About NIT Trichy

The National Institute of Technology Tiruchirappalli (NIT-T), formerly known as Regional Engineering College, Tiruchirappalli (REC-T) is one of the technical institutes started by the Government of India. REC-T was imparting quality education since its inception. In 2003, the institute has been granted "Deemed to be University" status with the approval of UGC/ AICTE. The college has been conferred with autonomy in financial and administrative matters to achieve rapid development. NIT-T was registered under Societies Registration Act XXVII of 1975. The College has a total campus area of 800 acres. With the cream of engineering and management talent, encompassing exuberant students and inspiring faculty, integrated with state-of-the-art infrastructure facilities, NIT-T today has emerged as one of the premier institutions in the country (8th rank in nirf for the year 2022).

About EEE department

The department of Electrical and Electronics Engineering, National Institute of Technology Tiruchirappalli offers an undergraduate program, post-graduate programs (Power Systems and Power Electronics) and research degrees (M.S and Ph.D.) in various fields of Electrical Engineering. The department is recognized for excellence in teaching, research, and service to the profession.

The department has very well-established laboratories with sophisticated equipment supplementing the academic and research needs of students and research scholars. The department has been ranked in the top 500 in the world by QS world ranking system 2023.

Coordinators

Dr. K.Sateesh Kumar
Assistant Professor
Dept. of EEE, NIT Tiruchirappalli

Dr. S.Senthil Kumar
Associate Professor
Dept. of EEE, NIT Tiruchirappalli

Dr. G.Saravana Ilango
Professor
Dept. of EEE, NIT Tiruchirappalli

Whom to contact

Email: evfdp.eeenitt@gmail.com

Mobile: **(Between 9:00AM to 5:30 PM)**

Mrs. Soniya: 8792817419

Mr. Veeramani: 9626587910

Dr. K.Sateesh: 9441274524

One Week Faculty Development Program on

Trends and Challenges in EV Drive Train Design and Control

19th - 23rd June, 2023

(Offline Mode)

Under the aegis of

AICTE – Margadarshan

Organized by

Department of Electrical and Electronics Engineering
National Institute of Technology, Tiruchirappalli

Who can apply

Faculty members of Engineering colleges, Research scholars, Practicing engineers from Industry, PG/UG students.

Course Contents

- Introduction to EV system architectures
- Trends and Challenges of EV industry in India
- EV Charging architectures
- Special electrical motors for EV
- Traction inverter configurations
- Wide-band gap devices for EV applications
- Simulation of PWM schemes for traction inverter
- Control techniques for traction motor
- Hands-on session on embedded control of BLDC motor for EV
- Demonstration of EV and battery test equipment

Important Dates and Instructions

Start date of registration	**05.05.2023**
Last date of payment	**04.06.2023**

- Only limited participants are allowed for FDP on a first come basis.
- Participants who wish to enroll for the FDP should register through online google form (https://forms.gle/ZiE7fQd6ykfDiZtR9) by paying the registration fee as per the category.

Registration Fee

Category	Amount (INR)
UG/PG students	Rs. 600/-
Research scholars	Rs. 1000/-
Faculty	Rs. 1500/-
R&D/Industry personnel	Rs. 5000/-
Mentee Institutes under Margadarshan	Nil

***Registration fee is to be paid by using SBI-collect only.** The payment for the registration includes course registration and working lunch. Limited accommodation will be provided on a payment basis.

Payment procedure

1. Go to the SBI-collect using the link: (https://www.onlinesbi.sbi/sbicollect/icollecthome.htm)
2. Search for 'Conference and workshop NIT Trichy' > select payment category 'EEE KS EV FDP-2023' > fill the details > proceed for payment. Note: enter the amount as per the category in other columns keep 'Zero'.

Participation certificates will be provided upon the successful completion of FDP.

Resource persons

Faculty from IISC, IITs, NITs and experts from Industry in the specific domain will be handling the sessions.

Timings

Classes will be held from 9:30 a.m. to 5:00 p.m. on all five days, with breaks as needed.

Supporting sponsors and Product demonstration

Elmack Engg Services
Partnering Your Succes

KEYSIGHT TECHNOLOGIES

HIOKI

OPAL-RT TECHNOLOGIES

ENTUPLE TECHNOLOGIES