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**BVRIT.**  
B V Raju Institute of Technology

International Conference on  
**SUSTAINABLE ENERGY  
AND ADVANCED  
MANUFACTURING SYSTEMS  
(ICSEAMS 2026)**

in association with  
Kurume Institute of Technology



**10<sup>th</sup> - 11<sup>th</sup> April 2026**

Organized by  
Department of Mechanical Engineering  
**B V Raju Institute of Technology**  
Narsapur, Telangana, India

<http://icseams.bvrit.ac.in>



## About BVRIT

B.V. Raju Institute of Technology (BVRIT) was established in 1997 by the eminent philanthropist (late) Padmabhushan Dr. B.V. Raju under the aegis of Sri Vishnu Educational Society (SVES). BVRIT was granted autonomous status by the UGC in 2014. The institute is approved by AICTE and affiliated with JNTU Hyderabad. BVRIT is accredited by NAAC with an A+ grade and also by the NBA. The college offers 13 UG and 9 PG programs. The campus is equipped with centres of excellence such as the Assistive Technology Lab (ATL), the AICTE-Idea Lab, the Entrepreneurship Development Cell (EDC), the Center for VLSI Design, the Vishnu Space Engineering Laboratory, the Robotics Centre for Enhanced Learning, the Centre for Automotive Technologies, the Centre for Nanotechnology, Computational Fluid Dynamics (CFD) laboratory, etc.

## About Department

The Department of Mechanical Engineering (UG) at B.V. Raju Institute of Technology was established in 2009, with the M.Tech. (PG) program in Engineering Design starting in 2014, admitting 12 students annually. Both UG and PG programs are accredited by NBA Tier-1. The department has strong technical collaborations with global universities and companies, including Binghamton University (USA), University of New Brunswick (Canada), Kumamoto University (Japan), ALTAIR Engineering (India), etc. Students are proficient in the latest mechanical software such as AutoCAD, ANSYS, SolidWorks, FEMAP, Pro/ENGINEER, Master CAM and Altair. The department has also hosted notable events like the National-level Go-Kart Racing (IPEC-2018, 2023), Asian E-Bike Challenge-2018, and SAEINDIA e-BAJA (2024, 2025) at BVRIT Narsapur.

## About Conference

The International Conference on Sustainable Energy & Advanced Manufacturing Systems (ICSEAMS - 2026) is a premier event that brings together researchers, industry experts, academicians, and policymakers to explore & discuss advancements in energy systems and manufacturing technologies. With the aim of fostering innovation and promoting sustainable practices, ICSEAMS - 2026 will provide a global platform to share cutting-edge research, practical insights, & technological advancements that shaped the future of industries. The conference will focus on the latest trends and breakthroughs in renewable energy, smart grids, hydrogen technologies, additive manufacturing, Industry 4.0, sustainable practices, and more. Participants will have the opportunity to engage in insightful discussions, form collaborative partnerships, and explore solutions that align with global sustainability goals and industrial excellence.

## Call for Papers

ICSEAMS 2026 invites original & high-quality research contributions from academicians, researchers, engineers, scientists, research scholars, students, and industry professionals from around the globe. The conference will feature plenary sessions, keynote addresses by eminent experts, and technical paper presentations across various thematic areas. Authors are requested to submit full-length papers as per the prescribed format by the submission deadline. All submitted papers will undergo a double-blind peer review process by the Technical Committee members. Based on the reviewers' recommendations, selected papers will be scheduled for oral presentation during the conference.

## Publication

Selected papers presented at the conference will be published in Web of Science and/or Scopus-indexed journals or in the Conference Proceedings. All submissions will undergo a rigorous peer-review process to ensure academic quality and relevance.

