

AJAY KUMAR GARG ENGINEERING COLLEGE
GHAZIABAD- 201009

and
Indian Concrete Institute

National Seminar on

AUTOMATION, ROBOTICS AND 3D PRINTING IN CONSTRUCTION

REGISTRATION FORM

15th -16th October 2018

Name: _____

Designation: _____

Department: _____

Organization: _____

Mailing Address: _____

Mobile No.: _____

E-mail Id: _____

Registration Fee:

Amount: _____ DD No. _____

Date: _____

Bank: _____

Place: _____

Signature of the Applicant

Sponsoring Authority

Mr./Ms/Dr. _____ is an
employee of our organization and is sponsored to attend
the program.

Date: _____ Signature of Principal/Head of Section

TARGET PARTICIPANTS

The program is open for the faculty members/ research scholars/ students of Engineering and Management institutions, and participants from Industry/Government.

REGISTRATION FEE

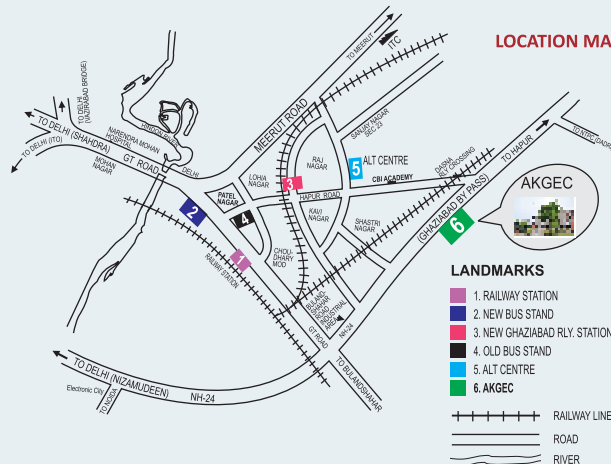
For Faculty/Research scholars/Students ₹ 500/-

For Industry participants ₹ 1000/-

Fee to be paid in the form of cash / DD drawn in favor of
"The director, AKGEC", payable at Ghaziabad.

LOCATION

Ajay Kumar Garg Engineering College (AKGEC), Ghaziabad is located at Delhi-Hapur Bypass, NH 24, which is about 10 km from old Bus Stand, Ghaziabad. It is well connected by bus from various places of the city.



IMPORTANT DATES

Registration open till : 5th October 2018

Poster material submission : 10th October 2018

Seminar date : 15th October 2018

Venue:

Seminar Hall – Main Building
AJAY KUMAR GARG ENGINEERING COLLEGE
27th km stone, Delhi-Hapur Bypass Road
GHAZIABAD-201009

Phone: 0120-2762841 to 2762851

Website: www.akgec.in



National Seminar on

AUTOMATION, ROBOTICS AND 3D PRINTING IN CONSTRUCTION



15th -16th October 2018

Organized by
Civil Engineering Department
&

Research and Industrial Consultancy Centre
at
AJAY KUMAR GARG ENGINEERING COLLEGE
GHAZIABAD



in association with
Indian Concrete Institute

Western UP Centre, Ghaziabad, Uttar Pradesh

ABOUT THE HOST INSTITUTE

Ajay Kumar Garg Engineering College (AKGEC), Ghaziabad, Uttar Pradesh is approved by AICTE and affiliated to Dr APJ Abdul Kalam Technical University, Lucknow. The college was established in 1998 and offers B.Tech Courses in seven disciplines of Engineering. The college also offers postgraduate courses in Computer Application (MCA) and M.Tech in five engineering disciplines. The college is accredited by NAAC. AKGEC has excellent infrastructure with state-of-the-art laboratories, computing facilities, automated library with e-journals, modern well furnished hostels for 1500 students and faculty residences on its wi-fi enabled 40 acres campus. The college also has highly qualified and experienced faculty lead by its Director, Dr. R.K. Agarwal, who is an alumnus of IIT Kanpur, CIT, UK and IISc Bangalore with vast teaching, research and administrative experience.

