Invited Speakers

Eminent speakers from reputed Institutions.

Participants

Students from universities, affiliated / autonomous Institutes of the country, working professionals and researchers.

Date to Remember

Last date for registration: 29.10.2013

COURSE FEE DETAILS:

Registration Fees: Rs.200 per Participant

The payment should be made by DD drawn in favour of “Dean, Anna University, BIT Campus, Tiruchirappalli” payable at Tiruchirappalli.

Contact:

The Head.
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Organized by

Department of Electrical and Electronics Engineering
Anna University, BIT Campus
Tiruchirappalli - 620 024
Anna University, BIT Campus, Tiruchirappalli

Anna University, BIT Campus, Tiruchirappalli, has been established by the Government of Tamil Nadu as a ‘Technical Institution’ at Tiruchirappalli - known as Rock Fort city, with rich cultural heritage and home to many reputed educational institutions. The BIT institution is one of the constituent college of Anna University, Chennai. The Institution is established with a view to impart quality student centered technical education, so as to produce proven technocrats and to strive hard for continuous development and improvement in learning, research and developmental activities. Teaching, Research and Extension services are carried through the Departments and Centers of the Institution. The Institution also works towards fostering partnerships with Academic and Industrial experts to provide quality education and opportunities for entrepreneurial development by providing hands-on training. BIT has carved a niche for itself in providing technical education in the disciplines that are rare of their kind in our country. Aiming at excellence, the Institution offers Research programmes in English and UG/PG programmes in various disciplines

Department of Electrical and Electronics Engineering

The Department of Electrical and Electronics Engineering was established in 2007 as part of the Anna University, BIT Campus, Tiruchirappalli. The Department today is recognized for teaching and for providing an outstanding research environment for staff and students. The Department provides professional training and at the same time to participate actively in applied and theoretical research. The Department strives to instill in students the attitudes, values, vision and training that will prepare them for lifetimes of continued learning and leadership, to develop the ability and passion to work wisely, creatively, and effectively for the benefit of society; to generate new knowledge for the betterment of humankind and disseminate it universally; and to generate realistic and innovative solutions for the current and future technological needs.

About The Course

Environmental and economic affairs lead to changes in the power generation system. As a consequence massive efforts have been made to motivate the development of Renewable Energy (RE) resources. Distributed Generation (DG) together with renewable Distributed Energy Resources (DER) units has been emerging in the landscape. DG leads to fundamental changes in the power generation system. Conventional centralized structures are now being converted to DG systems, where unidirectional power flows are now reversed under the influence of DER units feeding in to the distributed system. With the increasing share of RE technologies, fundamental issues such as Power Quality come into view all over again. Power Quality in particular receives much interest due to an increasing sensitivity of customers and because of the fear that the quality and reliability of electricity supply may be at risk with a higher share of new renewable generation technologies. The sharp electricity generation increase from RE resources creates a necessity for different studies to analyse the Power Quality impact of the integration of this technology into the power system, as well as an evaluation of the resulting consequences in order to make the required adjustments. The main objective of this seminar is to acquaint students on various power quality issues arising mainly due to penetration of Renewable energy sources in the grid.

Tentative Topic Covered:

- Overview of Renewable Energy Resources
- Practical Utility of Distributed Generation resources
- Power Quality Problem due to Renewable Energy Resources
- Analytical Techniques
- Improvement of Power Quality

Organizing Committee

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Regional Director and Dean
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