



Online ONE DAY TRAINING PROGRAMME FOR RESEARCH SCHOLARS
ON
“Fundamentals of Electrical Drive Controls and Implementation”
(05th March, 2021)

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 researcher's development programme is devoted to fundamental theory, recent developments, applications and research outcomes addressing the related theoretical and practical aspects on "Fundamentals of Electrical Drive Controls and Implementation".

Major Course Contents:

- Recent Developments and study of Power Electronic converters and Multi-level inverters.
- Recent Trends in Power Electronic drives for accurate and high dynamic performance of Motor.
- Application of various Electric Motor drives and its fundamental theory.
- Machine modelling for the application of Electric drives.
- Design of current, voltage and speed sensor for motor drive application.
- Motor drive operation using real-time dSPACE platform.
- Implementation of vector control schemes for motor drive and its real time demonstration.

Eligibility:

The program is open to the **Research Scholars** 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/IIITs are invited to deliver lectures in the program. Speakers from industries are also expected to deliver as part of the course.

Registration Fee Particulars: NIL

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 e-mail only. It is mandatory to send scanned application form through e-mail to vinaykumar@nitw.ac.in as selection will be intimated only through email.

Selection Criteria:

Selection will be done based on first-come-first-serve basis to a maximum number of **10 No's**. The list of selected participants will be intimated through e-mail. Candidates will be issued satisfactory certificates on successful completion of the course.

Important dates:

Last date (Application)	26/02/2021
Selection List by E- mail	01/03/2021
Duration	05/03/2021

About NIT Warangal & Department:

The Department of Electrical Engineering is one of the oldest departments of the National Institute of Technology, Warangal (NITW). Established as one of the major departments of the Institute, since its inception in 1959, the Department of Electrical Engineering has been actively engaged in teaching and research in diverse fields of Electrical Engineering. With excellent faculty, the Department of Electrical Engineering offers undergraduate (B.Tech) and graduate (M.Tech) in Power Electronics & Drives and Power Systems and research (Ph.D) programmes.



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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 training programme on “Fundamentals of Electrical Drive Controls and Implementation”, sponsored by SERB, DST, Govt., INDIA on **05th March, 2021** at EED, NIT Warangal.

6. Educational Qualification:

7. Subjects taught so far:

Signature of Head of Institution
(with seal)

Address for correspondence

*Post your application form by **e-mail** only*

8. No. of refresher courses/workshops attended:

9. Experience (in years):

Teaching: Research: Industry:

Note: The selected candidates are required to attend a one day TRAINING PROGRAMME using the online platform “Google meet”. The link for the one day TRAINING PROGRAMME would be sent to their email id.

10. Accommodation required: NA

Dr. T Vinay Kumar
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
vinaykumar@nitw.ac.in

For more enquiries please contact:
Mobile: +91- 9885281148

Signature of the Applicant

Coordinator

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

Workshop Schedule (online platform)

	09:00 – 10:30 AM	11:30 – 01:00 PM	1:00 - 1:55 PM	2:00 - 3:00 PM	3:00-3:30 PM	3:30 - 4:30 PM
FRI (05th March 2021)	Fundamentals of Electric Motor Drives (VTS)	Electric Drive Control Techniques (TVK)	-	Electric Drives Lab (TVK)	-	Electric Drives Lab (TVK)

VTS - Prof. VT Somasekhar
TVK: Dr T Vinay Kumar