ABOUT THE INSTITUTE

Situated in the Sylvan surroundings at the foot of the Western Ghats, the village of Nitte is 57 km from Mangalore. Nitte Mahalinga Adyanthaya Memorial Institute of Technology (NMAMIT), an autonomous institution affiliated to Visvesvaraya Technological University (VTU) Belgaum is a dream reality of Nitte Education Trust (NET). The institution is named after the first ever Engineering graduate from coastal Karnataka. The Nitte Education Trust, (established in 1979) runs 22 Educational Institutions, five of which are at Nitte providing serenity of the rural atmosphere with all the facilities of an urban centre. The college offers seven UG and five PG courses in the Engineering disciplines besides MCA and MBA courses. All of the departments have been recognized as Research Centre by the VTU and many candidates have registered for their Doctoral studies under VTU, Belgaum.

All the disciplines at BE level are accredited by the National Board of Accreditation, New Delhi. The Institution is ISO 9001:2008 Certified from KEMA Netherlands and is recognized as Lead Institution under World Bank’s TEQIP programme.

ABOUT THE DEPARTMENT

The department of E&E Engineering, established in 1987, conducts UG and PG courses. The department is a VTU-PG Extension Centre for the PG course on Microelectronics & Control Systems. With the state of the art Laboratory in Power Electronics, Control Systems, Power Systems, Computers & High Voltage and Relay, it caters to the need of all the Electrical and Electronics Engineering students. The B.E. (E&E) program has been accredited by NBA-AICTE. Further, this department has been recognized as Research Centre by VTU.

NCAEE- 2015 is the Eighth Edition of the National Conference conducted annually by the department for the benefit of the teaching fraternity and Research scholars.

PREAMBLE

Electrical Energy is the major impetus for the development of nation. Industrialization and automation is the present day trend. In this connection, generation, transmission and utilization of electrical energy play a major role. Development of Electronics, instrumentation, systems theory definitively aid to efficient and economical operation of electric power system. For making the best use of resources and achieve highest quality of services, one has to be expert in multiple specializations. Interdisciplinary programmes help one to be more competent in such a scenario. Hence, the objective of the conference is to provide a platform for people who are working in Electrical Science and allied disciplines to share their expertise and contribute to the development of science and technology with Engineering concepts. It is an annual event providing a platform for researchers and engineers from Academia, Industry and Utility to exchange their knowledge, expertise and experience and deliberate on the challenges of current and future electric power systems.

Keeping above factors in view, the theme for this year conference is chosen as Smart Grid and Energy Storage Systems.

The proposed conference will mainly focus on the following major areas:

- Power systems planning, operation and control
- Grid optimization
- Grid challenges: Planning, interconnection, operation and control.
- Design, development and placement of smart sensors in power systems
- Power quality monitoring and mitigation
- Approach to computationally complex problems
- Sustainable development and environmental conservation
- Automation and instrumentation
- Intelligent monitoring of high voltage power equipment
- Artificial intelligence
- SCADA
- Storage systems for grid with uncertain resources
- Robust and Optimal Control
- Neural Networks and Fuzzy logic
- Computer control of industrial processes
- Integration of renewable energy systems with smart grid.
- Role of FACTS and custom power devices in smart grid.

Theme: Smart Grid and Energy Storage Systems

Registration Form

1. Name: __________________________________________
2. Designation: ________________________________
3. Address for communication: ___________________

Phone Number: _________________________________________

4. Email: _________________________________________

5. Details of Demand Draft:
   Amount: Rs. _____________________________
   No: _____________________________ Date: _____________________________
   Bank: ________________________________

6. Do you need accommodation? YES / NO
7. Signature: _______________________________________
8. Signature & Seal of Forwarding Authority: ____________________________
The authors of the paper may note that the area mentioned are in a broad sense and not strictly limited to the above.

**CALL FOR PAPERS**

Participants interested in presenting a paper on any of the topics mentioned above are requested to send the manuscript of paper which has not been published elsewhere. The manuscript should be sent in IEEE format on a CD preferably in Word or pdf format along with one hard copy. Manuscript can have a maximum of 6 pages.

**ELIGIBILITY:**

Faculty of Engineering Colleges / Institutions teaching in the Department of EEE, ECE, Research scholars from Engineering colleges or Industries.

**REGISTRATION FEES AND IMPORTANT DATES:**

For participants from academic Institution’s (For faculty, PG students and research scholars) ... Rs. 1,000/-

For participants from Industry & Others ... Rs. 2000/-

Manuscript Submission : March 10, 2015

Notification of Acceptance : March 15, 2015

Last date for submitting the Filled registration forms : March 20, 2015

**MODE OF PAYMENT:**

Registration fee may be paid through Demand Draft, drawn in favor of Principal, NMAMIT, NITTE payable at Syndicate Bank, Nitte.

**ACCOMMODATION:**

Accommodation can be arranged on prior request to be indicated in the Registration Form. Limited accommodation is available in the College guest house which can be booked on first cum-first served basis with a nominal charges.

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NATIONAL CONFERENCE
ON
ADVANCES IN ELECTRICAL ENGINEERING - 2015
(NCAEE - 2015)
April 2, 2015

THEME: Smart Grid and
Energy Storage Systems

To

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