# 2nd INTERNATIONAL CONFERENCE ON SUSTAINABLE TECHNOLOGY IN ENERGY AND POWER SYSTEMS (STEPCon–2027)

Technically Co-sponsored by IEEE Kolkata Section
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## ABOUT STEPCon-2027

**STEPCon-2027**, a prestigious technical conference organized by Electrical Engineering Department of Narula Institute of Technology in collaboration with the IEEE Kolkata Section, will focus on "Technology in Energy and Power Systems". The conference is scheduled from November 18-19, 2027 and the event will bring together leading researchers, industry experts, research scholars and academicians to discuss innovative solutions for sustainable energy. Key topics will include advancements in renewable energy technologies, smart grids, and power systems aimed at fostering a greener and more efficient future. The conference promises to be a significant platform for knowledge sharing and networking in the field of sustainable energy.

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| Important Dates | |
|---|---|
| Commencement of Paper submission | 01.01.2027 |
| Full Length paper submission deadline | 06.05.2027 |
| Notification of Acceptance | 21.08.2027 |
| Camera Ready Manuscript | 16.10.2027 |
| Early bird registration deadline | 09.09.2027 |
| Regular registration deadline | 02.10.2027 |
| Conference dates | 18.11.2027-19.11.2027 |

| Theme 1: Sustainable Energy | Theme 2: Sustainable Utilization of Energy | Theme 3: Intelligent Grid Systems | Theme 4: Control, Communication, Networking & Computational Analysis |
|---|---|---|---|
| • Wind, Solar and Renewable Energy<br>• Green Energy and Economy<br>• Hydrogen Production (Grey, Blue and Green)<br>• Nano-material for Energy applications<br>• Waste to Energy<br>• Fuel Cell<br>• Biomass<br>• Hydro Power Generation<br>• Environmental Impact and Policy<br>• Energy Conservation and Energy Management | • Electric Vehicle and Charging Infrastructure<br>• Electrical Machines<br>• Power Electronics and Drives<br>• Industry 4.0, SCADA and Automation<br>• Measurements and IoT<br>• Sensor Modelling and Soft Sensors<br>• SMART Sensors<br>• Lighting and Heating Applications | • Power Transmission<br>• Smart Grid<br>• Micro Grid<br>• Storage Systems<br>• Power System Stability, Protection and Re-regulation<br>• IoT based monitoring applications<br>• Condition monitoring of electrical equipment<br>• Power Quality and FACTS<br>• Digital Twin | • Optimization, Meta-heuristics and their applications<br>• Signal and Image-analysis in instrumentation<br>• Biomedical Applications, Electronics and Signal Processing<br>• Industrial Surveillance systems<br>• Linear and Non-linear Control<br>• Intelligent Control and Robotics<br>• Power system control<br>• WSN applications for monitoring and control<br>• Optical Communication Systems<br>• Neural Networks, Fuzzy systems and Neuro-Fuzzy systems.<br>• Deep Learning and Advanced Engineering Application. |

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