

THE INSTITUTE

National Institute of Technology Durgapur (NITD) is a leading technical institute offering undergraduate, postgraduate and doctoral programmes in various disciplines of engineering, technology, science, social science and management. NITD was established as a Regional Engineering College (REC) in 1960 as a joint venture of the Government of India and Government of West Bengal. REC Durgapur was converted to NIT Durgapur under the full administrative and financial control of the Ministry of Human Resource Development of Government of India with a Deemed University status on 3rd July, 2003. Subsequently NITD has been given the status of a University by the UGC Act. The Institute was declared an **Institute of National Importance** by the Government of India on August 15, 2007.

The city of Durgapur is recognized as one of the fastest developing Tier-II cities in the national scenarios. Durgapur is situated at a distance of about 180 KMs from Kolkata. It is located right on the major railway and expressway (NH-2) connecting Kolkata to Delhi and Durgapur can be reached from Kolkata (and vice versa) in ~ 2 hrs. 30 mins.

THE DEPARTMENT

The Electrical Engineering course was initiated along with the Institution in 1960. Besides UG and PG courses, the Department also offers Ph.D. programme. The Department, over the years, has successfully completed DST-FIST, a number of sponsored and consultancy projects. Theoretical and experimental investigations are being carried out in the areas like power systems, control systems, power electronics & machine drives, high voltage, instrumentation etc. The department regularly organizes invited lectures by

experts from academic and R&D institutions as well as industries in various fields of Electrical Engineering. The Department is well equipped with highly sophisticated and modern laboratories.

ABOUT THE SHORT TERM COURSE

The success of ACAVFE-2014 has led the coordinators to organize ACAVFE-2018. Like the previous one, the proposed Short Term Course on “Advanced Control Applied to Various Fields of Engineering (ACAVFE-2018)” will provide proper platform to the participants to acquire the knowledge of the recent research and development in the field of advanced control theory. It gives an exposure to the participants to get acquainted with the applications of control theory in diverse fields of engineering. The applications’ fields include power system, machine drives, power electronics, robotics and mechatronics, process control and instrumentation, aerospace especially flight control, missile guidance etc. This Short Term Course will provide forum for academics and industrial professionals to exchange their knowledge of aforesaid area. The course contents will be taught by eminent experts in the field of advanced control theory. This Short Term Course will offer a unique opportunity to the researchers, practicing engineers, academicians and students working in this area to acquire knowledge in current and relevant topics in control theory.

TOPICS TO BE COVERED

The main focus of the course will be on the following topics:

-) Control and Guidance of Aircraft and aerospace vehicles
-) Guidance & Navigation of Mobile Robots
-) Process Control & Instrumentation

-) Modeling & Control of Power Electronic Converters
-) Advanced Control of Electrical Machines and Drives
-) Application of Control theory in Power System
-) Control of Power Electronic Converters
-) Application of Control System in Renewable Energy based power generating system

RESOURCE PERSONS

The resource persons constitute of eminent speakers from reputed universities, institutions and industries including Jadavpur University (JU), Indian Institute of Engineering, Science & Technology (IEST), Shibpur, CMERI Durgapur etc. and experts/faculty members from NIT Durgapur.

WHO CAN ATTEND ACAVFE-2018

ACAVFE-2018 is aimed to attract and bring together Faculty Members, Scientists, Engineers, Technologists, Research Scholars and PG students from Academic and Research Institutions and Industries. The participants will get new insights and knowledge about the topic through close interactions/discussions with the Scientists and Experts of the respective field.

BOARDING & LODGING

Boarding, lodging and travel expenses shall be borne by the participants. Limited shared accommodations may be available in the Institute Guest House on first come first served basis. Several good hotels are available in and around Durgapur. Participants may contact directly or through the coordinator(s) for accommodation in Hotels. No TA/DA will be paid to the participants by NIT Durgapur.

REGISTRATION FORM

TEQIP-III Sponsored Short Term Course on
Advanced Control Applied to Various Fields of
Engineering (ACAVFE-2018)
August 28 – September 01, 2018

Dept. of Electrical Engineering, National Institute of
Technology, Durgapur –713209,
West Bengal, India

1. Name: _____
2. Designation & Affiliation: _____

3. Male/Female: _____
4. Mailing Address: _____

5. Mobile No. : _____
6. E-mail ID : _____
7. Registration fees: Demand Draft No. _____
Date _____ Amount _____
**(DD should be drawn in favour of “NIT
Durgapur”, payable at Durgapur.)**
8. Vegetarian / Non-Vegetarian: _____

N.B.: Photocopy of this form may also be used for
registration.

Place: _____ Signature of the Applicant
Date: _____

Signature and Seal of the Head of the
Department/Institute

REGISTRATION FEES

Academic/ R&D Institution: Rs. 3,000/-

Industry: Rs. 6,000/-

Research Scholars: Rs. 3,000/-

Registration fee includes Seminar kit, study/lecture
materials and proceedings, refreshment and lunch for 5
days during the course.

ORGANIZING COMMITTEE

Patron: Prof. Anupam Basu, Director, NIT Durgapur

Advisory Committee:

Prof. I. Basak, Dean (Academic)
Prof. A. K. Meikap, Dean (R&C)
Prof. K. C. Ghanta, Coordinator, TEQIP-III
Dr. S.N. Mahato, Nodal Officer, TEQIP-III
Prof. S. P. Ghoshal, EE Department, NIT Durgapur
Prof. S. S. Thakur, EE Department, NIT Durgapur
Prof. N. K. Roy, EE Department, NIT Durgapur
Prof. S. Ghosh, EE Department, NIT Durgapur
Prof. S. Banerjee, EE Department, NIT Durgapur

Chairman:

Dr. Parimal Acharjee, HOD, EE Department

Short Term Course Coordinators:

Dr. Jayati Dey and Dr. Tapas Kumar Saha

Convener: Mr. Jitesh. Chandra Barman

Members:

Dr. Sankar Narayan Mahato
Dr. Chiranjib Koley
Dr. Partha Sarathi Bhowmik

Please send the completed application form together with
demand draft to the Coordinator on or before 21st
August, 2018. Also send the scanned copy of the said
documents by E-mail to acavfenitdgp@gmail.com

CORRESPONDING ADDRESS

Dr. Jayati Dey/ Dr. Tapas Kumar Saha

Coordinator, ACAVFE-2018

Department of Electrical Engineering
National Institute of Technology Durgapur
M. G. Avenue, Durgapur 713 209

Mobile: 9434788173, 9434788171, 9434788175

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Organized by

Department of Electrical Engineering
National Institute of Technology Durgapur,
Durgapur, WB-713209

IMPORTANT DEADLINES:

Registration Deadline: August 21, 2018