

Registration Form

**Five Days STTP
On
POWER ELECTRONICS APPLICATIONS IN
POWER QUALITY, DRIVES AND
RENEWABLE ENERGY SYSTEMS (PEARS)
(1st March – 5th March 2021)**

Name:-----

Designation:-----

Affiliation:-----

Qualification:-----

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Mailing Address:-----

Contact No.-----

E-mail:-----

Accommodation Required: Yes No

Details of Payment:

Bank Name----- DD No.-----

Amount:----- Date -----

Signature of Applicant

Date:

**Signature of Sponsoring
Authority with Seal**

CHIEF PATRON

**Dr. N. S. Raghuwanshi
Director
MANIT, Bhopal**

PATRON

**Dr. Tripta Thakur
Head
Department of Electrical Engineering
MANIT, Bhopal**

Course Coordinators

Dr. Giribabu Dyanamina
Assistant Professor
Dr. Mukesh Kirar
Assistant Professor
Dr. More Raju
Assistant Professor

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TEQIP III

Sponsored

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on
POWER ELECTRONICS APPLICATIONS IN
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Organized By

Department of Electrical Engineering
Maulana Azad National Institute of Technology
Bhopal- 462003

Objective

The main motto of the STTP “**Power Electronics Applications in Power Quality, Drives and Renewable Energy Systems (PEARS)**” is to provide the platform for the upcoming researchers in areas of

- **Power Quality issues**
- **Electric Drive control systems**
- **Renewable energy sources**

The importance of power electronics has grown over the years due to several factors. Power electronics is interdisciplinary in nature and is used in a wide variety of area of Electric Drives, Power Quality in Power Systems and Renewable Energy systems etc. This STTP is designed to address applications of power electronics in the industry and to encourage various zonal professionals/research scholars/academicians towards research and for their academic quality Improvement too. This course will offer a unique opportunity to the all colonize in the relevant topics in Power Electronics applications to come closer through theoretical sessions and laboratory-based experiments/demonstrations.

Course Highlights

- Power Quality issues and Active/ Passive Filters.
- Multilevel converters/inverters
- Sensor-less Motor Drive Systems.
- Hybrid RES.
- Wind Energy based RES
- Optimal Sizing of RES
- Real Time Simulator Application

Who May Be Benefitted

Technical faculty, Industry professionals, Research Scholars and Post graduate students, Under graduate students from academic institutes would be benefitted from the course. The Faculty members and research scholars working in the broad area of Electrical and Electronic systems may register to attend this STTP by sending their Application duly recommended by respective Head of Department or Head of Institution.

Resource Persons

STTP includes faculty from Department of Electrical Engineering, MANIT, Bhopal and Professors from other IITs and NITs.

Registration Fee

The registration fee for the participants

Participants	Fee
Students	500/-
Faculties	1000/-
Industries	3000/-

- Registration forms will available on Institute website www.manit.ac.in.
- STTP is conducted in virtual mode.

About The Institute

MANIT (formerly MACT), is one of the eight premier Regional Engineering Colleges of the country founded by government of India in 1960s, and subsequently upgraded to National Institute of Technology (NIT) in 2002. It is one of the premier Institutes of technical education in Central India, successfully imparting quality education to graduate and postgraduate students in engineering since its inception. The Institute has well equipped labs and other infrastructural facilities. Bhopal is the capital of Madhya Pradesh and it is also known as city of lakes. It is well connected from different parts of the country by rail route and air. The institute is 9 kms away from Bhopal main railway station and 6 kms from Habibganj railway station. Bhopal airport is 18 kms away from the Institute.

Department of Electrical Engineering is one of the oldest departments of MANIT and offers one B. Tech. course, two M. Tech. courses (Electric Drives and Power System) and Ph. D. program. It has well qualified and experienced faculty. The young and motivated faculty with comprehensive research background coupled with the state of art machine lab and other new laboratories are the strengths of the department.