

# AMPERE

## NEWSLETTER

Volume :12

Issue:2

SEP-NOV 2022



**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**



**ADITYA ENGINEERING COLLEGE**

**APPROVED BY AICTE, NEW DELHI AND AFFILIATED TO JNTUK**

**Aditya Nagar, ADB Road, SURAMPalem-533437, Near Kakinada, E.G. Dist., ph:99498 76662**

**Recognized by UGC under the sections 2(f) and 12(B) of UGC act 1956**

# CONTENTS

<b>ABOUT THE DEPARTMENT</b>	<b>3</b>
<b>VISION OF THE DEPARTMENT</b>	<b>3</b>
<b>MISSION OF THE DEPARTMENT</b>	<b>3</b>
<b>PUBLICATIONS</b>	<b>4</b>
<b>EVENTS ORGANIZED</b>	<b>5</b>
<b>SMART INDIA HACKATHON 2022</b>	<b>6</b>
<b>PLACEMENTS</b>	<b>7</b>
<b>EDITORIAL BOARD</b>	<b>8</b>

# ABOUT OUR DEPARTMENT

Established as one of the major departments of the Institute, the Department of Electrical and Electronics Engineering at Aditya strives to produce highly competent engineers equipped with advanced professional knowledge, entrepreneurial thinking, professional and ethical attitude, critical problem solving and analytical skills through effective teaching learning process, research and industrial collaboration.

The faculty of the department, a rich blend with academic and industrial experience, have been constantly carrying out research on many cutting edge technologies with regular publications in ELSEVIER and other top international journals. The academic quality of the department is reflected by the laurels won by the students and the distinguished positions in industry and academia occupied by alumni. The department strives to upgrade the knowledge of faculty and students by organizing various Workshops, Industry-Institute Interactions, Continuous Improvement Programs inviting eminent personalities from Industry and academic Institutions, Seminars and Research activities. Students are provided internship programs in various power plants and industries like Reliance, SAIL, HPCL, GMR, GVK, VTPS, Vizag steel plant, ONGC, APGPCL, APEPDCL etc.

The department spares no expense to equip the labs with latest equipment like Three phase AC Integrated Machine, DC Integrated Machine, Wireless Transmission of Electric Power using Tesla Coil and technical software like MATLAB & P-Spice.

## VISION OF THE DEPARTMENT

To excel in electrical education, research, and technology in tune with societal needs.

## MISSION OF THE DEPARTMENT

### MISSION 1 :

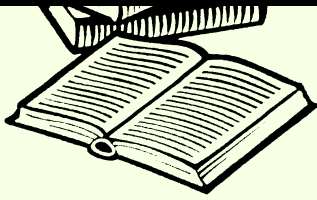
Impart quality education and entrepreneur skills.

### MISSION 2 :

Provide cutting edge technologies for research and sustainability in collaboration with industry.

### MISSION 3:

Nuture professional ethics and lifelong learning in tune with societal needs.

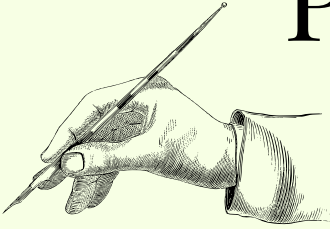


JUNE - NOV 2022



# PUBLICATIONS

EEE DEPARTMENT



## International Journals

J. Pavan, "Thermogravimetric Analysis and Mechanical Properties of Pebble Natural Filler- Reinforced Polymer Composites Produced through a Hand Layup Technique", Advances in Materials Science and Engineering, Sep 2022.

N. Ram Babu, "Dynamic Stability Evaluation of an Integrated Biodiesel-Geothermal Power Plant-Based Power System with Spotted Hyena Optimized Cascade Controller", Sustainability, Vol.14, No.22, Nov 2022  
<https://www.mdpi.com/2071-1050/14/22/14842>

N. Ram Babu, "Fixed terminal time fractional optimal control problem for discrete time singular system", Archives of Control Sciences, Vol.32, No.3, Nov 2022.  
[https://journals.pan.pl/Content/124474/PDF/art01\\_int.pdf](https://journals.pan.pl/Content/124474/PDF/art01_int.pdf)

N. Ram Babu, "Impact of Spotted Hyena Optimized Cascade Controller in Load Frequency Control of Wave-Solar-Double Compensated Capacitive Energy Storage Based Interconnected Power System", Energies, Vol.15, No.19, Oct 2022.  
<https://www.mdpi.com/19961073/15/19/6959>



