About the University

Madan Mohan Malaviya University of Technology, Gorakhpur has been established in the year 2013 by the Government of Uttar Pradesh in the form of a non-affiliating, teaching and research University after reconstituting the Madan Mohan Malaviya Engineering College, Gorakhpur which was established in 1962. The University offers six undergraduate programs in the disciplines of Civil, Chemical, Electrical, Mechanical, Electronics & Communication Engg and Computer Science &Engg. along with twelve M.Tech.programsin various specializations and also provide facilities for the Doctoral programs in all the academic departments. It is also a QIP center for the Ph.D. program in Electrical, Mechanical and Electronics & Communication Engg. departments.

Department of Electrical Engineering

The Department of Electrical Engg. offers UG and two PG (specializations in i.Power Electronics & Drives ii.Control and Instrumentation) and Ph.D. programs. The department has qualified and dedicated faculty members along with the state-of-the-art lab facilities.

Location

The Gorakhpur is well connected by road and rail to all major cities Lucknow (270Km), Varanasi (197Km) and Patna (220Km). Direct flights are also available from New Delhi to Gorakhpur. The MMM University of Technology is situated on Deoria road about 9 Km from Gorakhpur Jn and 5 Km from the Gorakhpur airport.

Correspondence Address

Dr. Prabhakar Tiwari **Dr. Shekhar Yadav**
Dr. Rakesh Maurya **Dr. Sabha Raj Arya**

SESOC-2019
Department of Electrical Engineering
M.M.M. University of Technology,
(Formerly M.M.M. Engg. College),
Gorakhpur-273010 (U.P.)
Phone 8765783850/8849823704/
8765783665/8511034177
Email:profptiwari@mmmut.ac.in
rmaurya@eed.svnit.ac.in
syee@mmmut.ac.in/sra@eed.svnit.ac.in

Organizing Committee

Patrons

Prof. S.N. Singh, Hon'ble Vice Chancellor, MMMUT Gorakhpur
Prof. S. R. Gandhi, Hon'ble Director, SVNIT, Surat

Chairmans

Prof. A. K. Pandey, Professor. & Head EE Department, MMMUT, Gorakhpur
Prof. S. N. Sharma, Professor & Head EE Department, SVNIT, Surat

Organizing Chair &Conveners

Dr. PrabhakarTiwari, MMMUT, Gorakhpur
Dr. Rakesh Maurya, SVNIT, Surat

Organizing Co-Chair &Coordinators

Dr. Shekhar Yadav, MMMUT, Gorakhpur
Dr. Sabha Raj Arya, SVNIT, Surat
Dr. Navdeep Singh, MMMUT, Gorakhpur

Members

Prof. K. G. Upadhyay,MMMUT, Gorakhpur
Prof. V. K. Giri, MMMUT, Gorakhpur
Prof. A. N. Tiwari, MMMUT, Gorakhpur
Prof. S. K. Srivastava, MMMUT, Gorakhpur
Sri K. P. Singh, MMMUT, Gorakhpur
Dr. L. B. Prasad, MMMUT, Gorakhpur
Dr. Awadhesh Kumar, MMMUT, Gorakhpur
Sri K. B. Sahay, MMMUT, Gorakhpur
Dr.Hiren G. Patel, SVNIT, Surat
Dr.Khyati D. Mistry, SVNIT, Surat
Mrs. Chandani P. Gor, SVNIT, Surat
Dr. Sanjay Tolani, SVNIT, Surat
Dr.Kunnisetti V. Praveen Kumar, SVNIT, Surat

Short Term Course
on
Smart Energy Systems: Operation and Control

(SESOC-2019)

Dec 17-22, 2019

Sponsored by TEQIP-III, & Technically Co-sponsored by

IEEE

IEEE Student Branch MMMUT, Gorakhpur

Jointly Organised by

Department of Electrical Engineering
M.M.M. University of Technology,
Gorakhpur-273010 (U.P.)
&
Department of Electrical Engineering
S.V. National Institute of Technology,
Surat- 395007 (Gujarat)

Scope of Course

The Smart Gridis 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 imphasis:

- 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 for Smart Grid
- Forecasting in Smart Grid
- Control Techniques Applied to Smart Grid
- Intelligent System Applications to Smart Grid
- Control Strategies to Non-linear Systems
- Artificial Intelligence Application to Smart Grid
- Application of Power Electronics
- Storage Systems
- Cyber Security in Power System
- E-mobility
- Data Analytics
- Issues in Distribution Network
- Regulatory Issues

Registration Process

Faculty, research scholars and participants from Industry are invited to send duly filled form at, stcsesoc2019eemmmut@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://forms.gle/xwKwssvyCUrnyuYN8***

Important Dates

Registration open	**: Oct20, 2019**
Registration Close	**: Dec 10, 2019**
Event dates	**: Dec17-22, 2019**

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	1200	1500
Research Scholars	800	1000
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 ñMMM University of Technologyò 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
Smart Energy Systems: Operation and Control (SESOC-2019)

Dec17-22, 2019

1. Name é é é é é é é é é é é é é é é é é é .
   (In Block Letters)
2. Designation é é é é é é é é é é é é é é
3. Field of Specialization é é é é é é é é é é
4. Name of Organization é é é é é é é é é é ..
5. Mailing Address é é é é é é é é é é é é .
   é
   é
   E-mail é é é é é é é é é é é é é é é é é
   Mobile No. é é é é é é é é é ..
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:é é .
      Amounté é é é é é Datedé é é é é é é
   b. **For payment through Demand Draft:**
      DD No.é é é é . Amount é é é é Datedé é .

Date: é é é é é é é ..

Place:é é é é é é é .

`Signature