

National Institute of Technology, Tiruchirappalli

The National Institute of Technology (formerly known as Regional Engineering College) Tiruchirappalli, situated in the heart of Tamil Nadu on the banks of river Cauvery, was started as a joint and co-operative venture of the Government of India and the Government of Tamil Nadu in 1964 with a view to catering the needs of man-power in technology for the country. The college has been conferred with autonomy in financial and administrative matters to achieve rapid development. Because of this rich experience, this institution was granted Deemed University Status with the approval of the UGC/AICTE and Govt. of India in 2003 and renamed as National Institute of Technology. NIT-T was registered under Societies Registration Act XXVII of 1975. National Institute of Technology Trichy is one of the 31 National Institutes of Technology established by the Government of India. The institution offers Under Graduate Courses in ten branches and Post Graduate Courses in twenty-one disciplines of Science, Engineering & Technology besides M.S. (by Research) and Ph.D. in all the departments.

Objective of the Workshop

The objective of the Workshop is to equip the participants with a technical knowhow on the various technologies pertaining to the revival of conventional power grid into smart power grid.

Theme and sub-themes of the Workshop

Theme: “Smart Grid Technologies- Operation, Control and Recent Deployments”

Smart grid technology is a collection of existing and emerging technologies working together to achieve energy efficiency, automation and financial benefits in the production, transport and consumption of electrical energy. Smart grid technologies involve integration of renewable energy sources into the conventional power grid both at the transmission and distribution level, employing FACTS and HVDC transmission systems, realising wide area monitoring and protection system and adopting information and communication technology for consumer participation in the grid operation. In this course, participants learn about the requirement for a smart grid in future. Further, they will be exposed to several modern and evolving technologies that can be applied in transforming the present power grid into smart power grid. They will also be educated about the issues in the implementation of smart grid and present scenario in the national and international levels.

As a whole the workshop is planned to cover the following sub-themes in all the lectures and laboratory sessions:

1. Smart Grid Concept, Definition and Need for smart Grid
2. Substation Automation, Energy Management System
3. Smart integration of Renewable Energy Resources

ABOUT THE INSTITUTION OF ENGINEERS (INDIA)

The Institution of Engineers (India) or IEI is the largest multidisciplinary professional body that encompasses 15 engineering disciplines and gives engineers a global platform from which to share professional interest. IEI has membership strength of over 0.8 million. Established in 1920, with its headquarters at 8 Gokhale Road, Kolkata - 700020, IEI has served the engineering fraternity for over nine decades. In this period of time it has been inextricably linked with the history of modern-day engineering.

In 1935, IEI was incorporated by Royal Charter and remains the only professional body in India to be accorded this honour. Today, its quest for professional excellence has given it a place of pride in almost every prestigious and relevant organization across the globe. IEI functions among professional engineers, academicians and research workers. It provides a vast array of technical, professional and supporting services to the Government, Industries, Academia and the Engineering fraternity, operating from 125 Centres located across the country. IEI provides grant-in-aid to its members to conduct research and development on engineering subjects.

IEI conducts Section A & B Examinations in different Engineering disciplines, the successful completion of which is recognized as equivalent to Degree in appropriate Field of Engineering of recognized Universities of India by the Ministry of Human Resources Development, Govt. of India. Every year as many as 80000 candidates appear for these exams.

For details, please see: www.ieindia.org

ABOUT TIRUCHIRAPPALLI LOCAL CENTRE

Tiruchirappalli Sub-Centre of IE(I) was formed in 1973 and was elevated as Local Centre in 1987 after the membership crossed the 500th mark. Presently, the membership is more than 2000. Our Local Center is functioning for past 27 years in its own premises located in BHEL campus on the land leased by BHEL, Tiruchirappalli, The building was declared open by Shri P.S Gupta, CMD, BHEL in August 1990. The institution houses a library having more than 5000 books from various divisions for the benefit of students and members. Our Centre celebrated its Silver Jubilee in 1998 to mark the completion of 25 years of its formation and its meritorious service to the Engineering community. The Local Centre has a very close liaison with leading engineering organizations, professional Institutions and sister professional bodies in the conduct of Technical activities. Tiruchirappalli Local Centre stands Second in our country, among all Local Centres based on the level of activities. We have been regularly receiving additional incentives and appreciation letters of the President and other top people of our institution, for the same.

For details, please see: <http://ieitiruchi.org/>

The Institution of Engineers (India)

“100 years of relentless journey towards
Engineering Advancement for Nation
Building”

All India Workshop

on

“Smart Grid Technologies-
Operation, Control and Recent
Deployments”

12-13 June 2020

Organized by



The Institution of Engineers (India)

Tiruchirappalli Local Centre
under the aegis of

Electrical Engineering Division Board, IEI
in association / collaboration with



National Institute of Technology,
Tiruchirappalli.

VENUE

National Institute of Technology,
Tiruchirappalli.

- Smart meters & Advanced Metering Infrastructure
- Demand Side Management & Demand Response
- Case studies on the recent deployments

Resource persons from NIT and various other academic institutions, industries and public sector institutions will be invited.