## Themes of the Conference

ICSEAMS 2026 aims to bring together cutting-edge research and innovation in the relevant thematic areas under sustainable energy & manufacturing systems. Submissions are invited across a broad range of disciplines, including but not limited to the following areas:

### DESIGN OF RENEWABLE ENERGY TECHNOLOGIES

- Solar Photovoltaic (PV) and Solar thermal systems
- Wind Turbine Design and Offshore Wind Technologies
- Small and Large scale hydropower systems
- Design of hybrid renewable energy systems

### HYDROGEN STORAGE AND BATTERY TECHNOLOGIES

- Lithium-ion, Sodium-ion, and Solid-state Batteries
- Grid-scale Storage vs. Decentralized Storage
- Battery Management Systems and Safety
- Supercapacitors and Hybrid Storage Technologies
- Hydrogen Production and Storage Methods

### SMART GRIDS AND EV CHARGING INFRASTRUCTURE

- Grid-tied Inverters for Solar and Wind Systems
- High-Efficiency DC-DC Converters
- Cybersecurity in Smart Grid Networks
- Renewable-Powered EV Charging Stations

### ENERGY EFFICIENCY IN INDUSTRIAL AND COMMERCIAL SECTORS

- CFD modelling for coupled fluid-thermal-structural analysis
- Process Optimization and Waste Heat Recovery
- Building Management Systems (BMS)
- Digital Twins and Predictive Maintenance
- Carbon Capture, Utilization, and Storage Technologies

### WASTE-TO-ENERGY CONVERSION AND SUSTAINABLE PRACTICES

- Anaerobic Digestion and Biogas Production
- Pyrolysis and Gasification of Waste
- Integration with Circular Economy Models

### AI AND IOT APPLICATIONS IN ENERGY SYSTEMS

- Predictive Maintenance and energy consumption Using AI
- Smart Home Energy Management
- IoT-enabled Grid Monitoring and Control
- AI Optimization in Renewable Integration
- Edge Computing and Real-time Decision-Making

### DIGITAL AND SMART MANUFACTURING

- Industry 4.0 and Smart Manufacturing Technologies
- IoT Applications in Manufacturing Systems
- Integration of AI and Machine Learning in Manufacturing
- Simulation and Modelling in Manufacturing Processes

### AUTOMATION AND ROBOTICS IN MANUFACTURING

- Robotics and Automation in Manufacturing
- Flexible and Agile Manufacturing Systems

### POLICY AND ECONOMICS OF SUSTAINABLE ENERGY SYSTEMS

- Renewable Energy Incentives and Subsidies
- Carbon Pricing and Emissions Trading Schemes
- International Agreements and Climate Policy
- Economic Impact Assessments and Cost-Benefit Analysis
- Financing Models and Public-Private Partnerships
- Paris Agreement Crediting Mechanism (PACM)

### ADVANCED MANUFACTURING TECHNOLOGIES

- Advances in Additive Manufacturing
- Advanced Welding and Joining Processes
- Advanced Materials for Manufacturing (Composites, Alloys, and Ceramics)
- Advances in Biomaterials Science and Engineering

### SUSTAINABLE AND EFFICIENT MANUFACTURING

- Sustainable Manufacturing Practices and Circular Economy
- Optimization and Quality Control

## Important Dates

Submission of Abstract	: 03 <sup>rd</sup> Nov 2025
Acceptance of Abstract	: 08 <sup>th</sup> Dec 2025
Submission of full-length Paper	: 10 <sup>th</sup> Jan 2026
Acceptance of revised full-length Paper	: 07 <sup>th</sup> Mar 2026
Earlybird registration & Payment of Fees	: 15 <sup>th</sup> Mar 2026
Late registration	: 27 <sup>th</sup> Mar 2026
Conference	: 10 <sup>th</sup> & 11 <sup>th</sup> Apr 2026

## Registration Details

Early bird Registration upto	Till 15 <sup>th</sup> March 2026	27 <sup>th</sup> March 2026
Academicians	Rs 1500	Rs 2000
R&D/Industry Executive	Rs 2000	Rs 2500
Foreign Delegates	US \$ 200	US \$ 250
Students/Research Scholars	Rs 1000	Rs 1500
Attendee	Rs 500	Rs 750

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