



TWO-DAY FACULTY DEVELOPMENT PROGRAMME (FDP)

ON

Control and Applications of Resonant Inverters

(14th & 15th February, 2020)

Organized by

Department of Electrical Engineering, NIT Warangal



(Sponsored by Science and Engineering Research Board,
Department of Science and Technology, Government of India)

Preamble:

This faculty development programme (FDP) is devoted to fundamental theory, recent developments, applications and research outcomes addressing the related theoretical and practical aspects on "Control and Applications of Resonant Inverters".

Major Course Contents:

- Soft-switching techniques for high frequency inverters
- Small signal modeling of resonant inverters
- Control techniques for resonant inverters
- DC-AC high frequency inverters
- AC-AC high frequency inverters
- Inverter configurations for multiple load induction cooking (DC-AC)
- Inverter configurations for multiple load induction cooking (AC-AC)
- Inverter configurations and control techniques for all-metal applications
- Inverter configurations with power factor correction
- Inverter control with DSP / FPGA

Eligibility:

The program is open to the Faculty of Engineering Colleges in India.

Faculty conducting this program:

The program will be conducted by the faculty members from NIT Warangal; academicians in the concerned field from IITs/NITs are invited to deliver lectures in the program. Speakers from industries are also expected to deliver as part of the course.

Registration: No registration Fee

Accommodation: Will be provided on request

How to apply:

A filled in form of application in the prescribed format duly signed and sponsored by appropriate authorities should reach the coordinator by speed-post. It is also mandatory to send scanned application form through e-mail to selvi@nitw.ac.in

Selection Criteria:

Selection will be done based on first-come-first-serve basis to a maximum number of 25. The list of selected participants will be intimated through e-mail. Candidates will be issued participation certificates on successful completion of the course.

Important dates:

Last date (Application)	10/02/2020
Intimation by e-mail	11/02/2020

Brief profile of the Department of Electrical Engineering:

The Department of Electrical Engineering was established as one of the major departments of NITW, in the year 1959. The Department is actively engaged in teaching and research in diverse fields of Electrical Engineering. It offers B.Tech in Electrical & Electronics Engineering, M.Tech program in Power Electronics & Drives and Power Systems and Ph.D program. Broad areas of expertise of the department include Design and development of Smart Grid/ Microgrid systems, Control and integration of Renewable Energy Sources, State Estimation and Real Time Control of Power Systems, AI Applications in Power Systems, Power System Deregulation, Power System Transients, Power Quality, Application of Power Electronics to Power Quality Improvement and Industrial Drives, DSP controlled Drives, Simulation of Power Electronic Converters and Drives Systems and Control of Special Machines. The Department has strong Industry interaction and is involved in various Research & Consultancy projects in coordination with industry, Governments of India, Telangana & Andhra Pradesh. The department has an MOU with Central Power Research Institute (CPRI) to carry out collaborative projects.

About NIT Warangal:

NIT Warangal, formerly known as Regional Engineering College was established in 1959. Over the years it has developed into a premier institute of higher learning and is ranked among the top technical education institutions in India. There are 14 Departments offering eight undergraduate and 32 post-graduate programmes besides doctoral programmes. About 5000 students across the country and about 500 international students study on the campus. It is a fully residential campus sprawling over 250 acres with excellent infrastructure in the form of state of the art library, seminar halls, guest houses and laboratories.

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1. Name :
2. Designation :
3. Institution :
4. Email :
5. Address for Correspondence:

SPONSORSHIP CERTIFICATE

Dr. /Mr. /Ms. is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on “**Control and Applications of Resonant Inverters**”, sponsored by SERB, DST, Govt., INDIA on **14th & 15th February, 2020** at EED, NIT Warangal.

6. Mobile No:
7. Educational Qualification:
8. Subjects taught so far:

Signature of Head of Institution
(with seal)

9. No. of refresher courses/workshops attended:
10. Experience (in years):
Teaching: Research: Industry:
11. Accommodation required: Yes/ No

Address for correspondence
Post your application form to

Dr. S Porpandiselvi
Assistant Professor
Department of Electrical Engineering,
National Institute of Technology Warangal,
WARANGAL - 506 004, Telangana State, India.

E-mail the scanned copies of filled-in and duly signed application form to
selvi@nitw.ac.in

Declaration

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the FDP and shall attend the course for the entire duration. I also undertake the responsibility to inform the Coordinator in case, I am unable to attend the course.

Signature of the Applicant

For more enquiries please contact:
Mobile: +91- 8332969288

Coordinators

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