

## Objective

The goal of Emerging Advances and Applications in Green Energy is to use smart technology, waste reduction, renewable energy sources, sustainable materials, and energy efficiency to support sustainable development. This conference may also examine the effects of these developments in a number of fields, including grid storage, electric vehicles, integration of renewable energy, and more.

## Conference Theme

- ✚ Green Energy Technologies for Power Generation, Transmission, Distribution, Energy Conversion, and Storage
- ✚ Advanced Microgrid, Smart Grids and Renewable Energy Integration, Protection Schemes, Power System Monitoring, Control and Energy Management
- ✚ Role of Evolutionary Algorithms/ AI/ML/IOT Technologies for Green Energy
- ✚ Challenges, Solutions, Advances and Applications in Green Energy & other Areas of Energy.
- ✚ Application of Power Converters for Renewable Energy Systems, Simulation and Modeling of renewable energy systems
- ✚ Battery Technology, Battery Management System, Demand Side Management, Electric Vehicles, HVDC and FACTS, & Development/Manufacturing for smart technologies-based products.

## About the Institute

Prasad V Potluri Siddhartha Institute of Technology, established in 1998, is a pioneering self-financed institution known for its academic excellence and discipline. The college is sponsored by Siddhartha Academy of General and Technical Education, which manages 18 reputed educational institutions across diverse domains. The campus is situated in Kanuru, Vijayawada, covering an area of 19.98 acres, well connected by rail, road, and air. The infrastructure includes a monolithic RCC structure with a built-up area of 36,537 sq. meters, fully equipped with modern laboratories and academic resources. The institution is autonomous, approved by AICTE, permanently affiliated to JNTUK Kakinada, and accredited by NAAC with an A+ grade. All undergraduate programmes are accredited by NBA. It is an ISO 21001:2018 certified institution recognized for its high quality standards. The UGC has granted 2(f)/12(B) status, and the Government of Andhra Pradesh has conferred an A grade. PVPSIT ranks in the 101<sup>st</sup> – 150 band in the NIRF Innovation category.

## Chief Patrons

**Sri. M. Rajaiah**, President

Siddhartha Academy of General & Technical  
Education, Vijayawada

**Sri. P. Lakshman Rao**, Secretary

Siddhartha Academy of General & Technical  
Education, Vijayawada

**Sri. V. Nagabushana Rao**, Convenor  
PVPSIT, Vijayawada

## Patron

**Dr. K. Sivaji Babu**, Principal, PVPSIT

## Convener

**Dr. Ch. Padmanabha Raju**, Professor & Head  
EEE Department, PVPSIT

## Technical Team

**Dr. K. Lenin**, Professor, PVPSIT

**Dr. M. V. Ramesh**, Associate Professor,  
PVPSIT

**Dr. C. Kumar**, Associate Professor, PVPSIT

**Dr. N. Vijaya Anand**, Associate Professor,  
PVPSIT

**Dr. J. Hema Latha**, Sr. Assistant Professor,  
PVPSIT

**Dr. B. Bala Saibabu**, Assistant Professor,  
PVPSIT

## Coordinators

**Dr. D. Ragaleela**, Sr. Assistant Professor

**Dr. B. Baddu Naik**, Assistant Professor

**Mr. M. Hemanth Sai**, Assistant Professor

Cell: **+91-9949418868**, **+91-9490701081**,  
**+91-9052176170**



## International Conference on Emerging Advances and Applications in Green Energy (ICEAAGE 2026)

**27 & 28 February 2026**  
**Hybrid Mode**



Organized by  
**Department of**  
**Electrical and Electronics Engineering**  
**Prasad V. Potluri**  
**Siddhartha Institute of Technology**  
Kanuru, Vijayawada, Andhra Pradesh, India.  
[www.pvpsiddhartha.ac.in](http://www.pvpsiddhartha.ac.in)

