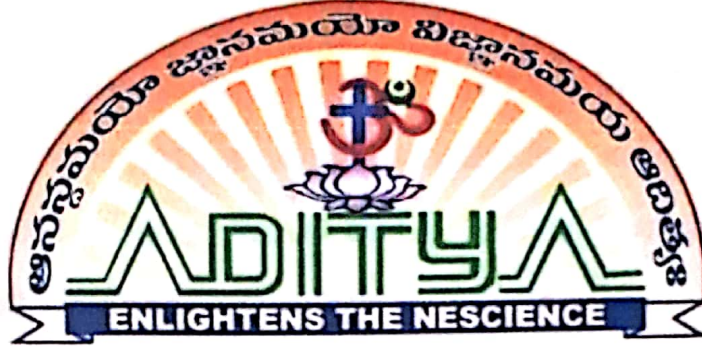


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This is to certify that project report entitled "**A SERVER BASED LOAD ANALYSIS OF SMART METER SYSTEM**" is being submitted by

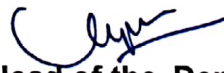
CHIRLA AVINASH REDDY  
KUMAR NISHANT  
KETHA SAI SRINIVAS  
INAKOTI PADMAKAR

19P35A0206  
18P31A0201  
19P35A0220  
19P35A0213

In partial fulfilment of requirements for the award of degree of 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. KARRI RAVI KUMAR REDDY**, Assistant Professor.

  
Project Guide

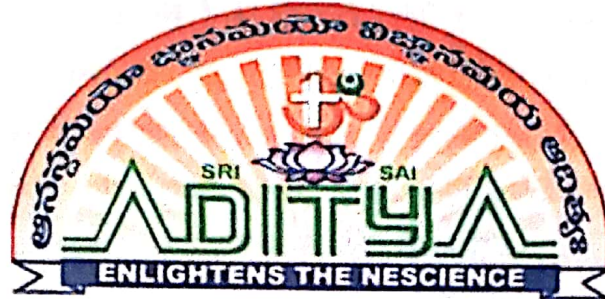
**MR. KARRI RAVI KUMAR REDDY**, M. Tech.  
Assistant Professor

  
Head of the Department  
**Head of the Department**  
**Mr. RAJESH M. MURALE**, M. tech ( Ph.D)  
**Aditya College of Engineering**  
Associate Professor  
SURAMPalem-532127

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2018-2022

# CERTIFICATE



This is to certify that project report entitled “**IOT BASED HYBRID GREEN ENERGY DRIVEN STREET LIGHTING SYSTEM**” is being submitted by

<b>SATYAM TIWARI</b>	<b>18P31A0214</b>
<b>J.R.S CHANDANA</b>	<b>19P35A0214</b>
<b>K. MADHURI</b>	<b>18P31A0205</b>
<b>K. NAVEEN KUMAR</b>	<b>19P35A0221</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 **V.U.P. LAVANYA**, M.Tech Assistant Professor.

  
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**V.U.P. LAVANYA**, M.Tech  
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Head of the Department  
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2018-2022

# CERTIFICATE



This is to certify that project report entitled

**“ARDUINO BASED DUAL AXIS SMART SOLAR TRACKER”** is being submitted by

**P.V.D ASHOK KUMAR**

**19P35A0232**

**G. MADHU**

**19P35A0211**

**A. SAI MAHATHI**

**18P31A0213**

**N.G.K. GANDHI**

**19P35A0229**

In partial fulfilment of the requirements for the award of degree of **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. S. REDDY RAMESH M.Tech.,** Assistant Professor.

  
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**Mr. S. REDDY RAMESH M. Tech.,**

**Assistant Professor**

  
**Head of the Department**

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

**Head of the Department**  
**Dept. of EEE**  
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**Associate Professor**  
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**SURAMPalem-533437**

**Department Of Electrical and Electronics Engineering**

**ADITYA COLLEGE OF ENGINEERING AND TECHNOLOGY**

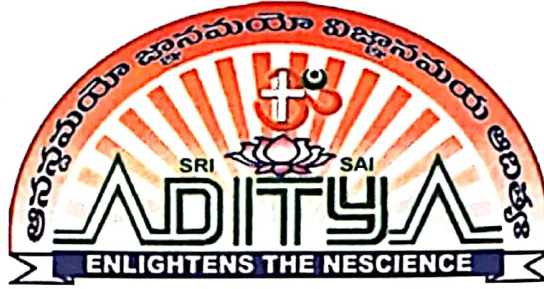
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**Aditya Nagar, ADB road, Surampalem, Kakinada Dist.**

**2018-2022**



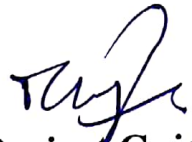
# CERTIFICATE



This is to certify that project report entitled “DEVELOPMENT OF SMART GRID SYSTEM” is being submitted by

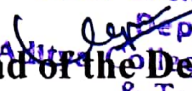
A.MANIKANTA	19P35A0225
K.L.MANIKANTA SAI	19P35A0217
K.RAMANA	19P35A0218
K.SUDHEER	19P35A0223

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 Bonafede work carried out by them under the esteemed guidance and supervision of **MR. M.P. SUBBARAJU**, M. Tech, Assistant Professor.

