KURUKSHETRA

Kurukshetra is described as DHARAMKSHETRA, with historical and religious importance. Here, the battle of Mahabharata was fought, and Lord Shree Krishna preached the philosophy of "KARMA" as enshrined in the holy book "Shrimad Bhagwad Gita." It is one of the premier pilgrimage center attracting devotees all round the year. Kurukshetra is very well connected by Rail, Delhi-Ambala section, by Road (NH1, connecting Delhi-Chandigarh-Amritsar-Jammu) and by Air (Delhi 160 km and Chandigarh 80 km). The NIT Kurukshetra campus is situated about 10 km from Pipli, Bus stand located on NH1 and about 4 km from Kurukshetra railway station.

NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA

NIT Kurukshetra, formerly known as Regional Engineering College, Kurukshetra was founded in 1963. It was conferred upon the NIT status, with Deemed University on June 26, 2002. The Institute offers several courses, in various disciplines of B.Tech., M.Tech., MBA and MCA and Ph.D. with an annual intake of about 1500 students. Institute also provides excellent facilities for advanced research in the emerging areas of Engineering, Science, and Technology. The institute has well qualified and dedicated faculty along with supporting staff, laboratories and other infrastructure. The infrastructure is geared to enable the institute to produce technical personnel of high quality.

ELECTRICAL ENGINEERING DEPARTMENT (EED), NITK

The department offers B.Tech, M.Tech and Ph.D. Degrees. The B.Tech. course in Electrical Engineering provides is run with a number of electives, which enables the students to specialize in one of the fields i.e. Power Apparatus and Systems; High Voltage Engineering; Electronics and Instrumentation; Computer Applications; Information and Control. Presently, the department has three post graduate programs, M.Tech., in Control Systems; Power Systems; Power Electronics and Drives and offers Ph.D. in different areas to keep synergy with the evolving innovations and developments in all disciplines of Electrical Engineering.

PATRON

Padma Shri Dr. Satish Kumar,
Director, NIT Kurukshetra

CO-PATRON

Dr. Ratna Dahiya,
Professor and Head, EED, NIT Kurukshetra

CONVENER

Dr. Saurabh Chanana
Associate Professor, EED, NIT Kurukshetra

COURSE COORDINATOR

Dr. Atma Ram Gupta,
Assistant Professor, EED, NIT Kurukshetra

Dr. Pradeep Kumar
Assistant Professor, EED, NIT Kurukshetra

IMPORTANT DATES:

- Last date for submission of registration form: 10th July, 2018.
- Intimation of selection (on website or by email): on or before 12th July, 2018.
- Confirmation from selected participants (by email): 13th July, 2018

Note: **Intimation of acceptance will be communicated through email.**

List of selected participants will also be displayed on the institute website.

Address for Correspondence:
Dr. Atma Ram Gupta
High Voltage Laboratory
Electrical Engg. Department,
NIT Kurukshetra-136 119
Ph: (M) **9896279046**
Fax: 01744-238050
Email: argupta@nitkkr.ac.in

Short Term Course

on

High Voltage Engineering: Generation, Measurement and its Applications

(HVEGMA-2018)

(July 16-20, 2018)

Organized by

Department of Electrical Engineering,
National Institute of Technology
Kurukshetra
Kurukshetra-136119, Haryana, India

REGISTRATION FORM

Self Financed Short Term Course on High Voltage Engineering: Generation, Measurement and its applications

(July 16-20, 2018)

Name: _____

Title (Dr./Mr./Mrs./Ms.):_____

Sex (M/F): _____

Date of Birth: (dd/mm/yyyy) _____

Designation: _____

Organization: _____

Address for correspondence: _____

_____

_____

Phone: _____

E-mail: _____

Qualification: _____

Category of Registration: _____

Accommodation required*: Yes / No

Payment details:

Draft/Online Details_____

Date: _____

Issuing Bank: _____ Amount: _____

Signature of applicant (with date)

Sponsoring Authority:

Name: _____

Organization: _____

Recommended: _____

(Signature of Head of the Department / Section / School / Institute with Seal)

COURSE OBJECTIVES

The main objectives of the short-term course are to enhance the participant's understanding of basic concepts and theory related to the generation and measurement of high voltage and high current and its application. The safety, insulation selection, grounding, partial discharge and the concept of high voltage related to pulsed power system as well as flux compression generator will be discussed. Some of the confirmed speakers in the course are, Prof. N. K. Roy, NIT Durgapur, Dr. C. C. Reddy, IIT Ropar, Dr. R. K. Jarial, NIT Hamirpur, and Mr. H. K. Sharma, Sr. Scientist, TBRL Chandigarh. Other expert lectures also will be from distinguished faculty/scientists from IITs, NITs, DRDO and other reputed educational and research institutions. The participants will also be provided hands on practical experience in the high voltage laboratory of the Department along with all the theory relevant to this particular area of the power system.

COURSE CONTENTS

The course aims to address the following issues related to the High Voltage Engineering, but not limited to them.

The objective of the course is to share with the participants technology developed on:

1. Introduction to EHV/UHV Engineering, importance of condition monitoring and diagnostics methods.
2. Significance of preventive, condition based and other maintenance strategies.
3. Ageing, deterioration and insulation failure of HVAC & HVDC equipment and PD measurements.
4. Solid, liquid and gas insulation materials and degradation, consequence of multi-stresses on HV equipment.
5. Pulse Power System and Flux Compression Generator
6. Grounding and Insulation Coordination

WHO SHOULD ATTEND?

Faculty members/ research scholars/ students from academic institutes approved by the AICTE/ UGC/ MHRD and Scientists/ Engineers working in Private/ Public/ Govt. organizations/ industries etc. can attend the course. The application should be made on the registration form and should accompany registration fee as below:

Participant's category	Registration fee* (in Indian Rupees)
PG Students / Research Scholars	1000/-
Faculty	2000/-
Industry	4000/-

* **Registration fee is non-refundable**

Participants will be provided meals and tea during the sessions. However, limited accommodation is available in the hostel/ guest house. The accommodation can be arranged on the request of the participants on payment basis, separately. No TA/ DA will be paid to the participants. Participants will be selected on first-come-first served basis. The registration form, complete in all respects, duly forwarded by the Head of the Department/ School/ Institute, accompanied by Demand Draft/ Online details of the requisite amount should reach on or before 1st July, 2018. For more details please refer to the important details section.

Registration fee is to be paid in advance through a bank demand draft in favor of "**Director, NIT Kurukshetra"** payable at **SBI, NIT Kurukshetra** or Online in **Director, NIT Kurukshetra A/c No. 10116885013; IFSC: SBIN0006260.** Please put *HVEGMA-2018* in remarks.

The brochure with registration form can be downloaded from Institute website **www.nitkkr.ac.in**.

The hard copy of the completed application forms should be sent at the correspondence address and the soft copy to the e-mail address.