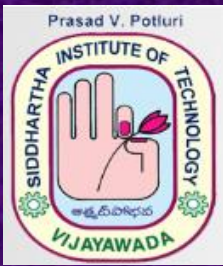# Golden Jubilee Year

of

Siddhartha Academy of General & Technical Education

VIJAYAWADA

Department of Electrical & Electronics Engineering
Prasad V. Potluri Siddhartha Institute of Technology

Kanuru, Vijayawada, Andhra Pradesh, India

Call for Papers

ICEAAGE 2025
2nd International Conference on Emerging Advances and Applications in Green Energy

25th February 2025| ****ONLINE MODE**** |No Registration Fees
Proceedings will be released in the form of a book with ISBN Number

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.

ABOUT THE COLLEGE:

Prasad V. Potluri Siddhartha Institute of Technology established in 1998 is a pioneering self-financed Institution renowned for Academic excellence and Discipline. The college is sponsored by Siddhartha Academy of General and Technical Education, the premier Organization that runs 18 Educational Institutions in diverse fields of study. The college offers B.Tech programme in Computer Science Engineering (CSE), CSE - Artificial Intelligence and Machine Learning (CSM), CSE - Data Science (CSD), Information Technology (IT), Electronics and Communication Engineering (ECE), Mechanical Engineering (ME), Electrical and Electronics Engineering (EEE) and CIVIL Engineering (CE); M.Tech programme in ECE,ME and MBA. The college is located at Kanuru in Vijayawada. It is well connected by Rail, Road and Air. Situated in an area of 19.98 acres of Land, the college has all the infrastructural facilities with well equipped Laboratories A Monolithic RCC Structure in a built up area of 36,537sq mts caters to the Academic needs of the students.

The Institution is Autonomous, approved by AICTE, Permanently affiliated to JNTUK, Kakinada and accredited by NAAC with A+ grade. All UG Programmes are accredited by NBA. It is an ISO 9001-2015 certified Institution and is widely acclaimed for its quality standards. UGC accorded 2f / 12B Status. The college is placed in the band of 101 to 150 in the NIRF Innovation stream. The Institution provides ample facilities for Research, Innovation and Entrepreneurial activities. Student of PVPSIT has the unique opportunity for holistic personality development through effective mentoring mechanism. The placement cell provides necessary career guidance and enables the students to secure placements. The highest pay package is 44 lakhs. The Institution has MOUs with 60reputed Industries. The curriculum is designed as per the Industrial needs and is revised from time to time.

The Alumni of PVPSIT are well settled in India and Abroad and have good networking with the Institution ,They share their Knowledge on cutting edge Technologies to the students and also appraise them of the opportunities available. The College encourages the students to participate in all Co-curricular and extra-curricular activities to improve their communication skills and organizational abilities. Ample facilities are available for Indoor, outdoor games and Yoga. The student has every opportunity in participating NSS and NCC activities. Gender equity is promoted through the Women's cell. Students play an active role in all aspects of Academic and Administrative bodies through the Students council.

ABOUT THE DEPARTMENT:

The Department of EEE was started in 2001 with an annual intake of 60 at UG. The Department is accredited by the National Board of Accreditation (in 2007, 2013, 2016, 2019, 2022), AICTE and has been certified by ISO 9001:2015. It has well established instructional facilities at laboratories.

The faculty of the Department have been working rigorously by undertaking advanced research projects and generated revenue of Rs. 6,39,000/-through consultancy from

Bureau of Indian Standards. 8 Faculty members out of 20 have doctoral degrees and 12 members are pursuing Ph.D. The department has MOUs with 8 reputed industries. The students have been trained in various latest software's 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 various internship courses offered by APSCHE to meet current industry needs.

CONFERENCE THEME:

This conference invites research papers from the following topics (but not limited)

➢ 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.

IMPORTANT DATES:

Deadline for submission of full paper: 3rd February, 2025
Paper Acceptance: 15th February, 2025
Camera Ready /Final Paper Submission deadline: 18th February, 2025

NO REGISTRATION FEES

SUBMISSION GUIDELINES & LINKS:

1) The Abstract includes Title of paper, Authors name, Authors affiliation, Email ID, details of the corresponding author, Department, Authors bio, etc.
2) The final submission/camera-ready copy of the papers must be with a length of maximum 8 pages and minimum 4 pages including figures, tables references.
3) Download paper template : https://www.pvpsiddhartha.ac.in/dep_eee/ICEAAGE/paper_template.docx
4) Paper submission Email Id: iceaage24@gmail.com
5) Accepted papers must be presented in the conference by one of the authors. Those papers which are presented in the conference session will be given participation certificates and conference proceedings with ISBN number

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