Accommodation:

Accommodation facilities can be arranged at NITC Hostels subject to the availability based on prior request on chargeable basis.

About NIT Calicut:

National Institute of Technology Calicut (NITC) is one of the 31 institutions of national importance under the NIT Act 2007 and is fully funded by the Government of India. The mandate of the Institute is to provide higher technical education and conduct research in the various branches of Engineering, Science, Technology and Management. Originally established in 1961 as a Regional Engineering College (REC), it was transformed into a National Institute of Technology in the year 2002. Institute offers bachelors, masters and doctoral degree programs in Engineering, Science, Technology and Management. With its proactive collaborations with a multitude of research organizations, academic institutions and industries, the institute has set a new style for its functioning under the NIT regime.

Set in a picturesque landscape at the foothills of the Western Ghats, NITC is located about 22 kilometers north - east of Calicut City. It stretches over a length of about 1.5 km along the Calicut-Mukkam road, extending over an area of approximately 120 hectares. Being a fully residential institution, the campus houses academic buildings, research labs, hostels, residences and other amenities among its infrastructure. The Institute is presently offering 10 UG programs with a total intake of 1049 and 30 PG programs including MBA with a total intake of 666. Doctoral level research has remarkably increased in the recent times, with over 517 research scholars registered and there has also been a substantial increase in the volume of research papers and patents produced

About Department of Electrical Engineering:

Established in 1961, the Department of Electrical Engineering of the National Institute of Technology Calicut offers programmes leading to Bachelor's Degree, Master's Degree as well as Ph.D. The four year undergraduate programme leads to the Bachelor of Technology (B. Tech) degree in Electrical and Electronics Engineering. Specializations for the Master's level programmes are (i) Instrumentation & Control Systems (ii) Power Systems (iii) Power Electronics and (iv) Industrial Power and Automation, (v) High Voltage Engineering.

The major research groups in the Electrical Engineering department are Control & Instrumentation, High Voltage Engineering, Power & Energy, Machines & Power Electronics, Industrial Power & Automation. In addition to these regular programmes, this department is also actively involved in conducting faculty development programmes, job-oriented short-term training programmes, continuing education programmes for engineering professionals and academic faculty. Department has a number of sponsored projects in different areas funded by agencies like DRDO, KSCSTE etc.

Program Coordinators:

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MTECH COLLOQUIUM -2017

24th -26th May 2017

Organized by

Department of Electrical Engineering

National Institute of Technology Calicut

Attractive Prize Money

In association with

Preamble:

In the recent years there has been a tremendous increase in the number of students pursuing M.Tech Programme in various streams of Electrical Engineering in the country. As all these M.Tech students have to undertake M.Tech Projects of around one year duration in different topics based on their area of specialization, the volume of work being done by the M.Tech students is very high and there may be many research projects have a potential to develop into products in the industry or research projects under various universities and research institutions. But there is a lack of common platform where the students can discuss about their projects and exchange ideas and get valuable comments and suggestions from experts in the field to make their research projects more meaningful to the society.

About the Colloquium

The M.Tech Colloquium is a programme conducted exclusively for the M.Tech students in different streams of Electrical Engineering from all over the country. The second year M.Tech students who are in the final stages of their M.Tech project will be invited to present their work in front of experts in the relevant area from the industry as well as academia. With the help of this event the students will get an exposure to the industry and academic experts and thereby their projects will get a better visibility among the technical community

This programme is conducted with the following objectives

- To provide a better visibility to the M.Tech projects being done by the M.Tech students
- To encourage and inspire the students to continue their research efforts resulting in high impact publications and patents
- To provide valuable suggestions and feedback to the students to fine tune their work for industry applications
- To provide a platform for the first year M.Tech students to get an understanding on how to do high quality M.Tech research projects

Streams Identified:

- **Power Systems:**
  Load flow studies, Power system reliability, Power system protection, Energy Efficiency, High Voltage Engineering, Power Quality
- **Renewable Energy:**
  Solar and Wind Energy, Fuel Cell applications, Smart grid applications, Microgrids
- **Power Electronics for Drives:**
  Control of Electric Drives, Electrical Machines, Power electronics for circuits applications
- **Power Electronics for Renewable Energy**: Control of converters for solar and wind applications, MPPT control
- **Control and Instrumentation:**
  Robotics, Control Systems, Automation Instrumentation, Navigation control, Biomedical Engineering and Signal processing

Programme Outline:

- Final year M.Tech Students from any AICTE approved engineering colleges/universities can submit the extended abstract of their M.Tech projects to **mtc17nitc@gmail.com** in the specified format given at **www.nitc.ac.in/mtc17**
- Selected projects based on screening committee decision need to be presented in front of the expert committee
- Simulation and hardware work shall be demonstrated during the presentation, if possible
- The expert committee shall constitute experienced working professionals from reputed industries and faculty experts from various IITs and NITs.
- During the colloquium, there will be talks and presentations by experts to motivate and inspire the students to do high impact research and publications
- The best two projects under each stream will be awarded with **attractive cash prizes**

Who can participate?

- Final year M.Tech Students from any AICTE approved engineering colleges/universities
- Any other M.Tech/ B.Tech/ PhD students/ Faculty members/ working professionals

Registration:

For online registration, visit **www.nitc.ac.in/mtc17**

Fees:

Rs. 100/- (For authors of selected abstracts)
Rs. 750/- (For others)

Registration fees include registration kit, working lunch, snacks and certificates

This programme is managed by IEEE PES Student Chapter NIT Calicut

Mode of Payment:

Online Payment / Demand Draft

Account Holder Name:
IEEE PES STUDENT CHAPTER NIT CALICUT
Account Number: **34385865770**
IFSC Code: SBIN0002207
Bank/Branch: SBI, REC Chathamangalam, Calicut.
(Enter your name in transaction remarks)

Important Dates:

Last date for submission of abstracts	15 May 2017
Confirmation of acceptance of abstracts	18 May 2017
Last date of registration for presentation/participation	22 May 2017
Colloquium dates	24-26 May 2017