b>Mr.K.VENKATESWARA RAO, M.Tech(Ph.D.)</b>	<b>Mr. RAJESH MURARI M.Tech(Ph.D.)</b>
<b>Assistant Professor</b>	<b>Associate Professor</b>

**EXTERNAL EXAMINER**

SCANNED WITH CAMSC

## CERTIFICATE



This is to certify that project report entitled " IOT BASED BIDIRECTIONAL SPEED CONTROL AND MONITORING OF DC MOTORS" is being submitted by

DULLA UMA MAHESWARAO	20P35A0206
VEESAM SASIKUMAR	20P35A0205
MEKALA SWAMI	20P35A0220
KANDREGULA MANIKANTA	20P35A0244

In the partial fulfilment of the requirements for the award of degree of the **Bachelor of Technology in Electrical and Electronics Engineering**. It is the record of bonafide work carried out by them under the esteemed guidance and supervision of **Mr.SRINIVAS RAYUDU**, M.Tech.,(Ph.D) Assistant Professor.



Project Guide

**Mr.SRINIVAS RAYUDU**, M.Tech.,(Ph.D)  
Assistant Professor



Head of the Department

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

**EXTERNAL EXAMINER**

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2019-2023

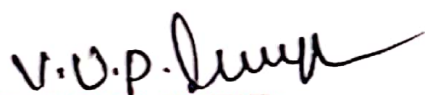
## CERTIFICATE




This is to certify that the main project work entitled **“POWER QUALITY IMPROVEMENT BY HARMONIC REDUCTION USING THREE PHASE SHUNT ACTIVE POWER FILTER WITH p-q & d-q CURRENT CONTROL STRATEGY”** being submitted by

R.DIVAKAR	20P35A0239
K.R.KIRAN SAI	20P35A0238
K.T.MAHESH	20P35A0213
D.VENKATESH	20P35A0235

In a partial fulfilment of the requirement for the award of the B. Tech degree in ELECTRICAL AND ELECTRONICS ENGINEERING for the academic year 2022-2023. The results embodied in this project report have not been submitted to any other institute or University for the award of any degree or diploma

  
**PROJECT GUIDE:**

Mrs.V.U.P.Lavanya, M.Tech,(Ph.D)  
Assistant Professor

  
**HEAD OF THE DEPARTMENT:**  
Mr.RajeshMurari,M.Tech,(Ph.D)  
Professor

## **EXTERNAL EXAMINER**

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2019-2023



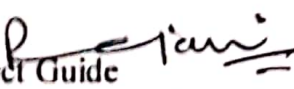
## CERTIFICATE




This is to certify that project report entitled **"AN EFFICIENT INDUCTIVE POWER TRANSFER TOPOLOGY FOR ELECTRIC VEHICLE BATTERY CHARGING"** is being submitted by

BONDAA SATYANARAYANA	20P35A0201
PONUKUMATI RAJASRI	19P31A0205
NULU MOHAN SAI SUNDAR	20P35A0214
GANTA HARSHA SRI NVSSS	20P35A0219
GUBBALA SURENDRA	20P35A0224

the partial fulfilment of the requirements for the award of degree of the **Bachelor of Technology in Electrical and Electronics Engineering**. It is the record of bonified work carried out by them under the esteemed guidance and supervision of **Dr. B. Rajani M.E, Ph.D.**

  
Project Guide  
**Dr. B. Rajani M.E, Ph.D.**  
Professor

  
Head of the Department  
**Mr. RAJESH MURARI MTech, (Ph.D.)**  
Associate Professor

### EXTERNAL EXAMINER

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Aditya Nagar, ADB Road, Surampalem-533437  
2020-2023

## CERTIFICATE



This is to certify that project report entitled "**POWER QUALITY IMPROVEMENT BY ACTIVE SHUNT FILTER WITH HYSTERESIS CURRENT CONTROLLER**" is being submitted by

D. SATISH	20P35A0249
N. SURYA KIRAN	20P35A0262
A. KARUNA KUMAR	20P35A0288
A.K.S. MANI KISHORE	20P35A0291

in the partial fulfilment of the requirements for the award of degree of the **Bachelor of Technology** in **Electrical and Electronics Engineering**. It is the record of debonair work carried out by them under the esteemed guidance and supervision of **Mrs. V. U. P. LAVANYA MTech., (Ph.D.) Assistant Professor**.

