

**REGISTRATION**

Participants of Engg. Colleges may register for this course by **20 Feb 2012 (Mon)** by filling the Registration Form appended below and on payment of a nominal registration fee of Rs.1000/-per candidate. This includes the tea and lunch for the duration of the lectures. Professionals from utilities and industry are also eligible. Limited accommodation is available on the campus and may be provided at nominal charges on first come first served basis.

**REGISTRATION FORM**

**Faculty Development Program**  
on  
**Power Electronics & its Applications**  
(March 3 - 6, 2012)

Name of the Participant:.....

Educational Qualifications.....

Name/Address of the affiliated College

E-mail: .....

Phone.....(O).....(R)

**Signatures of Participant/HOD****Payment of Registration fee of Rs.1000/-**

By Demand Draft No.....dt.....

Bank Name.....

In favour of A.K. Garg Engg College, Ghaziabad payable at Ghaziabad / Delhi.

Accommodation required on     March 2012.

Please mail the registration form to: -

**Dr. Anil Kumar Rai,**  
Prof. EN Dept. AKGEC,  
27km stone, Delhi Hapur Bypass, NH-24,  
**Ghaziabad-201009.**

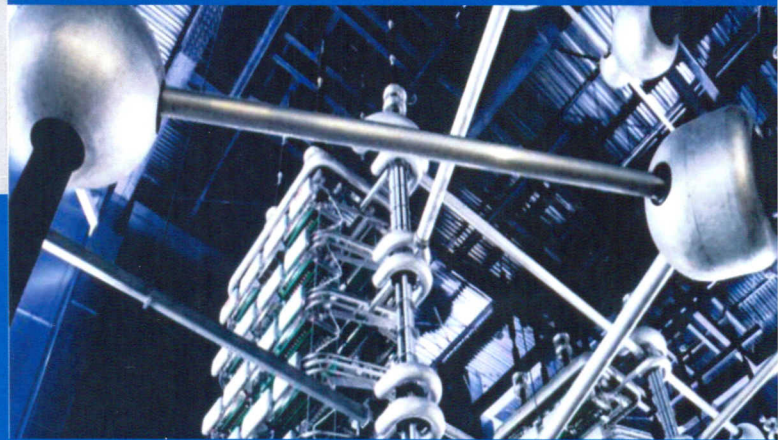
*Note:* The Registration Form as above may even be copied/photocopied or downloaded from the college website.

**Important Dates**

**Date of Programme** : 3 - 6 March 2012  
**Last date of Registration** : 20 February 2012  
**Confirmation of Acceptance** : 25 February 2012

**FACULTY DEVELOPMENT PROGRAM**

on  
**Power Electronics**  
&  
**its Applications**  
(March 3-6, 2012)

**Patron**

**Dr. R.K. Agarwal**  
Director, AKGEC

**Organizers**

Prof. M.P. Dave  
Prof. V.K. Parashar

**Co-ords:** Dr. Bhupal Singh, Dr. Anil Kumar Rai

**ELECTRICAL & ELECTRONICS ENGINEERING DEPARTMENT**

AKGEC, Ghaziabad-201009

Phone: 0120-3291277/78/79, 6470765/66, 3251275/76

Fax: 0120-2767384

**Website: [www.akgec.org](http://www.akgec.org)**

## OBJECTIVE

Power Electronics has undergone a phenomenal growth and seen rapid developments of its applications in the Power Sector and in the Industrial Drives. Innovations in Thyristor Technology, MOSFET and IGBT have greatly changed the Power Electronics scenario. New applications in the area of HVDC transmission, Flexible AC transmission, Power Quality, Industrial Drives etc. are continuously expanding. This is also getting reflected in the ever-changing course contents at the undergraduate & postgraduate level.

The objective, therefore, of this Faculty Development Program, is to make teachers aware of the recent developments and challenges in the Power Electronics areas.

## SCOPE OF THE COURSE

The subject of Power Electronics is included in course curricula of various Universities all over. With the above objective in view, lectures are to be held on 03, 05 & 06 Mar. 2012 by academicians of repute and long-standing in their respective areas of specialization. These are arranged with the intention of faculty-expert interaction. The topics and resource persons identified are as follows:-

GUEST SPEAKERS	TOPICS
<b>Prof. K.B. Naik</b> Ex. Director, KNIT, Sultanpur, Director General, Radha Govind Institute of Engg. & Tech. College, Meerut	<b>Power Converter Devices</b>
<b>Prof. Pramod Agarwal</b> IIT Roorkee	<b>Converters &amp; Inverters</b>
<b>Prof. S.K. Mishra</b> IIT, Delhi	<b>Generalized Power Flow Controllers</b>
<b>Prof. M.P. Dave</b> AKGEC, Ghaziabad	<b>HVDC Transmission</b>
<b>Prof. Bhim Singh</b> IIT, Delhi	<b>Power Quality Improvement</b>
<b>Prof. G. Bhuvneshwari</b> IIT, Delhi	<b>Vector Control of Induction Machines</b>

Besides lectures, the participants may also utilize the available resources of Power Electronics Lab, Digi-Silent & MATLAB during the afternoons.

## ABOUT THE COLLEGE

Ajay Kumar Garg Engineering College, Ghaziabad established in 1998, is affiliated to Mahamaya Technical University (MTU), Noida and is approved by the AICTE. The College offers B. Tech courses in six disciplines of Engineering, M. Tech courses in Computer Science & Engineering, Automation & Robotics, Electrical Power & Energy Systems (EPES) and Electronics and Communication Engineering. It also offers masters in Computer Application (MCA).



The college strives for excellence and has the distinction of receiving Uttar Pradesh Technical University (UPTU), Lucknow Academic Excellence Award for Best Engineering College consecutively for two years.

The college also has the distinction of being the only Engineering College in the state of Uttar Pradesh to have received approval from Deptt. of Science & Technology, Government of India, for establishment of Centre of Relevance and Excellence (CORE) in the field of Automation & Robotics under the mission REACH of TIFAC. The college has also established India's first industrial robotics training centre in collaboration with Kuka Robotics to train the students & technical manpower in advance robotics technologies. Situated on the Delhi Hapur Bypass (NH-24), the collage is a short trip by road/rail from the national Capital, Delhi. Spread over 40 areas with lush green lawns, the collage has 6 academic blocks and all recreational/sports & hostel facilities. During March the weather will be moderate and pleasant.