## EVENTS ORGANIZED



S. No.	Workshop/Expert lecture/Seminar	Date	Title	Resource Person	No. of Participants
1	Expert lecture	23-09-2022	Future of Electrical Engineering: Role of AI / ML and Opportunities	Dr. V. Sandeep HOD EEE NIT Andhra Pradesh	62
2	Expert lecture	30-09-2022	Emerging Smart Grids & Electric Vehicles and Opportunities	Dr. V. Sandeep HOD EEE NIT Andhra Pradesh	66

# SMART INDIA HACKATHON 2022



**SIH SENIOR  
HARDWARE EDITION  
GRAND FINALE  
- 2K22**

## 1<sup>st</sup> RUNNER UP IN SMART INDIA HACKATHON

Smart India hackathon is a nationwide initiative to provide students with a platform to solve some of the pressing problems which we face in our daily lives and thus inculcate a culture of product innovation and a mindset of problem solving. Smart India hackathon started in 2017 with only software chapter. Every year they are conducting Smart India Hackathon.

It's a great privilege for our college and department that students from our EEE branch are selected in Smart India hackathon 2022. In which they were awarded with 2nd prize all over India. There our students worked on a project on Electronic Voting machine (EVM's). Students are supported by the college and branch in their entire period of project. The entire team of students selected in hackathon are provided with mentor Mr. CH. Govinda sir who took the initiative of mentoring and guiding the team. The team members K. Vinay Kumar, G. Naga Dileep, A. Lakshmi Sanjana, E. Bhanu, V. Mahesh and K. Sanjay. In this project battery is charged with the help of solar panels. Then the battery will supply power to the microcontroller. It will monitor the whole operation. Micro controllers send the signal given from switches and decide the mode of operation. It's a great idea to students for doing this project. The SIH 2022 Senior Hardware Edition Grand Finale was held in Uttarakhand where students presented their project. Among huge crowd between a hard competition happened and this team got 2nd prize and won a cash prize of Rs 75000/-. This is one of the greatest achievement to our college in national level.



## PLACEMENTS



Name of The Student	Roll no	Company Placed	Salary Package
Lakshmi Narasimha Dasari	20A95A0214	Qspiders	4.00LPA
tejaswini	20A95A0218	Qspiders	4.00LPA
KARRI GANGADHAR	19A91A0227	Surya Tech Solutions	2.92 LPA
SIRIGIRISETTY VAMSI	19A91A0253	Surya Tech Solutions	2.92 LPA
MURALI VANARASI	19A91A0259	Surya Tech Solutions	2.92 LPA
ADDURI VENKATACHALAM	20A95A0202	Surya Tech Solutions	2.92 LPA
ELLURI DURGA SIVA SANTOSH	20A95A0215	Surya Tech Solutions	2.92 LPA
PILLA JAYA VENKATA PRAVEEN	20A95A0236	Surya Tech Solutions	2.92 LPA
POKALA MOHAN VARA PRASAD	20A95A0237	Surya Tech Solutions	2.92 LPA
SODIPINDI SRINIVAS	20A95A0242	Surya Tech Solutions	2.92 LPA
VAKAPALLI VAMSI	20A95A0248	Surya Tech Solutions	2.92 LPA

# EDITORIAL BOARD

## EDITOR-IN-CHIEF

DR.M.SREENIVASA REDDY, Principal

## ASSOCIATE EDITORS

Dr.V.SRINIVASA RAO , Professor & HOD

Dr.K.BAPAYYA NAIDU, Associate Professor



## ASSISTANT EDITORS

A.LAKSHMI RAVI TEJA	20A91A0252
A.VENKATA TIRUMALA	20A91A0251
M.L.PRASANNA	20A91A0226
G.BHUVAN SHASHANK	21A91A0215
K.NOOKARAJU	21A91A0282
K.SWATHI	21A91A0278
T.JAHNAVI	21A91A0247



## ADITYA ENGINEERING COLLEGE

APPROVED BY AICTE,NEW DELHI AND AFFILIATED TO JNTUK

Aditya Nagar, ADB Road,SURAMPALEM-533437, Near Kakinada,E.G.Dist.,ph:99498 76662

Recognized by UGC under the sections 2(f) and 12(B) of UGC act 1956