  
Project Guide

**Mrs. V. U. P. LAVANYA** MTech., (Ph.D.)  
Assistant Professor

  
Head of the Department

**Mr. M. Rajesh** M. Tech., (Ph.D.)  
Associate Professor

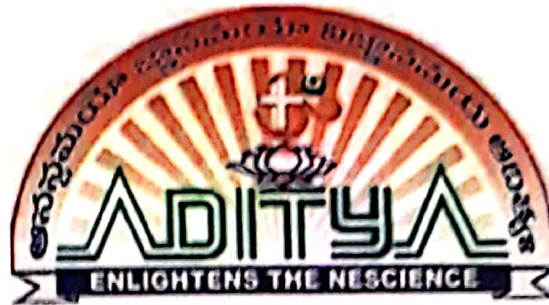
## EXTERNAL EXAMINER

**Department Of Electrical and Electronics Engineering**  
**ADITYA COLLEGE OF ENGINEERING AND TECHNOLOGY**  
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NBA, Accredited by NAAC(A\*) with CGPA of 3.4 Surampalem, ADB road, East  
Godavari District, A.P, India 533437

2020-2023

## CERTIFICATE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



This is to certify that technical project report entitled "Reactive Power Optimization Control for bidirectional Dual-Tank Resonant DC-DC Converters for Fuel Cells System" Being submitted by

KATNAM AJAY ROHITH	20P35A0247
MALETI SAI PRASAD	20P35A0248
CHOPPARAPU VIJAY GOPAL	20P35A0284
VASAMSETTI SAI RAJA	20P35A0285

In the partial fulfilment of the requirements for the award of Degree of Bachelor of technology in **ELECTRICAL AND ELECTRONICS ENGINEERING**. It is a record of Bonafide work carried out by her/his under the esteemed guidance and supervision of Mr. Ramakrishna Vadrevu during the academic year 2022-2023.

  
**Project Guide**

Mr. Ramakrishna Vadrevu, M.Tech.,(Ph.D)  
Assistant Professor  
E.E.E Department

  
**Head of the Department**

Mr. Rajesh Murari, M.Tech.,(Ph.D)  
Professor  
E.E. E Department



## CERTIFICATE

**Department of Electrical and Electronics Engineering**



This is to certify that project report entitled " UNINTERRUPTABLE POWER SUPPLY FROM FOUR DIFFERENT SOURCES (SUCH AS GENERATOR, SOLAR, WIND, AND AC220), TO ENSURE NO POWERBREAK"

is being submitted by

P. ESWAR KUMAR	20P35A0251
A. SURESH	20P35A0269
S. AJAY CHAITANYA	20P35A0250
R. MANIKUMAR	20P35A0273

in the partial fulfilment of the requirements for the award of degree of the **Bachelor of Technology** in **Electrical and Electronics Engineering**. It is the record of bona fide work carried out by them under the esteemed guidance and supervision of **Mr.K.Venkateswar Rao M.Tech.(Ph.D)** Assistant Professor.

  
Project Guide

**Mr.K.Venkateswara Rao. M.Tech (Ph.D)**

(Assistant Professor )

  
Head of the Department

**Mr.Rajesh Murari M.Tech.,(P.hd)**

( Associate Professor )

**Department of Electrical and Electronics Engineering**  
**Approved by AICTE, Permanently Affiliated to JNTUK & Accredited**  
**by NAAC(A+) & NBA Recognized by UGC under Sections 2(f) and**  
**12(B) of UGC Act, 1956**

**Aditya Nagar, ADB Road, Surampalem – 533 437**

**EXTERNAL EXAMINER**

# CERTIFICATE

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by AICTE, Permanently Affiliated to JNTUK & Accredited by NBA & NAAC  
Recognized by UGC under Sections 2(f) and 12(B) of UGC Act, 1956 Aditya  
Nagar, ADB Road, Surampalem – 533 437.



This is to certify that the main project report entitled "A MULTIFUNCTIONAL SOLAR PV & GRID BASED ON-BOARD CONVERTER FOR ELECTRIC VEHICLES" being submitted by

**SURLA LAVARAJU**

- 20P35A0280

**GANESULA DURGA PRASAD**

- 20P35A0261

**NAGIREDDY BALA MURALI**

- 20P35A0264

**BOBBILI SAI SRICHARAN**

- 20P35A0260

In partial fulfillment of the requirement for the award of the Degree of Bachelor of Technology in Electrical and Electronics Engineering. It is a record of the bonafied work, carried out by them under esteemed guidance and supervision of Mr. K. RAVI KUMAR REDDY, M. Tech Assistant professor

**Project guide**

**MR. K RAVI KUMAR REDDY**

M. Tech,

Assistant professor

**Head of the Department**

**MR. RAJESH MURARI**

M. Tech, M.I.S.T.E. (PhD)

Associate professor

**EXTERNAL EXAMINER**

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**TECHNOLOGY**

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Aditya Nagar, ADB Road, Surampalem – 533 437.