The college has been consistently maintaining excellent results and has 18 students in the 2017-18 top ten AKTU merit lists. The college students have also received the Chancellor's Gold Medal for best performance across all B.Tech branches for three consecutive years, since its inception. The college has set up India's first Industrial Robotic Training Centre in collaboration with KUKA Robotics of Germany. The College has also set up the first Centre of Competence in Automation Technologies in North India in collaboration with BOSCH Rexroth AG, Germany. The efforts of the college to bridge the gap between academic curriculum and industry requirements through these centres of Excellence & Competence have been recognized and the college is the recipient of the CMAI Best Industry Interface award from the Hon'ble Minister of Science & Technology, UP Govt.

ABOUT CIVIL ENGINEERING DEPARTMENT

Under this department, B.Tech degree Courses in Civil Engineering is offered having approved intake of 120. The vision of this department has been to produce high quality technical manpower needed by industry, R&D organizations, and academic institutions and above all to meet the engineering needs of the nation. The faculty comprises of galaxies of qualified and experienced teachers

with Ph.D and M.Tech from premier institutions like IISc, IITs and NITs. The academic activities of the Department emphasize deep understanding of fundamental principles, development of creative ability to handle the challenges of Civil Engineering. The analytical ability to solve problems by various faculty and students encourages them to carry out research activities of interdisciplinary nature.

ABOUT RICC

Research and Industrial Consultancy Centre has been established in the college to promote industrial consultation and it extends the consultancy and R&D services as per industry needs. The main objective of this center has been (i) to create a collaborative environment between industry and academia through joint projects and consulting assignments (ii) To develop a self sustaining and technologically fertile environment (iii) to encourage and enable the alignment of R&D activities at AKGEC to potential needs of industry, Under this center since 2007, there has been 28 projects which are completed and there are two important projects currently which are ongoing.

ABOUT ICI

Indian Concrete Institute (ICI) is the national organization of engineering professionals, employed in concrete construction and associated research. It has several centre spread all over India. ICI promotes growth of concrete construction and its sub-specialization. The ICI, Ghaziabad western UP Centre has Er. A.K. Sharma, as its Chairman, Er. G.K. Sahu at its Hon Secretary and Mr. Rajeev Goel, Sr. Principal Scientist CRRI has been Vice-President (North) in ICI at the national level. ICI organizes various National and International workshops, conferences, seminars and exhibitions for benefitting all.

ABOUT THE SEMINAR

The construction Industry is going through a paradigm shift from using conservative construction practices to the most modern methods and techniques including Automation, Robotics and 3D printing as well as use of newer building materials. It is found that 3D printing Technology with automation is no more just a technology demonstrator, but has arrived to stay into construction as well. Further,

Robotics are not restricted to any particular branch of engineering which have been otherwise backbones of Automation in Automobile and aerospace Industries. These have also arrived now in construction Industry. Civil Engineers had always dreamt of transforming a drawing in 2D to a 3D model. For them what remained as very easy to design on paper has been highly complicated to execute on the ground. Three dimensional constructions can be faster and more accurate, 3D printing turns as a better construction also methodology in 21st Century. In order to ensure that the construction Industry should not be lagged in embracing any new technologies, this Seminar will discuss and hold a poster session on all aspects of the development of 3D Printing, Robotics and Automation in construction also and the outcome of the threadbare deliberations will help the prospective real estate developers house owners to get design & implement the latest trends with all advantages into their dream projects.

Speakers at this seminar are from the following CPWD, CBRI, NCCBM, ICI, IITM& Construction Industries and experts from Singapore.

PATRONS

Dr. Vinay Kumar Pathak
Vice-Chancellor, AKTU

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

ORGANIZING COMMITTEE

1. Professors, Department of Civil Engineering.
2. Prof I.P. Sharma, Dept. of Mechanical Engineering.

CONVENERS

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