

## 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 Technology University (VTU) Belgavi 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 eleven 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, Belgavi.

The majority of the programs are accredited by the National Board of Accreditation, New Delhi. The Institution is ISO 9001:2008 Certified from NVT Quality certification Pvt. Ltd., Bangalore and is recognized 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. The department is also offering M.Tech in Power Electronics. 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- 2017 is the Tenth 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 definitely 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 programs 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 conference 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 **“Challenges and ICT Applications in Power 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 system.
- 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.



**NMAM INSTITUTE OF TECHNOLOGY, NITTE**

**DEPARTMENT OF ELECTRICAL &  
ELECTRONICS ENGINEERING**

**NATIONAL CONFERENCE  
ON  
ADVANCES IN ELECTRICAL ENGINEERING 2017  
(NCAEE - 2017)**

**April 5 - 6, 2017**

**Theme: Challenges and ICT Applications  
in Power 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 in IEEE word format. 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, ... Rs. 1,500/-  
PG students and research scholars)  
For participants from Industry & Others ... Rs. 2000/-

Important Dates:

Manuscript Submission : 20th February, 2017  
Notification of Acceptance : 10th March, 2017  
Final submission &  
Last date for registration : March 20, 2017

#### 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.

#### Organising Committee

*Patron :*

**Sri N. Vinaya Hegde**  
Chancellor, Nitte University,  
President, Nitte Education Trust

*Chairman :*

**Dr. Niranjan N. Chiplunkar**  
Principal, NMAMIT Nitte

*Conference Chair :*

**Dr. Nagesh Prabhu**, HOD, E & E Engineering

*Convener :*

**Prof. K. Vasudeva Shettigar**  
Associate Professor, E & E Engineering

*Co-ordinators :*

**Mr. Naveen J.**  
**Mr. Gururaj K.**  
Assistant Professors, E & E Engineering

*Advisory Committee :*

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Vice Principal & Coordinator, TEQIP  
**Dr. Srinivas Rao**, Vice Principal & COE  
**Sri A. Yogesh Hegde**, Registrar, NET, Nitte  
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**Prof. Suryanarayana K.**,  
Associate Prof. E&E Engg.  
**Prof. Pradeep Kumar**, Asst. Prof, E & E Engg.

#### ADDRESS FOR CORRESPONDENCE

**K. Vasudeva Shettigar**  
Associate Professor  
Mob: +91 9845913123, Ph.: 08258-233571 (R)  
kvshettigar@nitte.edu.in  
kvshettigar1264@gmail.com

**Naveen J.** **Gururaj K**  
Asst. Professor Asst. Professor  
naveenchickmaglur@nitte.edu.in raos2k@nitte.edu.in  
Mob: +91 9449281620 Mob: +91 9844994375  
Department of Electrical & Electronics Engineering  
NMAMIT, Nitte - 574110.



NMAM INSTITUTE OF TECHNOLOGY

NITTE - 574 110

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*Sponsored by*  
**TEQIP - II and**  
**Nitte Education Trust**

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*Coordinators*

**Naveen J**  
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*Organized by*

**Department of Electrical & Electronics Engineering**

NMAM Institute of Technology

(A Unit of Nitte Education Trust)

Nitte - 574110, UDUPI Dist.

www.nitte.ac.in

Ph: (08258) 281263, 281264 + extn 290 / 292.

Fax: (08258) 281265