

## About MNNIT

**Motilal Nehru National Institute Of Technology (MNNIT), Allahabad** (formerly Motilal Nehru Regional Engineering College MNREC, Allahabad). It is an institute with total commitment to quality and excellence in academic pursuits, and is among one of the leading institutes in India. It was established in the year 1961 as a joint enterprise of Central Govt. of India and State Govt. of Uttar Pradesh in accordance with the scheme of establishment of REC's. However with effect from June 26<sup>th</sup> of 2002 the institute became deemed university and an Institute of national importance, now known as Motilal Nehru National Institute of Technology Allahabad.

## About EED, MNNIT Allahabad

The Electrical Engineering Department (EED) came into existence in the year 1961, with the objective to produce technical man power of high quality and promote research and development activity. With a modest beginning of introducing four year BE degree course in 1961, a post graduate programme in Electrical Machine / Power System / Control System was introduced in the year 1970-71.

Currently, EED offers courses leading to a Bachelor of Technology in Electrical Engineering and Post Graduate (M. Tech.) and Ph.D programs in (i) Power Electronics and Drives (ii) Control & Instrumentation and (iii) Power System, under Regular, Part-Time and QIP categories. The department has qualified and experienced faculty in all the related fields of Electrical Engineering viz. Electrical Power System, Electrical Machines, Control & Instrumentation and Power Electronics. The vision of the Department is to produce globally competitive technical manpower with sound knowledge of theory and practice, with a commitment to serve the society and to foster cutting edge research in Electrical Engineering pertaining to the problems currently faced by the country and the world.

## APT-2018 Committee

### PATRON (S)

Prof. Rajeev Tripathi, Director, MNNIT Allahabad  
Prof. J. P. Pandey, Director, KNIT Sultanpur

### CHAIRMAN

Prof. Paulson Samuel, Head, EED, MNNIT Allahabad

### COORDINATOR(S)

#### MNNIT Allahabad

Prof. R. K. Tripathi  
Prof. R. K. Singh  
Prof. Asheesh K Singh  
Prof. Rajesh Gupta

#### KNIT Sultanpur

Prof. A. S. Pandey  
Prof. R. P. Payasi

### CONVENER(S)

#### MNNIT Allahabad

Dr. Nitin Singh  
Dr. Niraj Kumar Choudhary  
Dr. Navneet Kumar Singh  
Dr. M. V. Naik

#### KNIT Sultanpur

Dr. Yogesh K Chauhan

### ADVISORY COMMITTEE

Prof. M. M. Gore, Dean (P&D), MNNIT Allahabad  
Prof. Geetika, Dean (R&C), MNNIT Allahabad  
Dr. N. Kumar, Coordinator TEQIP, MNNIT Allahabad  
Prof. A. K. Singh, Coordinator TEQIP, KNIT Sultanpur  
Prof. K. S. Verma, Professor, EED, KNIT Sultanpur  
Prof. S. K. Sinha, Professor, EED, KNIT Sultanpur

## How to Apply

Application in the prescribed format along with the registration fee in the form of a Demand Draft favouring "APT-2018" payable at Allahabad or Online Transfer in the account number mentioned in the registration form. Please send a scanned copy of the Demand Draft to [apt.mnnit@gmail.com](mailto:apt.mnnit@gmail.com) on or before 08<sup>th</sup> September, 2018. In case of any difficulty contact the following persons.

### Dr. Nitin Singh

Department of Electrical Engineering, MNNIT Allahabad  
Phone: +91 9935161234 /9450612861 /9455691568  
E-mail: [apt.mnnit@gmail.com](mailto:apt.mnnit@gmail.com)

## 2<sup>nd</sup> Short Term Course

On

## Advances in Power Technologies (APT-2018)

10<sup>th</sup> - 14<sup>th</sup> September, 2018

Sponsored by  
**TEQIP-III**



## Jointly Organized By

**Department of Electrical Engineering  
Motilal Nehru National Institute of  
Technology Allahabad, Allahabad, U. P.-  
211004, India**

