

## ABOUT THE COLLEGE



PSG College of Technology established in 1951, is one of the many educational institutions nurtured by PSG & Sons' Charities Trust. The College is government - aided, autonomous, ISO 9001 certified and affiliated to Anna University. The institution has a strong alumni base, most of them occupying coveted positions in many educational, industrial and research organizations all over the world. PSG is one among the foremost of Institutes of national importance in higher technological education, engineering, basic and applied research. The college has established 48 Centres of Excellence in the campus in association with various leading industries.



## ABOUT THE DEPARTMENT

The department of Robotics and Automation Engineering was established in the year 2011 in order to meet the growing demand for trained manpower in the field of Robotics and Industrial Automation. This unique program is tailored to develop superior quality robotics and automation talent for manufacturing, defense, food, medical aerospace and service sectors. The department draws teaching talent from industry and professional practice, apart from competent and committed academicians to enhance the quality of the program. A full-fledged centre for robotics is operational, which houses various kinds of robots. The Department has several laboratories and ten Centres of Excellence.

## ABOUT THE PROGRAMME

The world needs robots for a countless number of reasons, including hazardous jobs and automated manufacturing. As more companies incorporate robotics into their operations, the demand for high paying careers related to industrial robots is increasing. The program trains students on how to program and operate the latest robotic automation. These programs significantly enhance student learning and provide training for real-world applications with real-world industrial robots. Students receive an industry recognized certification upon course completion.

## ABOUT CIA

Centre for Industrial Automation(CIA) has been formed in PSG College of Technology to act as an interface between academia and industry in organizing quality training programmes, workshops and Conferences in the areas of Automation and Robotics. Automation plays an increasingly important role in the world economy and quality of life. The Centre for Industrial Automation also undertakes consultancy services, automated machine maintenance, and product development activities for automation and Robotics. Training programmes on Fanuc products as certified by Fanuc India Ltd.



PSG CENTRE FOR NONFORMAL AND  
CONTINUING EDUCATION

SHORT TERM COURSE ON

## INDUSTRIAL ROBOTS PROGRAMMING AND OPERATIONS

26 - 28, SEPTEMBER 2018



DEPARTMENT OF ROBOTICS AND  
AUTOMATION ENGINEERING



CENTRE FOR INDUSTRIAL AUTOMATION  
PSG COLLEGE OF TECHNOLOGY  
COIMBATORE

## ELIGIBILITY

- Faculty working in Polytechnic Colleges and engineering Colleges
- Diploma / UG/PG Engineering Students
- Practicing Engineers

## COURSE FEE

**Rs. 3 000/- (Fee Inclusive of Service Tax)**

The registration fee include course materials, working lunch and refreshments.

## GATE WAY TO REGISTER

Registration for the programme can be made by sending the duly filled in application form along with Demand draft drawn in favor of "PSG CNCE", payable at Coimbatore, or can be paid as cash before the last date of application

The details of this training programme is available in the website

[www.psgtech.edu/conf.php](http://www.psgtech.edu/conf.php)

## COURSE CONTENTS

- Introduction to Robotics  
Types , architecture , safety, and application of robots in human life.
- Explanation on Mechanical parts of Robot
- Robot controller and different motion instruction (J,L,C)
- Manual jogging of robot.
- Hands on practice of different motion instruction and set different frames in Fanuc robots.
- Creating a program, simple teaching with program for pick & place and I/O used in robots.
- Introduction to Roboguide software,
- Basic introduction of roboguide software  
Creating a program using roboguide software
- Practical – Program for pick & place (fixed points)
- Robot programming for Welding application – linear pattern, circular pattern, circular with weaving pattern.
- Mastering of robots, Hands on practice.
- Program pick & place Interfacing  
Conveyor belt and camera

## COURSE COORDINATOR

**Dr. B. Vinod**

The dully filled in application form may be send to Ms. K. Vidya

Centre for Industrial Automation

Dept. of Robotics and Automation Engg.

PSG College of Technology,

Peelamedu, Coimbatore – 641004

**Mobile : 8973509825**

**Email : [cia@mail.psgtech.ac.in](mailto:cia@mail.psgtech.ac.in)**

## PSG COLLEGE OF TECHNOLOGY COIMBATORE INDUSTRIAL ROBOTS PROGRAMMING AND OPERATIONS

### APPLICATION FORM

Name : \_\_\_\_\_

Qualification : \_\_\_\_\_

Experience (if any): \_\_\_\_\_

Designation&Dept.: \_\_\_\_\_

Organization : \_\_\_\_\_

Address for : \_\_\_\_\_

Communication : \_\_\_\_\_

: \_\_\_\_\_

Office No. : \_\_\_\_\_

Mobile No. : \_\_\_\_\_

Email Id : \_\_\_\_\_

Demand Draft No. : \_\_\_\_\_

Bank Name : \_\_\_\_\_

Amount in Rs. : \_\_\_\_\_