AICTE – MARGDHARSHAN SCHEME

AICTE - All India Council for Technical Education was established in 1945 by Government of India. The organization was set up as an Apex Advisory Body to conduct survey on facilities on technical education and to promote and develop technical education in the country. National policy of Education (1986) defines AICTE as the statutory authority for planning, formulation and maintenance of norms and standards, quality assurance through accreditation, funding in priority areas, monitoring and evaluation, maintaining parity of certification and awards, and ensuring coordinated and integrated development and management of technical education in the country.

Margdarshan Scheme mainly aims at Mentoring to institutes by a well performing Institute. The Hub 'n Spoke system is to be established by an Institute of repute as a Mentor within an existing facility to serve as the hub to guide and disperse knowledge to ten technical institutions to encourage best practices. The secondary branches, the spokes, are additional services provided to faculty for self-improvement. Eventually, the Hub 'n Spoke system will allow for inter-hamlet information sharing, such as technical education, research and sharing of resources to the entire system. Through this scheme an Institute of repute as a Mentor within an existing facility to serve as the hub to guide and disperse knowledge to and between around ten technical institutions as spokes. The duration of the project is for 3 years. The National Institute of Technology Tiruchirappalli is one such Mentor Institute of repute.
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING - NITT**

The Department of Electrical and Electronics Engineering, NIT, Tiruchirappalli was started in the year 1964. It offers one Under-Graduate programme (B.Tech.), two Post-Graduate programmes (M.Tech. in Power Systems and Power Electronics) and also research programmes (M.S. and Ph.D.) in the various fields of Electrical and Electronics Engineering. After the institute became NIT, the department has grown not only in terms of student and faculty strength, but also in improving the laboratory facilities for the teaching and research purposes. Thus, the department has dedicated and state of the art teaching / research laboratories. The department is recognized for excellence in research (First Department in NIT-T to be accorded QIP status for Ph.D. programme), teaching and service to the profession. The faculty members have strong sense of responsibility to provide the finest possible education for both graduate and undergraduate students. The academic strength of the faculty is reflected by the alumni, many of whom are in the top echelons of industry and academia both in India and abroad.

**SCOPE OF THE FDP**

This course mainly focuses on background and fundamental building blocks of smart grid with stringent emphasis on practical applications in the existing power system network. This course provides overview of smart grid and its potential in different types of power sectors such as power generation, transmission and distribution in Metro, Urban/Semi urban and remote locations of India. The digital technology that allows for two-way communication between the utility and its customers, and the sensing along the transmission lines is what makes the grid smart.

**OBJECTIVE OF THE FDP**

The objective of the FDP is to equip the participants with a technical knowhow on the various technologies pertaining to the revival of conventional power grid into smart power grid. Smart grid technology is a collection of existing and emerging technologies working together to achieve energy efficiency, automation and financial benefits in the production, transport and consumption of electrical energy. Smart grid technologies involve integration of renewable energy sources into the conventional power grid both at the transmission and distribution level, smart metering, distribution automation, SCADA, demand side management, Applications of AI, IoT and Blockchain for energy management & energy trading and adopting information & communication technology for consumer participation in the grid operation.

**REGISTRATION FEES**

Registration fee for participants from other institutes is Rs. 800/- (including 18%GST)

**MODE OF PAYMENT (for participants from other than mentee institutions)**

The participants are requested to transfer the registration fee through i-collect

1. Go to the SBI-collect using the link [https://www.onlinesbi.com/sbicollect/collecthome.htm](https://www.onlinesbi.com/sbicollect/collecthome.htm)
2. Select the state as ‘Tamil Nadu’, and Type of Institution as ‘Educational Institutions’.
3. Select Educational Institutions Name as ‘Conference and Workshop NIT Trichy’. Select payment category as “AICTE-FDP-TSEPG-2021”.
4. Make payment through UPI/ Net Banking/ Credit card/ NEFT.
5. Once the fee is paid, fill up your details and upload the payment receipt in the workshop registration form

**CO-ORDINATORS**

Dr. S. Mageshwari, Assistant Professor/EEE
Dr. M. P. Selvan, Associate Professor/EEE
For any Queries: 9629930432

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**National Level Five Day Faculty Development Programme on “Technologies for Smart Electrical Power Grid”**

**24th – 28th May, 2021**

**REGISTRATION FORM**

1. Name (In block letters) :
   
   ……………………………………………………………………………………………..

2. Designation: ………………………………………………………………………..

3. Organization: ………………………………………………………………………..

4. Address for Communication
   
   ……………………………………………………………………………………………..

5. Mobile: ……………………Land Line: ……………………

6. E-mail id : ………………………………………………………………………..

Registration category (Tick the boxes as per your category).

- □ Mentee Institution
- □ Other than Mentee Institution

**Enclose Payment Details:**

- □ Deposit slip for online payment

Dt……………………

for Rs……………………………………………………………………..

**COMMUNICATION**

The completed applications are to be sent to the following email id on or before 21.05.2021 [tsepg21eee@gmail.com](mailto:tsepg21eee@gmail.com)

Alternatively, applicant may also use the google form for registration

[https://docs.google.com/forms/d/1C_tuclRXExSpittg481wgmelVha9IU4DG2IQd7B-3FM/edit?usp=sharing](https://docs.google.com/forms/d/1C_tuclRXExSpittg481wgmelVha9IU4DG2IQd7B-3FM/edit?usp=sharing)