

RESOURCE PERSONS

Eminent Professors from National/International organizations / universities and experts from related industries will be the resource persons for the STTP.

Prof. (Dr.) R.C. Bansal

Department of Electrical Engineering
University of Sharjah, UAE

Prof. (Dr.) R.K. Saket

Department of Electrical Engineering
IIT BHU, India

Prof. (Dr) Narottam Das

School of Engineering and Technology
Centre for Intelligent Systems, CQ University, Australia

Prof. (Dr.) P. Sanjeevikumar

Department of Energy Technology
Aalborg University, Esbjerg, Denmark

Mr. Kulwant

Assistant Manager-Training
Siemens TSP North, Chandigarh

Mr. Mandeep Singh

Automation Project Engineer
Siemens TSP North, Chandigarh

REGISTRATION GUIDELINES

➤ Registration process:

Step1: Open Google Registration Form by click/type-
<https://forms.gle/oPeLC4QgbXbG7GsAA>

or Scan QR code



SCAN ME

Step2: Fill your Complete Detail

Step3: Submit Form

➤ **No Registration Fee**

- Faculty who want to attend should submit the online registration form on or before **06.12.2020**.
- Selected candidates will be intimated through E-mail.
- Limited seats are available in this program; so the selection will be on First Come First Serve basis.
- Certificate will be provided to all the participants who will attend all the sessions and have scored minimum 60% in the test as directed by the AICTE.

Note: The breakfast and working lunch will be provided to all the participants. The participants will be paid TA to attend the STTP as per AICTE norms. However, suitable accommodation will be made available, if requested in advance.

IMPORTANT DATES:

- Last Date of Registration: **06.12.2020**
- Intimation of Selected Participants: **12.12.2020**
- Program Timings: **10:00 AM to 5:00 PM**

WHO CAN ATTEND STTP?

Registration is open to Faculty members / Academicians, Research Scholars, Industry Professionals/Delegates.

CONTACT PERSONS:

Mr. Avinash Kumar
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MIET

AICTE Sponsored One Week (6 Days) Short Term Training Program (STTP)

On

INDUSTRIAL AUTOMATION AND DRIVE

14th December -19th December, 2020

Coordinator:

Dr. A.K. Bhardwaj
(Professor and HOD, EE)



**Organized by
Department of Electrical Engineering**

**Meerut Institute of Engineering and Technology, Meerut
NH-58, Bypass Road, Baghpat Crossing, Meerut-250005
Uttar Pradesh (India)
Website : www.miet.ac.in**

ABOUT THE INSTITUTE

Meerut Institute of Engineering & Technology (MIET) has officially been ranked as the 4th best Engineering College in Uttar Pradesh by AKTU. MIET stands tallest among all other self-financed engineering institutions in northern India. It not only holds the prestigious position of being one of the best & oldest (Established in 1997) Institutions that caters to education in the field of Engineering and Technology but also ensures that each student emerges out competent enough to hold a dynamic image of his own after the completion of his or her stint at MIET.

ABOUT THE DEPARTMENT

Electrical Engineering Department is established in year 2013. The department offers UG course with the intake of 60 seats. The Department is keen to develop environment of study in Power Quality, Renewable Energy Sources, Smart Grids, Power System Operation and Control, Power System Dynamics and Stability, Flexible A. C. Transmission Systems (FACTS), Electrical Drives and Hybrid Electric Vehicles. To cater the needs of experimentation the department has well-equipped laboratories in Electrical Machines, Control Systems, Power System, Power Electronics, Microprocessors and Industrial automation etc. It is a pioneer department for providing Industrial Automation Training in PLC (Programmable Logic Controller), SCADA (Supervisory Control and Data Acquisition), and Motor's, Drives. The department also owes to take-up the challenges of providing efficient Electrical Systems and Energy Sources. The department has highly qualified faculty members engaged in teaching and research with the aim of achieving excellence in the field of Electrical Engineering.

Vision of Department

To become a well-recognized department in country for electrical engineering where technical knowledge, skills & values are integrated for the development of society & industry.

Mission of Department

1. To provide academic excellence in technical education & ethical values through novel teaching methods.
2. To develop an environment which enrich the innovative ideas of students as well as faculty members.
3. To impart skill based trainings that fulfills the gap between industry and academia.

Program Educational Objectives (PEOs)

After graduation from the MIET in Electrical Engineering program, graduates will:

1. Pursue their carrier in the field of electrical engineering and allied industries.
2. Pursue higher education in electrical engineering and other professional courses.

3. Demonstrate the leadership skills and communicate effectively.
4. Apply their concept in solving engineering problems within realistic constraints such as social, environmental, economical, ethical, health & safety.
5. Pursue their career as entrepreneur in related or any other field.

ABOUT THE SHORT TERM TRAINING PROGRAM

The STTP is AICTE sponsored One week (6 days) online short-term training program organized on Industrial Automation and Drive. The objective of this STTP is to upgrade technical skills of the participants and to nurture advance concepts in Industrial Automation and drives. This training program will also make participants capable of developing solutions for the engineering problems in the industry and society.

Industrial Automation and electric drives technology have made significant developments after several decades of the dynamic evolution of power semiconductor devices, converters, pulse width modulation (PWM) techniques, advanced control and simulation techniques. Recently its applications have been fast expanding in industrial, commercial, residential, transportation, utility, aerospace, renewable energy systems, electric/hybrid vehicles and military environments, primarily due to reductions in cost and size and improvements in performance. PLC, SCADA and Drives are used in the fully automated industries, plants or process. PLC plays a very important role in automation section. It is a heart of control systems and constantly monitors the state of the systems through input devices and generates the control actions according to the logic given in the user program. This course will offer a unique opportunity to the all colonize in the relevant topic of industrial automation and drives to come closer through theoretical sessions and laboratory-based experiments /demonstration.

CONTENTS OF THE PROGRAM

- Overview of conventional power system and automation and control of Diesel Generator system.
- Automation and control of PV system using Power Electronics Applications
- Automation & control of wind power system & drives, Automation & control of Microgrid, Smart Grid Systems
- Role of power electronics in Electric Vehicle (EVs)
- Modern Reliability aspects for Performance Enhancement of Industrial Automation and Drive System
- Hands-on Training on Industrial Automation with Siemens PLC (S7-1200)
- Hands-on Training on Industrial Automation with Siemens HMI & SCADA
- Hands-on Training on Industrial Automation with Siemens AC & DC Drives (G120P, 6RA80)

CHIEF-PATRONS

Er. Vishnu Saran
Chairman
MIET, Meerut

PATRONS

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Vice Chairman
MIET, Meerut

Prof. (Dr.) Mayank Garg
Executive Director
MIET, Meerut

Prof. (Dr.) D.K. Sharma
Dean Academics
MIET Meerut

COORDINATOR

Prof. (Dr.) A. K. Bhardwaj
HOD (EE)
MIET, Meerut

ORGANIZING COMMITTEE

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