This is to certify that the main project report entitled “SUN TRACKING SOLAR PANEL OF DUAL AXIS ” being submitted by

GATTEM MADAN SAI RAJ -20P35A0263

V V V SAI MAHESH -20P35A0282

P N R V V P S S CH MOULI -20P35A0286

GORLA CHARAN KUMAR -20P35A0287

In partial fulfillment of the required for the award of the degree of **Bachelor of Technology** in **Electrical and Electronics Engineering**. It is a records of the bonafied Work, carried out by them underunder esteemed guidance and supervision of Dr.B.RAJANI,M.E,Ph.D Professor.

  
Project guide

Dr.B.RAJANI M.E Ph.D,

PROFESSOR

  
Head of the Department

Mr. RAJESH MURARI M.Tech,

M.L.S.T.E.(Ph.D)

Associate professor

EXTERNAL EXAMINER



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Aditya Nagar, ADB Road, Surampalem – 533437



This is to certify that the main project report entitled "Hybrid Efficient power Source Using AC and Solar Energy With IOT Technology" being

submitted by

ADDURI.SAIGANGADHAR

20P35A0266

JONNDA.SRINIVASA RAO

20P35A0268

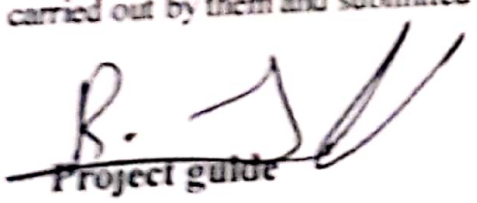
PUNYAMANTULA SATYA SAI SIDHU

20P35A0289

SODASANI.LOKESH

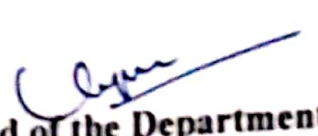
20P35A0279

In partial fulfillment of the requirement for the award of the **Degree of Bachelor of Technology in Electrical and Electronics Engineering**. It is a record of the bonafide work, carried out by them and submitted in Aditya College of Engineering, Surampalem.

  
Project guide

Mr. SRINIVAS RAYUDU

M.Tech-(Ph.D) Assistant professor

  
Head of the Department

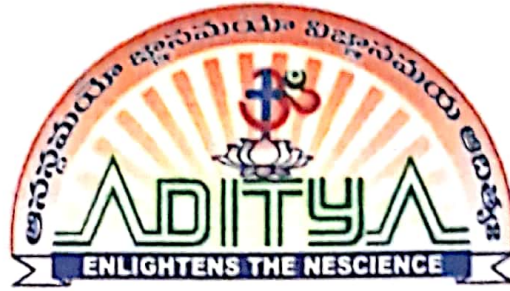
Mr. RAJESH MURARI

M.Tech, M.I.S.T.E., (Ph.D)

Associate professor

EXTERNAL EXAMINER

## CERTIFICATE




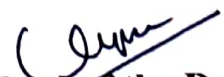
This is to certify that project report entitled **“Modelling and analysis of modular multilevel converter for solar photovoltaic applications to improve power quality”** is being submitted by

I.S.N.V. Ramana  
V. Chaitanya  
S. Kusa Raju  
V. Manikanta

20P35A0254  
20P35A0275  
20P35A0278  
20P35A0252

In the partial fulfilment of the requirements for the award of degree of the **Bachelor of Technology in Electrical and Electronics Engineering**. It is the record of **Ms. SANAVANI M.Tech., Assistant Professor.**

  
**Project Guide**  
**Ms. SANA VANI M. Tech.**  
Assistant Professor

  
**Head of the Department**  
**Mr. RAJESH MURARI M.Tech.,(Ph.D.)**  
Associate Professor

### EXTERNAL EXAMINER

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2020-2023

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NAAC(A+), Approved by NBA, Recognized by UGC Under Sections 2(f) and 12(B) of UGC  
Act, 1956 Aditya Nagar, ADB Road, Surampalem – 533437.




