भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

Press Release

IIT Bhubaneswar holds Workshop on "Advances in Resilient DER, Microgrid, and Electric Vehicle Technologies for Smart Grids"

Bhubaneswar, 24th February 2026: A three-day international workshop on "Advances in Resilient DER, Microgrid, and Electric Vehicle Technologies for Smart Grids" was successfully conducted from 19th to 21st February 2026 under the prestigious Scheme for Promotion of Academic and Research Collaboration (SPARC) initiative. The programme served as a dynamic platform for knowledge exchange and collaborative engagement among academia, research institutions, and industry.

The workshop witnessed enthusiastic participation from research scholars, academicians, and industry professionals from across institutions, reflecting the growing interest and rapid advancements in smart grid technologies and sustainable energy systems.

The event featured an eminent panel of distinguished speakers from globally reputed institutions and organizations, including Prof. Sanjib Kumar Panda, National University of Singapore; Prof. Abhisek Ukil, University of Auckland; Prof. Kaushik Basu, Indian Institute of Science Bengaluru; Prof. Chandan Kumar, Indian Institute of Technology Guwahati; Prof. Venkata Raghavendra Itte, National Institute of Technology Tiruchirappalli; Dr. Bala Naga Lingaiah Ande, AVL India; Prof. A. K. Tripathy, former Director General, CPRI ; Dr. Deepak Ronanki, Indian Institute of Technology Madras; Dr. Deepak Pullaguram, Indian Institute of Technology Kharagpur.

The expert lectures and technical sessions comprehensively covered emerging trends, practical challenges, and innovative solutions in Smart grid architectures and control; Distributed Energy Resources (DERs) integration; Resilient and autonomous microgrids; Electric vehicle technologies and grid interaction; Advanced power electronics and energy management systems.

The workshop facilitated vibrant technical discussions, interactive Q&A sessions, and collaborative brainstorming, enabling participants to gain deeper insights into next-generation energy systems. Particular emphasis was placed on grid resilience, renewable integration, electrification of transportation, and sustainable power system design.

The successful conduct of this SPARC-supported workshop marks a significant step toward strengthening international academic collaboration and accelerating research advancements in smart grid and clean energy technologies. The organizers expressed their sincere gratitude to the distinguished speakers, participants, and collaborators for making the event intellectually enriching and impactful.

The workshop concluded with a strong commitment to continued research partnerships and innovation-driven progress in resilient and sustainable energy systems.