<p><b>About the Department</b></p> <p>The Department of EEE was started in 2001 with an annual intake of 60 at UG, was increased to 90 and to 120 in 2007 and 2011 respectively. It has a carpet area of 2074sq.m. and the cost of the equipment in laboratories is around Rs. 1,55,07,479/ The Department is accredited by the National Board of Accreditation (in 2007,2013,2016,2019,2022) and AICTE and has been certified by ISO 9001:2015. It has well established instructional facilities at laboratories viz. Electrical Machines, Networks, Electrical Measurements, Power Electronics, Control Systems, Simulation of Electrical Systems, Micro Processor and Microcontrollers, Power Systems &amp; Calibration Lab. The faculty of the Department have been working rigorously by undertaking advanced research projects. 9 Faculty members out of 19 have doctoral degrees and 10 members are pursuing Ph.D. Alumni interactive sessions, technological events, Energy Conservation Day, etc. are being organized by the department. The students have been trained in the latest software - MAT Lab, PSCAD, PSIM, PSPICE, Mi Power and hardware device such as MY RIO are provided to meet the demands of the industry to meet the demands of the industry. The students are always encouraged to participate in workshops, conferences, extra- and co-curricular activities. Students are fortified with state-of-art skills through short-term hands-on training course Sponsored by AP Skill Development centre in collaboration with Siemens to meet current industry needs.</p> <p><b>National Advisory Committee</b></p> <p>Dr. Chinmaya K A, Department of Electrical Engineering, IIT (BHU), India</p> <p>Dr. Olive Ray, Electrical Sciences, IIT Bhubaneswar</p> <p>Dr. D. M. Vinod Kumar, Electrical Engineering, NITW, Telangana, India</p> <p>V. Sandeep, Department of Electrical Engineering, NIT Andhra Pradesh, India</p> <p>Dr. P. Sankar, Department of Electrical Engineering, NIT Andhra Pradesh, India</p> <p>Dr. R. Srinivasa Rao, JNTUK, Andhra Pradesh, India</p> <p>Dr. S. Sivanagaraju, JNTUK, Andhra Pradesh, India</p> <p>Dr. B. T. P. Madhav, K L Deemed to be University, Andhra Pradesh, India</p> <p>Dr. Gaddam Tulasi Ram Das, Electrical &amp; Electronics Engineering, JNTU, Hyderabad</p> <p>Dr. K. Venkata Rao, Vignan University, Andhra Pradesh, India</p> <p>Prof. Sanket Goel, BITS-Pilani, Hyderabad Campus, India</p>	<p><b>International Advisory Committee</b></p> <p>Dr. Surender Reddy Salkuti, Woosong University, Daejeon, Republic of Korea.</p> <p>Dr. Vinay Kumar Domakonda, School of Engineering and Computing, American International University, Al Jahra, Kuwait</p> <p>Dr. Alaa A. K. Ismaeel, Arab Open University, Oman</p> <p>Dr. Saad F. Al-Gahtani, King Khalid University, Abha Kingdom of Saudi Arabia</p> <p>Dr. Ashwin M Khambadkone, National University of Singapore</p> <p>Dr. Mofeed Turkey Rashid, Electrical Engineering Department, University of Basrah</p> <p><b>Keynote Speakers</b></p> <p><b>Dr. Surender Reddy Salkuti</b> Department of Railroad and Electrical Engineering, Woosong University, Daejeon, Republic of Korea</p> <p><b>Dr. D. Subba Rao</b> Sr. Manager (HR), NTPC, Darlipali, Odisha, India</p> <p><b>Core Committee</b></p> <p>Ms. K. Bhavana, Assistant Professor, PVPSIT</p> <p>Ms.V.Sai Geetha Lakshmi, Assistant Professor, PVPSIT</p> <p>Ms.G.Madhavi, Assistant Professor, PVPSIT</p> <p>Mr. M. Seshu, Assistant Professor, PVPSIT</p> <p>Ms.M.Devika Rani, Assistant Professor, PVPSIT</p> <p>Mr.T.Srinivasa Rao, Assistant Professor, PVPSIT</p> <p>Mr.P.Karunakar, Assistant Professor, PVPSIT</p> <p>Ms.V.Harika, Assistant Professor, PVPSIT</p>	<p><b>Call for Papers</b></p> <p>ICEAAGE-2025 invites original research papers, review articles, and case studies that contribute to advancements in green energy. Papers should align with the conference’s key themes and showcase new findings, methodologies, or applications in sustainable energy.</p> <p><b>Topics of Interest</b></p> <p>Topics of interest for ICEAAGE-2025 include, but are not limited to:</p> <ul style="list-style-type: none"> <li>Renewable Energy Sources: Solar, Wind, Hydro, Geothermal, and Biomass</li> <li>Energy Storage Systems: Battery Technology, Supercapacitors, and Hydrogen Fuel Cells</li> <li>Smart Grids: IoT, AI, and Machine Learning Applications</li> <li>Environmental Impact and Greenhouse Gas Reduction</li> <li>Waste-to-Energy Technologies</li> <li>Electric Vehicles and Charging Infrastructure</li> <li>Energy Policies and Economics</li> <li>Emerging Materials for Green Energy</li> <li>Sustainable Urban Planning and Energy Solutions</li> </ul> <p><b>Registration</b></p> <p><b>Important Dates</b></p> <p>Submission of Full Paper: December 31, 2025</p> <p>Notification of Acceptance / Revision Notification: January 15, 2026</p> <p>Revised Paper Submission: January 20, 2026</p> <p>Early Bird Registration: Before January 25, 2026</p> <p>Late Registration Ends: January 30, 2026</p> <p>Conference Dates: February 27 &amp; 28, 2026</p>
--	--	---