This is to certify that the main project report entitled “A PROTOTYPE OF AN ARDUINO-BASED PROTECTING SYSTEM TO OVER COME VOLTAGE FLUCTUATIONS” being submitted by

PYLA SAIBABU	-20P35A0276
NALAM DILEEP	-20P35A0272
VASAMSETTI NAVEEN KUMAR	-20P35A0277
SINGANABOINA KALYAN KUMAR	-20P35A0257

In partial fulfillment of the requirement for the award of the Degree of Bachelor of Technology in Electrical and Electronics Engineering. It is a record of the bonified Work, carried out by them under esteemed guidance and supervision of Mr. M P SUBBARAJU, M.Tech  
Assistant professor

  
Project guide

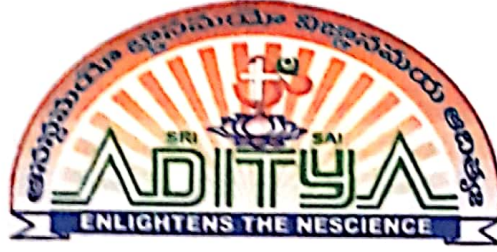
Mr. M P SUBBARAJU M.Tech  
Assistant professor

  
Head of the Department  
Mr. RAJESH MURARI M.Tech., (Ph.D)  
Associate professor

EXTERNAL EXAMINER



## CERTIFICATE



This is to certify that project report entitled **"IOT BASED MASTER AND SLAVE ROBOTIC MANIPULATOR"** is being submitted by

**MAHANTHI KUMAR SWAMI**

**20P35A0283**

**KOMARTHI SAI SUMANTH**

**20P35A0259**

**GORLA SAI PADMAKAR**

**20P35A0271**

**VALLU SATIESH KUMAR**

**20P35A0265**

In the partial fulfilment of the requirements for the award of degree of the **Bachelor of Technology in Electrical and Electronics Engineering**. It is the record of bonafide work carried out by them under the esteemed guidance and supervision of **Mr. RAJESH MURARI** MTech., (Ph. D)

Head of the Department

**Mr. RAJESH MURARI** MTech., (Ph.D)

Associate Professor

**EXTERNAL EXAMINER**

**Department of Electrical and Electronics Engineering**

**ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY**

Approved by AICTE, New Delhi Permanently Affiliated to JNTUK, Kakinada

Accredited by NBA, Accredited by NAAC (A+) with CGPA of 3.4

Recognized by UGC under Sections 2(f) and 12(B) of UGC Act, 1956

Aditya Nagar, ADB Road, Surampalem, Gandepalli Mandal, East Godavari -533437, A.P

**2020-2023**

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# CERTIFICATE



This is to certify that project report entitled "**Power Enhancement With Grid Stabilization of Renewable Energy-Based Generation System Using UPQC-FLC-EVA Technique**" is being submitted by.

K. YASHWANTH	20P35A0256
D. MAHESH	20P35A0274
K. MUKHESH	20P35A0290
C.H. SAI KIRAN	20P35A0258

in the partial fulfillment of the requirements for the award of degree of the **Bachelor of Technology** in **Electrical and Electronics Engineering**. It is the record of bona fide work carried out by them under the esteemed guidance and supervision of **Mrs. KONETI VARALAKSHMI M.Tech.(Ph.d)** Senior Assistant Professor.

  
**Project Guide**

**Mrs. KONETI VARALAKSHMI** M.Tech.(Ph.d)  
Senior Assistant Professor

  
**Head of the Department**

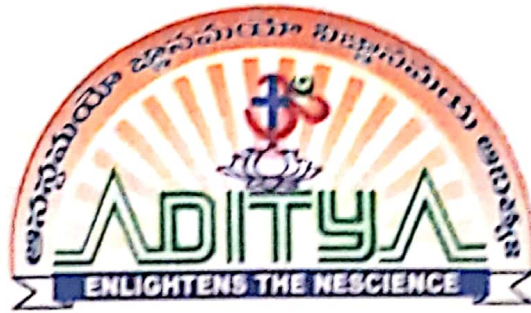
**Mr. RAJESH MURARI** M.tech(Ph.D.)  
Associate Professor

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12(B) of UGC Act, 1956 Aditya Nagar, ADB Road, Surampalem – 533 437, E.G. Dist., A.P.,  
2020-2023


## CERTIFICATE




This is to certify that project report entitled "Design and Simulation of Hybrid Power Filters to Provide Harmonic Compensation at the AC Mains Connected to Critical Non-Linear Loads" is being submitted by

K. Subrahmanyam	20P35A0255
M. Gopinadh	20P35A0270
K. Amruth	20P35A0253
A. Ramu	20P35A0267

in the partial fulfillment of the requirements for the award of degree of the Bachelor of Technology in Electrical and Electronics Engineering. It is the record of bona-fide work carried out by them under the esteemed guidance and supervision of Mr. S. Reddy Ramesh M.Tech., Assistant Professor.

  
Project Guide

Mr. S. Reddy Ramesh M.Tech.  
Assistant Professor

  
Head of the Department

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Associate Professor

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Aditya Nagar, ADB Road, Surampalem, Gandepalli Mandal, east Godavari - 533 437, A.P.  
2020-2023