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.

Coordinators

Dr. Josephine. R. L, EEE, NITT

Dr. S. Mageshwari, EEE, NITT

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.

Resource persons

Faculty from National Institute of Technology Tiruchirappalli and simulation experts in the domain will be handling the sessions.
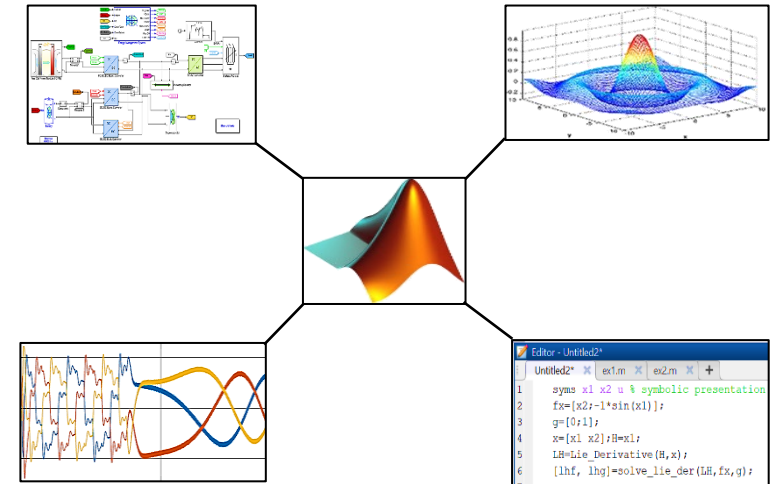
Contact information

For any further queries and clarifications, mail to nitteee.workshop@gmail.com.

Five Day Short-Term Course on

Modelling and Simulation Tools in Power Electronics

4th - 8th January 2023
(Offline Mode)

Organized by
Department of Electrical and Electronics Engineering

National Institute of Technology Tiruchirappalli

Pre-requisites

The participants should have installed MATLAB 2016a/ higher versions with Simulink and Simscape tools in their PC/laptops.

Course Contents

➢ Introduction to MATLAB/ SIMULINK

➢ Variables and functions in MATLAB

➢ Matrices in MATLAB: Arrays, vectors, special matrices, etc.

➢ Modeling with governing equations

➢ 2D and 3D graphs, plots and sub-plots

➢ Data import / export and analysis

➢ Simulations of

- Power electronic converters

- Power system networks

- Electrical machines

- Control systems

➢ Case studies

Important Dates and Instructions

➢ Only 30 participants are allowed for short-term course on first come first serve basis.

➢ Participants who enroll for the short-term course should register through online google form given below.

➢ https://forms.gle/4Gq4n64XmEwBKNeX8

➢ Acceptance for the shortlisted participants will be intimated by 10.12.2022. Only the shortlisted participants can pay the registration fee.

➢ **Registration fee to be paid by using SBI-collect only.** The payment for the registration includes GST and other taxes.

➢ To encourage the participants of girl students 50% of the seats will be prioritized.

➢ Participants shall make their own arrangements for boarding and lodging.

Start date of registration	**15.11.2022**
Last date of registration	**01.12.2022**
Intimation of acceptance	**10.12.2022**
Last date for payment of registration fee	**15.12.2022**

Payment procedure

1. Go to the SBI-collect using the link https://www.onlinesbi.com/sbicollect/icollecthome.htm
2. Select the state as '**Tamil Nadu',** and category as '**Educational Institutions'**.
3. Select "**conference and workshop NIT Trichy**".
4. Select payment category as "**EEEJRL-MSTPE- 2022**".
5. Make payment through **UPI/ Net Banking/ Credit card/ NEFT**.
6. Once the fees is paid, fill up your details and upload the payment receipt in – https://forms.gle/9tjH6vcLZA2Z7ogDA

Upon successful completion of short-term course, the certificate will be given to the participants.

Registration Fee

Category	Amount to be paid (INR)
UG/PG students	Rs. 1000/-
Research scholars	Rs. 1500/-
Faculty	Rs. 2000/-
R&D/Industry personnel	Rs. 5000/-