

## National Institute of Technology Tiruchirappalli

The National Institute of Technology (formerly known as Regional Engineering College) Tiruchirappalli (NITT) 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 manpower in technology for the country. NITT is one of the 31 National Institutes of Technology established by the Government of India and ranks First among all the NITs in NIRF during three consecutive years. The institution offers Undergraduate 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.

Website: <https://www.nitt.edu>

### IEEE Student Branch - NITT

The world's leading professional organization for the advancement of technology has a local address at NIT, Tiruchirappalli. Members rely on the IEEE as a source of technical and professional information, resources, and services. To foster an interest in the engineering profession, the IEEE SB NITT indulge in various technical and non-technical activities. Other important constituencies include prospective members and organizations that purchase IEEE products and participate in conferences or other IEEE programs. IEEE SB NITT and its technical chapters encompasses undergraduate, postgraduate and Ph.D. Scholars from various departments.

Website: <https://site.ieee.org/sb-nitt/>  
<https://www.nitt.edu/home/students/clubs/nassocs/academic/ieee/>

### Theme and sub-themes of the Workshop

#### Theme: "Electric Power Engineering"

The global demand for affordable and sustainable resources has created a large need for electrical engineers and researchers to provide reliable electricity and to build new smart solutions that enable more effective energy management. This programme is designed mainly for the freshers of NITT to interact with the Alumni in power engineering field and get to know a bit of technical stuff along with their experience in and out of NITT campus.

The expert talks in the workshop will cover the following sub-themes:

- ❖ FACTS Controllers
- ❖ Grid Integration of Renewable Energy
- ❖ Impact of EVs on Electric Grid
- ❖ Microgrids
- ❖ Protection Challenges and Remedies

#### Outcomes:

The participants will come to know about the recent challenges and possible solutions for the grid integration of renewable energy resources, electric vehicles and protection systems.

The inspiring interaction with the alumni achievers will be a good beginning for the freshers.

## Alumni Interactive Workshop on "Electric Power Engineering"

13<sup>th</sup> - 17<sup>th</sup> September 2021

Organized by

Department of  
Electrical & Electronics  
Engineering

in association with

IEEE Power & Energy Society  
Chapter  
&  
IEEE Student Branch



National Institute of Technology  
Tiruchirappalli

## Speakers' Information:



**Mr. A. Aravind Raj**

**M.Tech. (Power Systems) [2013-2015]**

*R&D Engineer*

*Hitachi ABB Power Grids, Chennai*



**Dr. K Vijaya Kumar**

**M.Tech. (Power Systems) [2007-2009]**

**Ph.D. [2009 – 2013]**

*Assistant Professor*

*IIITDM Kancheepuram*



**Dr. B. Dastagiri Reddy**

**Ph.D. [2012 – 2015]**

*Assistant Professor*

*NITK Surathkal*



**Dr. G. Suryanarayana**

**Ph.D. [2015 – 2019]**

*Assistant Professor*

*NIT Uttarkhand*



**Dr. M. Suman**

**Ph.D. [2014 – 2019]**

*Assistant Professor*

*MNNIT Allahabad*

## Registration Fee:

No Registration Fee.

Event is free for all;

However, registration is mandatory.

## Registration Link:

<https://forms.gle/augeS4ACWjtAhm3Q6>

Workshop schedule will be intimated to the registered participants

## Who can apply?

Students, Research Scholars, PDFs  
from NIT Tiruchirappalli

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## COORDINATORS

**Dr. M. Venkata Kirthiga,**

*Associate Professor/EEE &*

*IEEE SB Faculty Secretary*

**Dr. P. Raja,**

*Associate Professor/EEE &*

*Member, IEEE SB Faculty Committee*

**Dr. M. P. Selvan,**

*Associate Professor/EEE &*

*IEEE SB Counsellor*

**National Institute of Technology  
Tiruchirappalli.**

