



Topics To Be Covered

- Overview of Industry 4.0 and its impact on the power sector
- IoT applications for smart grids and energy management and, Case studies and best practices
- Integration of renewable energy sources and distributed generation in Industry 4.0
- Smart Grids and Energy Management Systems
- Security challenges and solutions in cyber-physical power systems
- Artificial intelligence and machine learning for optimizing power system performance
- Role of blockchain technology in the energy sector
- Smart metering and demand-side management

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Co-Coordinator

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Bapuji Educational Association (R.)

Bapuji Institute of Engineering & Technology

An Autonomous Institute Affiliated to Visvesvaraya Technological University, Belagavi, Karnataka.
Approved by AICTE, New Delhi | Accredited by NAAC with 'A' grade and NBA (UG Programmes)

Recognized by UGC, New Delhi under 2(F) and 12(B)

<https://www.bietdvg.edu>
Shamanur Road, Davangere
Karnataka, India



Three Days National Level Symposium on

"Challenges and Opportunities of Industry 4.0 in Power Systems"

25-11-2024 to 27-11-2024

Organized by

Department of Electrical Electronics Engineering

About the Institution

Bapuji Institute of Engineering and Technology (BIET) is one among the top ten self-financing Engineering Institutions in the state of Karnataka, providing high quality education to bring out skilled engineers and technocrats. The greenery campus spread over an area of 63 acres provides the state of art infrastructure and facilities. The institute provides an ideal ambience for teaching-learning process, co-curricular and extra-curricular activities to achieve excellence in technical education, research and promotion of entrepreneurship. The institute has consistently produced skilled and outstanding engineers who have excelled in their career and occupied responsible positions in some of the best known enterprises in India and across the globe. The institute has got recognition by UGC under section 2F of UGC act.

Vision of the Institute

To be a center of excellence recognized nationally and internationally, in distinctive areas of engineering education and research, based on a culture of innovation and invention.

Mission of the Institute

BIET contributes to the growth and development of its students by imparting a broad based engineering education and empowering them to be successful in their chosen field by inculcating in them positive approach, leadership qualities and ethical values.

About the Department

The Department of Electrical & Electronics Engineering started in the year 1979 with an intake of 60 students. Department is duly recognized and accredited by National Board of Accreditation, AICTE, New Delhi and The Institution of Engineers (India), Kolkata. The Department of Electrical Engineering has qualified and young faculty members. The average experience of teaching staff in the department is 12years. All the faculty committed to provide quality education in undergraduate studies. Department has state-of-the-art infrastructure. It offers quality research in the PhD program. The department has testing facilities for carrying out industry sponsored research and consultancy projects.

Vision of the Department

To train globally competent quality students in Electrical Engineering through excellent academic inputs, innovative ideas and team work.

Mission of the Department

- To enhance the quality of life of students through continuous learning and state-of-the-art technical education.
- To meet the long term needs of the industry & society.
- To inculcate leadership qualities & ethical values.
- To serve the community for the socio economic developments.

About the Scientific Event

The power industry is essential to maintaining economic growth and development in the country. In order to guarantee an effective, dependable, and sustainable power supply, specialists in the power sector must quickly adjust to the rapid evolution of Industry 4.0 technology. By addressing the unique possibilities and problems that the power industry faces in the context of Industry 4.0, this symposium will provide participants with the information and abilities they need to help modernize the nation's power infrastructure.

Target Audience:

Faculty Members and Research Scholars from the Engineering Colleges recognized by AICTE/UGC

Link for Registration:

<https://forms.gle/QSpC7qFThocaNeyy6>

Last Date for Registration: 15/05/2024

Registration fees : INR 500

Number of Participants limited 40 and first come first serve basis.

Address for Communication

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