

Scope of Course

The Smart Grid is an electricity supply network that uses digital communications technology to detect and react to local changes in usage. Such grid provides an unprecedented opportunity to move the energy industry into a new era of reliability, availability, and efficiency that contributes to our economic and environmental health. Smart Grid includes a variety of operational and energy measures including smart meters, smart appliances, renewable energy resources, and energy efficient resources, Electronic power conditioning and control of the production and distribution of electricity are important aspects of the smart grid.

The benefits associated with the Smart Grid include: More efficient transmission of electricity, Quicker restoration of electricity after power disturbances, Reduced operations and management costs for utilities, and ultimately lower power costs for consumers, Reduced peak demand, which will also help lower electricity rates, Increased integration of large-scale renewable energy systems, Better integration of customer-owner power generation systems, including renewable energy systems, Improved security and many more. In view of the importance and reach of the topic, following are the identified areas of emphasis:

- Smart meters, and Smart Appliances
- Integration of Renewables with Smart Grid
- Energy Efficiency and conservation with Smart Grid
- Economic issues with Smart Grid
- Phasor Measurement Units in Indian Power System.
- Communication Requirements of Smart Grid
- Optimization Techniques
- Optimization tools in Smart Grid
- Forecasting in Smart Grid
- Control Techniques Applied to Smart Grid
- Neural Network and Fuzzy Logic Application to Smart Grid
- Evolutionary Techniques Applied to Smart Grid
- Control Strategies to Non-linear Systems
- Artificial Intelligence Application to Smart Grid

Registration Process

Faculty, research scholars and participants from Industry are invited to send duly filled form at, stcetsgot2018eemmmut@gmail.com. One can also register online by clicking at the link below: Please pay the registration fee before going to online registration page to fill up the required entries.

Registration link: <https://goo.gl/forms/8NoFwu6nhQnRMs7f2>

Important Dates

Registration open : **July 31, 2018**
 Registration Close : **Aug. 31, 2018**
 Event dates : **Sept 11-16, 2018**

Registration fee

The enclosed registration form or its photocopy may be filled and sent with registration fee as per following details.

Type of Registration	Registration Amount (Rs.)	
	IEEE Member	Non-IEEE Member
Faculty Members	1500	1800
Research Scholars	1000	1200
Industrial Participants	2500	3000
Spot Registration	20% Extra charge in respective above listed Categories	

Mode of Payment

The payment for the registration fees can be made in the form of demand draft drawn in favour of "MMM University of Technology" payable at Gorakhpur or via Net Banking through detail given below:

A/C No. : 33542824744
 Bank Name : State Bank of India
 Branch Name : MMMEC Gorakhpur
 IFSC code : SBIN0002578
 Branch Code : 2578

Accommodation

Limited accommodation may be arranged for delegates in the University guest house. Suitable accommodation can also be arranged in/outside campus guest houses and hotels on request of participants after advance payment.

Registration Form

Short Term Course on Emerging Trends in Smart Grid & Optimization Techniques (ETSGOT-2018)

Sept 11-16, 2018

1. Name
(In Block Letters)
2. Designation
3. Field of Specialization
4. Name of Organization
5. Mailing Address
.....
E-mail
Mobile No.
6. If you are IEEE-Member? [Yes/No]
If Yes, give Membership Number:
7. **Details of Payments:**
 - a. **For payment through Net Banking:**
Ledger No./UTR No./Reference Number:.....
Amount.....Dated.....
 - b. **For payment through Demand Draft:**
DD No..... Amount Dated.....

Date:

Place:.....

Signature