  
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**MR. M.P. SUBBARAJU**, M. Tech.

Assistant Professor

  
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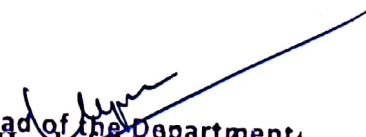
This is to certify that the thesis entitled “**Smart Solar Street Light with Energy Efficient control System and Street Light Failure Notification to Electric Department using GSM Technology**” that is being submitted by

R. MUKESH NAIDU	18P31A0212
A.O.S. NANDI BABU	19P35A0202
J.S.S.S SRINIVAS	19P35A0215
K. SATYA SAI KUMAR	19P35A0222

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 Bonafede work carried out by them under the esteemed guidance and supervision of **Dr.RAJANI BODDEPALLI, M.E.,Ph.D**

  
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**Dr.RAJANI BODDEPALLI, M.E., Ph.D**  
Professor

  
Head of the Department  
Dept. of EEE  
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**MR. RAJESH MURALI, M.E., Ph.D**  
Surampalem 533295

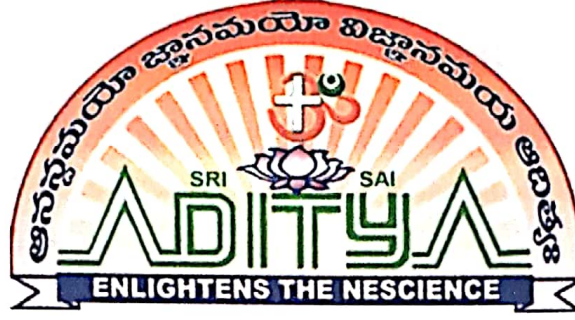
**Department of Electrical and Electronics Engineering**  
**ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY**

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SURAMPALAM, GANDEPALLI MANDAL – 533295(A.P)

2018-2022

# CERTIFICATE



This is to certify that project report entitled "TRANSFORMER HEALTH MONITORING SYSTEM USING INTERNET OF THINGS" is being submitted by

M.S. SARTHWICK REDDY	19P35A0205
D. SATISH TARUN	18P31A0203
G.S.S.S. KRISHNA	19P35A0212
N.N.V.B. MAHESH	19P35A0230

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 Bonafede work carried out by them under the esteemed guidance and supervision of **MR. ABHISHEK ANAND**, M. Tech. Associate Professor.

  
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Assistant Professor

Head of the Department  
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Aditya College of Engineering  
Head of the Department  
SURAMPALAM-533437

**MR. RAJESH MURARI, M. tech (Ph.D.)**

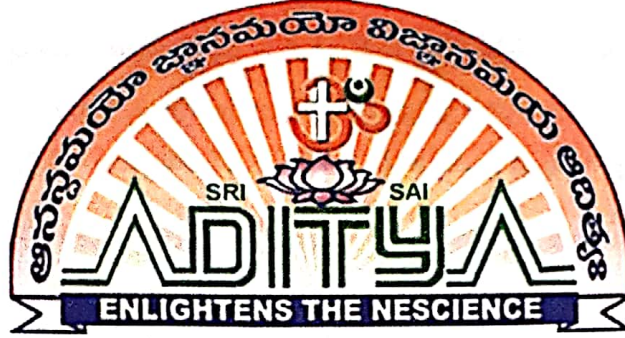
Associate Professor

EXTERNAL EXAMINER  
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Nagar, ADB road, Surampalem, E.G.Dist.

2018-2022



## CERTIFICATE



This is to certify that project report entitled "Smart Helmet Solution for Bike Rider using Alcohol Detection and GSM Technology" is being submitted by

Prashant Kumar	18P31A0210
R. Ravi Teja	19P35A0236
S. Jaya Babu	19P35A0237
M. Jaya Krishna	19P35A0227

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

Head of the Department  
Project Guidance  
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&

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# CERTIFICATE



This is to certify that project report entitled "IOT BASED POWER GRID SYNCHRONIZATION FAILURE ON SENSING FREQUENCY AND VOLTAGE BEYOND ACCEPTABLE RANGES" is being submitted by

**B. GANGESWARA RAO**

**19P35A0205**

**D. NARENDRA VARMA**

**19P35A0208**

**K. SRI HARSHA**

**19P35A0224**

**T. SAI CHANDU**

**18P31A0211**

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 Bonafede work carried out by them under the esteemed guidance and supervision of **Dr. K. R. K. V. PRASAD**, M. Tech, Ph.D., Associate Professor.