&

**Department of Electrical Engineering  
Kamla Nehru Institute of Technology  
Sultanpur, U. P.-228118, India**

## About KNIT Sultanpur

KNIT was initially established as the Faculty of Technology in the year 1976 by Kamla Nehru Memorial Trust. Later, in the year 1983 it was registered as a separate society and renamed as the Kamla Nehru Institute of Technology. The Institute is one of the leading technical Institutions of the region and is responsible for producing top-grade engineers with skill sets comparable with the best in the world. Being fully aware of its social responsibilities and the addressing the issue of application of technology to industry, it also renders the testing and consultancy services to the neighboring industries and various other agencies. The Institute is presently academic autonomous institute, affiliated to Dr. A.P.J. Abdul Kalam Technical University, formerly Uttar Pradesh Technical University, Lucknow.

## About EED, KNIT Sultanpur

The Electrical Engineering Department is also one of the oldest departments of the Institute. The department has a well-qualified faculty and technical supporting staff. All the laboratories of the department are well equipped with modern equipments. The department offers U.G. as well as P.G. (Full-Time) in Power Electronics and Drive and P.G. (Part-Time) course in Power System. The department has acquired state of the art equipments through World Bank assisted TEQIP programme. The department has developed state of art laboratories in Renewable Energy and Power Electronics.

## About APT-2018

Depleting fossil fuels and increasing concern for the global warming has led to explore the alternative and renewable sources of energies such as solar PV, Wind Power Generation, Fuel Cell, etc. Smart grid technology is a challenge for India, where a huge gap between demand and supply of electricity exists. Emphasis on the development of smart cities has also posed many challenges such as need of green and clean energy, smart transportation systems etc. This has led to the increasing penetration of Distributed Generation in the form of microgrid. The one week short term course on Advances in Power Technologies (APT-2018) is aimed to make the people aware about the integrated power development schemes and changing scenario in power sector.

## Course Content

- Power Electronic Converters for Renewable Energy System
- Renewable grid integration challenges
- Control and Protection Aspects in Smart Grid System
- DC Microgrid operation & Control
- Smart Metering System
- Demand side management
- Smart grid communication
- Forecasting in renewable energy systems

## About Organizing place Allahabad

Allahabad, one of the proposed Smart cities, is well known throughout the country for its purity and cleanliness that the city has maintained for many years. It's a holy and religious place and the meeting point of three most pious rivers namely Ganga, Yamuna and Saraswati. The city has always been associated with well-known personalities who glorified the city. The city better known as "PRAYAG" has many governmental institutions such as MNNIT, High Court of UP, Allahabad University & tourist places like Holy Sangam, Anand Bhawan, Narayani Ashram etc.

## Who Can Attend?

The course will be useful for the faculty members / Doctoral & PG students of different Universities/ Institutes/ colleges & Professionals working in the Industries. Limited number of U.G. students may also be selected based on the availability of seats. Selected candidates will be informed through email.

## Registration Fees

Category	Registration Fees
Students	1000
Academia	3000
Industry	5000

**\*Out station participant need to pay for boarding and lodging.**

## Registration form

2<sup>nd</sup> One Week Short Term Course  
on

**Advances in Power Technologies (APT-2018)**  
10<sup>th</sup> – 14<sup>th</sup> September, 2018  
**Sponsored by TEQIP-III**  
**Jointly Organized by**

Department of Electrical Engineering, MNNIT Allahabad,  
&  
Department of Electrical Engineering, KNIT Sultanpur

Full Name:-----  
(in BLOCK letters, as desired on certificate)

Designation: -----

Affiliation: -----

Highest qualification: -----

Experience (if any): Teaching: ----- Industry: -----

Address for correspondence: -----  
-----  
-----

Mobile: -----

Email ID: -----

Registration Fee: *Demand Draft in favour of APT-2018 payable at Allahabad*

Bank: ----- Amount: -----

DD No.:----- Date: -----

Registration Fee: Online

Account Name: **APT-2018** Account: **718400301000325**

Bank: **Vijaya Bank** IFSC: **VJJB0007184**

Account Type: **Current**

Accommodation required: YES/NO

Signature of the Applicant  
-----