

30 HOURS TRAINING PROGRAMME ON INDUSTRIAL AUTOMATION

Contents	<p>Drives: Cylinders for different drive purposes</p> <p>Valves: Various valve types (pneumatic/hydraulic/electric controlled)</p> <p>Controls: Pneumatic, hydraulic, and electric controls of valves</p> <p style="padding-left: 20px;">Position control: Limit switches and sensors</p> <p style="padding-left: 20px;">Speed control: Uses of throttle valves</p> <p style="padding-left: 20px;">Logic control: AND/OR valves</p> <p style="padding-left: 20px;">Pressure control: Uses of adjustable pressure sensors</p> <p style="padding-left: 20px;">Time-dependent control, Symbolic representation of devices, standards</p> <p>Relay Logics, Electro-Pneumatics, Programmable Logic Controllers, Interfacing hydraulic and pneumatic system with PLC, Study of different types of sensors and their application.</p> <p>Hands on Training on Pneumatic, Hydraulic, Electro-Pneumatic circuits, electro hydraulic and Interfacing hydraulic and pneumatic system with PLC.</p>
Outcomes	<p>The participant:</p> <ul style="list-style-type: none"> • can design, assemble and test basic pneumatic/hydraulic/electro-pneumatic circuits • can maintain and troubleshoot pneumatic/hydraulic/electro-pneumatic components and basic control systems
Facilities of centre	<p>Hydraulic kit- 6 nos.</p> <p>Pneumatic kit- 6 nos.</p> <p>PLC kit- 4 nos.</p> <p>Sensoric kit- 4 nos.</p>
Duration	30 hours(Monday – Friday(4.30PM-6.30PM), Saturday(9AM -4PM)
Eligibility	Degree/Diploma in Mechanical/Electrical/Electronics/Instrumentation Engineering or Allied branches (Current students can also apply).
Course Fee	Rs.1800/- (to be paid at the Centre for Continuing Education, CET)
No. of Seats per Batch	25
Contact	Dr. Binu L S, Co-ordinator, Bosch Rexroth CET Centre of Excellence in Automation Technologies, Professor(CAS), Department of Electronics and Communication Engineering CET, TVM-695016. e-mail: binuls@cet.ac.in, mob: 9447343160.
Last date for Apply	Course will be offered throughout the year in batches of 25 students. A batch will commence as soon as all the 25 seats for a batch is filled.
Date of commencement	The course is offered in batches and a new batch will start in every two weeks. The date of commencement will be intimated individually to each registered participant.