Registration Fees (Inclusive of GST as applicable):

All delegates attending the workshop must register by filling the registration form available in the website of IEI-TLC and by paying registration fees as follows:

Category	IEI members – in Rs.	Non IEI members – in Rs.
Industries & Govt. organizations	1500	1700
Academic Institutes – Faculty	1200	1400
Students and Research Scholars	600	800

- Registration fee includes workshop kit, Tea & working lunch during sessions. Presentation material will be shared through G drive for limited period for downloading by participants.
- The Registration form in the prescribed format to reach us on or before 05.06.2020.
- The number of participants will be limited to 60. Hence participants are advised to register early.
- The registration form along with documents of payment should be submitted to the Hon. Secretary personally or by post / courier on the following address:

Hon. Secretary,
The Institution of Engineers (India)
Tiruchirappalli Local Centre,
BHEL Main Office Road, BHEL,
Tiruchirappalli – 620014

Payment :

The payments can be made by

- A crossed Demand Draft / MICR Cheque, drawn in favour of “The Institution of Engineers (India), Tiruchirappalli Local Centre”, payable at Tiruchirappalli.
- Depositing the amount in our SB A/c No. 10891417887 of The Institution of Engineers (India), Tiruchirappalli. The deposit slip will form the document for payment and will be exchanged with the receipt at the registration counter. **Our PAN No.:** AAATT3439Q & **TAN No. CALT00825G.**

Our Bankers: State Bank of India, Heavy Electricals, Kailasapuram, Tiruchirappalli – 620014, IFS Code: SBIN0001363, Branch code : Last six characters of IFS code represent branch code, MICR code : 620002004

Travel & Accommodation:

The delegates will have to make their own arrangements for travel, boarding & lodging.

NATIONAL ADVISORY COMMITTEE

Chairman Mr Narendra Singh, FIE, President, IEI
Co-Chairman Mr P Rajamani, FIE, Chairman, ELDB, IEI
Convener Dr. S. Moorthi, MIE, Associate Professor/EEE, NIT Tiruchirappalli

Members:
Mr R R Tanwar, FIE, Member, ELDB, IEI
Prof. Himansu Bikas Goswami, FIE, Member, ELDB, IEI
Mr. Mahendra Ratanlal Kothari, FIE, Member, ELDB, IEI
Mr. R K Sharma, FIE, Member, ELDB, IEI

Prof. (Dr) Sudhir Kumar Calla, FIE, Member, ELDB, IEI
Mr. Rup Lal Mahajan, FIE, Member, ELDB, IEI
Mr. M Marbaniang, FIE, Member, ELDB, IEI
Mr. K K Rout, FIE, Member, ELDB, IEI
Mr Pankaj Dadwal, FIE, Member, ELDB, IEI
Mr. N S Singh, FIE, Member, ELDB, IEI
Mr. N K P Sinha, FIE, Member, ELDB, IEI
Mr. N M Rao Nadella, FIE, Member, ELDB, IEI
Mr. K K G Nair, FIE, Member, ELDB, IEI
Mr. P R Natarajan, FIE, Member, ELDB, IEI
Mr B Venkataramana,, FIE, Member, ELDB, IEI
Mr T R Pachamuthu, FIE, Member, ELDB, IEI
Dr. S Dharmalingam, FIE, Former General Manager, BHEL, Tiruchirappalli
Mr. J Sankaran, FIE, Former Executive Director, BHEL, Vizag
Dr. Mini Shaji Thomas, Director, NIT, Tiruchirappalli
Mr. A Balasubramanian, FIE, Chief General Manager, TNPL, Kagithapuram, Karur.
Mr. A Anand, Hon. Secretary, Tiruchirappalli Local Centre, IEI

ORGANISING COMMITTEE

Chairman Dr. N Kumaresan, FIE, Chairman, Tiruchirappalli Local Centre, IEI
Organizing Secretary Dr. M P Selvan, MIE, Associate Professor/EEE, NIT Tiruchirappalli.
Members Er. E S Salai Kuberan, AGM, BHEL, Tiruchirappalli
Dr. Kevin Ark Kumar, Deputy Manager, BHEL, Tiruchirappalli

TECHNICAL COMMITTEE

Chairperson Dr. M Venkata Kirthiga, FIE, Associate Professor/EEE, NIT Tiruchirappalli
Members Dr. P Raja, MIE, Associate Professor/EEE, NIT Tiruchirappalli

CONTACTS

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ALL INDIA WORKSHOP

on

Smart Grid Technologies - Operation, Control and Recent Deployments

12th – 13th June, 2020, Tiruchirappalli

REGISTRATION FORM

1. Name (In block letters) :

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2. Designation:.....

3. Organization:.....

4. Address for Communication:

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5. Mobile:.....Land Line:.....

6. E-mail id :.....

Registration category(Tick the boxes as per your category). Delegate from

- Industries & Govt. organizations
 Academic institutes – faculty
 Students/ Research Scholars
 IEI Members Non IEI members

Payment Details:

DD/Cheque No

Dt..... for Rs.....

Deposit slip for online payment Dt.....

for Rs.....

Beneficiary name: The Institution of Engineers (I), Tiruchirappalli Local Centre.
Bank Account no.: 10891417887, IFSC NO: SBIN 0001363, State Bank of India, Heavy Electricals, Kailasapuram, Tiruchirappalli 620014.

Note: Please send this form along with DD/Cheque to “The Honorary Secretary, The Institution of Engineers (India), Tiruchirappalli Local Centre, BHEL Main Office Road, Tiruchirappalli – 620014” by post. In case of online payment, please send the scanned copy of this form along with deposit slip for online payment by email to ieitlc1973@gmail.com.