



AKGEC-rexroth
COE in Automation Technologies

Workshop on Automation Technologies



TRAINING



RESEARCH



CONSULTANCY

AKGEC SKILLS FOUNDATION

AKGEC SKILLS FOUNDATION, an initiative promoted by Ajay Kumar Garg Engineering College (AKGEC) in collaboration with National Skill Development Corporation to strengthen 'Skill India' mission launched by Ministry of Skill Development & Entrepreneurship, Govt. of India.

The objective of this initiative is to encourage skill development for youth to align their technical competency to meet manpower requirement of modern Industries established under 'Make in India' initiative of Govt. of India. It also aims to nurture creativity and innovation in youth to promote Entrepreneurship.

AKGEC-Bosch

Ajay Kumar Garg Engineering College, Ghaziabad has established the AKGEC-BOSCH Rexroth Centre of Competence in Automation Technologies in collaboration with Bosch Rexroth AG, Germany. The primary objective of the centre is to bridge the technological gap and focus on training and research programs which will help in catering to the growing demand from engineering and manufacturing industries in India. This Centre is an initiative to prepare young engineering graduates to meet current industry demand for the global challenges in manufacturing sector. The Centre has world class infrastructure with state of the art technologies, equipments, training kits, hardware, software and teaching aids with excellent faculty trained by Rexroth Germany. The center has six laboratories at par with international standard on Hydraulics, Pneumatics, Sensorics, PLCs, Drives & Control and Mechatronics. The centre aims to provide training to under graduate and post graduate students as well as industry professionals to meet industry requirements. These trainings will enhance the competency levels of the students for better employability. Successful students / participants will be awarded joint certificate of AKGEC & BOSCH Rexroth.

About Course

This one-day program is to abreast the Engineering Graduates with the latest trends and technologies available in the field of Industrial Automation through specially tailored lecture's followed by some Hands-on sessions with Pneumatics, Hydraulics and Logic controller. During the workshop participants will visit the various State of Art facilities available at the Center of Excellence in Automation Technologies and also observe technologies like SCADA and Motion Control.

- Basics of Industrial Automation
- Need and Role of Automation
- Classification/Architecture /Configuration of Industrial Automation
- Operational Overview of the Input, Output and Control Technologies
- Myth buster and familiarization session on logic controllers
- Future Trends in Automation Sector
- Career Options and Job roles available in Automation
- Concept Check and Feedback session



Key takeaways

After undergoing this One-day program, the participants will be able to:

- Understand the basic architecture of automation and functional overview of various devices.
- Understand the importance of automation in today's industrial environment.
- Gain Improved ability to conceptualize and understand automation solutions particularly related to machinery and control systems.

Highlights

Language : English

Duration : 1 Day

Prerequisite : Engineers, B.Tech pursuing Students

Training Location : AKGEC-BOSCH



Teaching & Learning Media

- Multimedia Presentation
- Cut Sections / Transparent Models
- PC Animations
- Circuit Simulation on Trainer Kit



The perfect balance between theory and practice ...



40 : 60



Centre Activities



CONTACT INFORMATION

AKGEC-BOSCH Centre of Competence Automation Technologies

📍 AKGEC SKILLS FOUNDATION

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