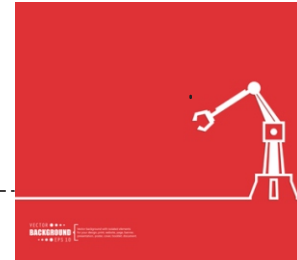




Course on ROBOTICS & AUTOMATION

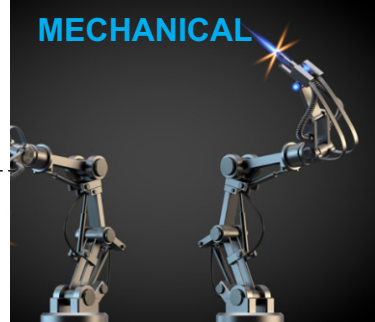
ELECTRICAL



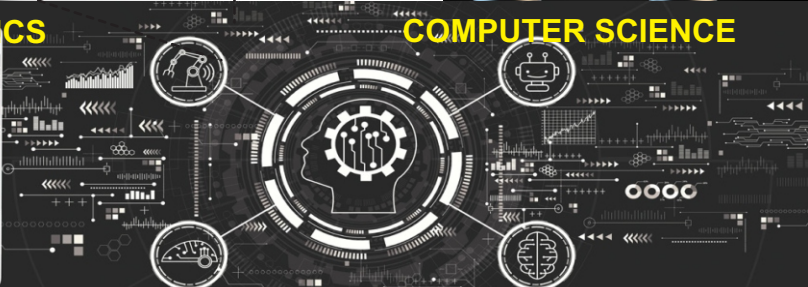
ROBOTICS
AUTOMATION



MECHANICAL



ELECTRONICS



COMPUTER SCIENCE

Certificate Course on Robotics & Automation

160 Hrs.

Advance Certificate Course on Robotics & Automation

320 Hrs.

Corporate Office :

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Dr. Radhakrishnan Salai, Mylapore Chennai - 600004

Web - www.caddcentre.com

Jaipur Office :

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Contact - +91-99280-33044, +91-99280-33023

ROBOTICS & AUTOMATION

CADD CENTRE Training Services is the Pioneer in Industry4.0 hands-on skill Development combining Technological & Human Skills. Robotic process automation (RPA) occurs when basic tasks are automated through software or hardware systems that function across a variety of applications, just as human workers do. This can greatly reduce labor costs and increase efficiency by speeding things up and greatly minimizing human error.

Course Objective

“To develop hands-on skills of Working Engineering Professionals and Fresh Engineers, on Industry 4.0 Technologies, through Competency based Training on world class Industrial Robots, Automation systems, Commercial / Domestic Robotics, 3D Printing, AI, IIoT and other emerging Industry 4.0 Technologies, with primary focus on enhancing scope of employability of our trainees and fulfil manpower requirement of 'Rightly Skilled' professional in the Industry.”

CADD CENTRE Robotics & Automation Specialist Program

- Learn about Industrial Robotics / Domestic Robotics / Commercial Robotics
- Industrial Automation: What is Automation, why Automation is required, how Automation is done in Industry.
- Elements of Industrial Automation projects: Machine Controls, PLC, HMI, Industrial Communication, Sensors, Actuators, VFD, PID and much more.
- Integrate and interface Machine Control - PLCs with other elements including Electrical, Pneumatic, Hydraulic Systems.
- PLC Programming, HMI Development.
- Conceptualize, configure, Program and prove-out Industrial Automation 'use case' Project
- Industrial Robotics: What is an Industrial Robot, where Robots are required, how robots are put to use in Industry.
- Anatomy, Installation, Commissioning & Application of 6 Axis Industrial Robots and Collaborative Robots.
- Integrate and Program Robot for Vision based inspection and material handling application.
- Prepare, Program and prove-out Robotics 'use case' Project in service industry.
- IIoT/ Industry4.0: What exactly is Industry4.0, how to commission an Industry4.0 system.
- Elements of Industrial IOT System.
- Commissioning of an Industrial Machine Monitoring System.
- Capturing data from a working automated cell and generate automated reports via cloud-based software.



Certificate Course on Robotics & Automation

160 Hrs.

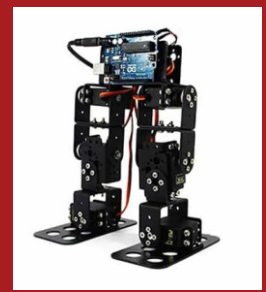
- *Mechanical Design software of Robots and mechatronics elements.*
- *Electronic and Electrical Control architecture for Robots.*
- *Computer Languages for Robot Programming.*
- *Basic Training for Sensor and other equipment integration.*
- *Robot cell process knowledge for pick and place.*
- *Basic maintenance process of Robot.*
- *Service Robot practical & development.*
- *Commercial Robot design & development.*



Advance Certificate Course on Robotics & Automation

320 Hrs.

- *Mechanical Design of Robots and Mechatronics elements.*
- *Electronic and Electrical Control design of Robots and testing.*
- *Conveyor and Sensor Integration project for Pick and place.*
- *Computer Languages and practice for Robot Programming.*
- *Design and Drafting for Robot Cell design.*
- *Body building and coding for multiple action service / commercial Robot.*
- *Robotic process knowledge for industrial welding, vision and spot welding application.*
- *Robot Building project.*
- *Testing and maintenance of Robot.*
- *Industrial Automation application.*



About CADD CENTRE

CADD CENTRE is Asia's largest network of CAD skill development company, providing world class training in CAD, CAM, CAE, IT, Robotics, new edge technologies and PPM. Headquartered in Chennai, India. We have over 1500+ franchise partners across 38 countries including Bangladesh, Bahrain, Bhutan, Botswana, Cameroon, India, Ghana, Ivory Coast, Jordon, Kenya, Kuwait, Malaysia, Tanzania, Saudi, South Africa, Sri Lanka, Senegal, Sudan, Nigeria, UAE, Uganda, USA, Oman, and Zambia. In the last 35 years, CADD Centre has trained over 50 million engineers, graphic artists and management professionals, who are employed in about 70 countries.

CADD Centre Training Services Pvt. Ltd. also pioneer in Advanced automation Skills Development. Our state-of-the-art lab is equipped with latest and best in class our labs are well equipped with Industrial Robotics, Domestic Robotics & Commercial Robotics, Industrial IOT, PLC & HMI, Electro-Hydraulic & Electro-Pneumatic systems, Industrial Sensors, Industrial Mechatronics System, Industrial Machine Vision System, Industrial 3D Printer, Artificial Intelligence, Machine Learning etc.

About Autofina Robotics UK

Autofina is a Cambridge, UK based company that has successfully developed robots that has enabled the commoditization of industrial robots. Autofina robots were being manufactured in India under license by a subsidiary of Tata Motors until 2022 and are now being manufactured at the Autofina plant in Pune, under the Make In India programme.

Autofina is the harbingers of a new generation of reliable, easy to use robots ideally suited to industry and academia alike, and are being successfully used to impart modern, and relevant industrial robotics training in education institutes across all spectrums of training.



COUNSELING AND ASSESSMENT



TRAINING & SESSIONS



ROBOTICS LAB & PRACTICALS



PROJECT & TEST

Our Education Collabroration