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**Dr. K. R. K. V. PRASAD**, M. Tech, Ph.D.

Associate Professor

**Head of the Department**

**Dept. of EEE**

**MR. RAJESH MURARI**, M. tech (Ph.D.)

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Associate Professor

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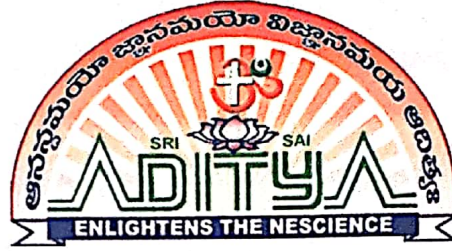


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Aditya Nagar, ADB road, Surampalem - 533437



This is to certify that project report entitled "**IOT Based Feeder Protection And Monitoring System**" being submitted by

**E. Pavan Satish**                      **18P31A0204**

**K. Vinod Prasad**                      **19P35A0216**

**B. Someswara Rao**                      **19P35A0204**

**D. Harish**                      **19P35A0210**

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. V

Ramakrishna, M. Tech., Assistant Professor.

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**Aditya College of Engineering**  
**& Technology**  
**SURAMPALM-533437**

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**Head of the Department**

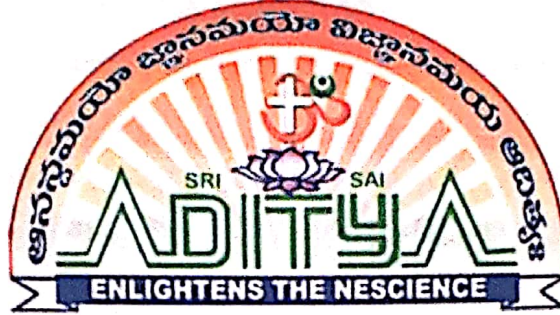
  
**MR. V RAMAKRISHNA** M. tech

**MR. RAJESH MURARI** M. tech (Ph.D.)

Assistant Professor

Associate Professor

## CERTIFICATE



This is to certify that project report entitled “IOT BASED SOLAR ENERGY POWERED SMART IRRIGATION SYSTEM”

**P.DURGA BABU** 19P35A0231

**Y.PRAVEEN KUMAR** 19P35A0238

**N.SANDHYA** 19P35A0228

**A.VENKATRAJU** 19P35A0203

is being submitted by 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 **R.SRINIVAS** M.Tech Assistant Professor.

  
Project Guide

**R.SRINIVAS** M.Tech

Assistant Professor

  
Head of the Department

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**Associate Professor**  
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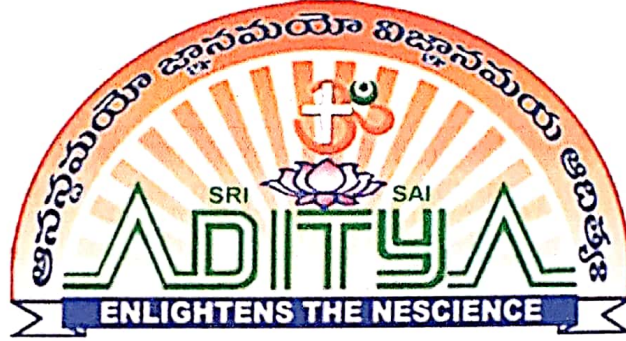
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Department of Electrical and Electronics Engineering

## CERTIFICATE



This is to certify that project report entitled " UNDERGROUND CABLE FAULT DISTANCE LOCATOR AND MONITORING USING IOT" is being submitted by

**P. VISHNU PADMA**

**19P35A0234**

**P. ANJI**

**19P35A0235**

**K. SRIKANTH**

**19P35A0219**

**D. PAVAN SUHAS**

**19P35A0209**

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 word carried out by them under the esteemed guidance and supervision of **K. VENKATESWARA RAO, M. Tech., Assistant Professor.**

*[Signature]*  
22.6.22  
**Project Guide**

*[Signature]*  
**Head of the Department**

**Mr K. VENKATESWARA RAO, M. Tech,**

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



# CERTIFICATE



This is to certify that project report entitled **"SMART ENERGY METERING FOR COST AND POWER REDUCTION IN HOUSE HOLD APPLICATIONS"** is being submitted by

G.N.D.S. S MANASA

19P35A0201

P. LE KRISHNA

19P35A0233

CH.RAM SAI KALYAN

18P31A0202

K.Y.V.V.K.S. VINAY

18P31A0206

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 **K. VARALAKSHMI M.Tech[Ph.D]**

  
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**K. VARA LAKSHMI** M.Tech[Ph.D]

Sr. Assistant Professor

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Surampalem, ADB Road, East Godavari District, A.P, India

2018-2022