

THE COURSES

The centre aims to train engineering students of all disciplines up to the Industry expectations and foster research in the field of applied robotics. The centre conducts following training programs for industry professionals and engineering students of all disciplines:

- **Robot Programming Basic Level**

The aim of this training is to acquaint the participants with basic concept of programming of the KUKA robot system. This includes safety instructions for KUKA robots, Knowledge and usage of the coordinate systems, Methods of tool calibration and tool payload, basic concepts of robot programming, operation of robot system and Robot Simulation on SimLayout software.

- **Robot Programming Advance Level**

Building on the Basic level training, Robot Programming is extended and covered in great detail and depth. The main emphasis of this training module is on the high level KRL programming language and on the structuring and documentation of Robot Programs.

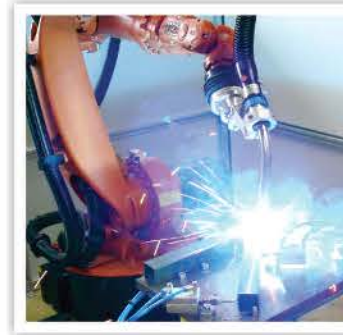
- **Robot Programming Expert Level**

The training on Expert Robot Programming is designed for the advanced programming personnel of KUKA Industrial Robot. In this program, Robotic project execution and interrupt programming for implementing complex tasks is done using high level KRL programming language. It also helps participants to learn structured robot programs to enhance their knowledge and capabilities for application development.

On successful completion of above training program, the participants will receive joint certification by KUKA Robotics & AKGEC.

PROGRAM DETAILS

Eligibility	:	B.Tech - All Disciplines / Working Engineers / Supervisors / Technicians
Duration	:	80 Hrs (For Students) / 40 Hrs (For Working Engineers)
Intake	:	10 Seats per Program
Mode	:	Regular: Mon-Fri, 9.00 am to 5.00 pm, Part time : Mon-Fri, 5.00 pm to 7.00 pm, Weekend : Sat-Sun, 9.00am to 5.00 pm
Program Faculty	:	Theory & laboratory sessions in training programs are conducted by Expert faculty from different engineering disciplines, trained & certified by KUKA.
Registration	:	Online at www.akgec-kuka.org/registration
Accommodation	:	Limited Guest House / Hostel facility available for outstation participants on request at nominal charges



CONTACT INFORMATION

AKGEC-KUKA Industrial Robotics Training Centre
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INDIA'S FIRST INDUSTRIAL ROBOTICS TRAINING CENTRE



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AKGEC-KUKA

INDUSTRIAL ROBOTICS TRAINING CENTRE

AKGEC

Ajay Kumar Garg Engineering College (AKGEC), Ghaziabad is affiliated to U.P. State Technical University, APJAKTU and is approved by the All India Council for Technical Education. The college was established in 1998 and offers B.Tech Courses in Seven disciplines of Engineering. The college also offers postgraduates course in Computer Applications (MCA) and M.Tech in six disciplines. The college is certified for ISO 9001-2008 by BSI, UK.

The college has been consistently maintaining excellent academic results and has the distinction of being the first and only college in UP to receive the Academic Excellence Award for the Best Engineering College in U.P. State Technical University from H.E., the Governor of UP for two successive years. The college has also received CMAI award for best industry interface from the Hon'ble Minister of Science & Technology, U.P. State.

KUKA ROBOTICS

KUKA Robotics (India) Pvt. Ltd is a 100% subsidiary of KUKA Roboter GmbH, based in Augsburg, Germany. KUKA is the world leader in industrial robots technologies. KUKA Robotics (India) is part of the worldwide operating KUKA Robot Group. KUKA Robotics (India) Private Limited was incorporated in India in May 2006. With Indian operations headquartered in Gurgaon, KUKA India has a state of the art Service and Training centre in Pune. Today KUKA India's key clientele include most of the automobile and other engineering as well as non-engineering companies.

AKGEC-KUKA: INDUSTRIAL ROBOTICS TRAINING CENTRE

AKGEC, jointly with KUKA Robotics (India), has set up India's first Industrial Robotics Training Centre for Educational Institutions at Ghaziabad. The AKGEC-KUKA Training Centre is setup to produce highly skilled technical manpower in the field of Industrial Robotics. The trained manpower will help Indian Manufacturing Industry to adopt latest technologies to improve quality and work condition with high productivity.

This collaborative effort of AKGEC and KUKA has the main objective to encourage young professionals to take up this cross disciplinary field as a career of their choice and acquaint them with latest technological developments in the field of Industrial Robotics.



INFRASTRUCTURE

The Centre is equipped with following facilities:

- KUKA KR-16 Industrial Robot with required auxiliary equipment.
- Arc Welding Cell with KUKA KR-5 Robot fitted with new generation KR C4 Controller.
- Mobile AGILUS Robot set up with latest KR C4 compact controller.
- KUKA youBot, a mobile manipulator, used for research and educational purpose to facilitate application development in service robotics and mobile manipulation.
- Robot Simulation Lab with KUKA SimLayout and SimPro software.

The available facilities at the centre are capable of operations used for welding, painting, gluing and other essential industrial operations used by the automobile, food & beverages, packaging and other manufacturing/Production industries.

