

About

PSG COLLEGE OF TECHNOLOGY

An ISO 9001:2000 certified institution is one of the foremost institutions established by the PSG & Sons' charities Trust (1926). Started in 1951, it has been recognized worldwide for quality engineering education. The College has been granted autonomy status since the year 1978. The college is located in the same campus as PSG Industrial Institute facilitating students to get real time exposure to industrial practice. PSG College of Technology won the diamond award for overall best industry - linked engineering institutes category on 08th Nov, 2012; in first-ever survey of industry linked engineering institutes undertaken jointly by the All India Council for Technical Education (AICTE) and the Confederation of Indian Industries (CII).

DEPARTMENT OF PRODUCTION ENGINEERING

As manufacturing activities play a major role in the development of the country, PSG College of technology envisaged the need for trained manpower in manufacturing and thus the undergraduate programme in Production Engineering was started in the year 1975. The programme has been accredited for five years in the year 2012, which is the best ranking offered for a BE programme by National Board of Accreditation (NBA). The department offers consultancy in manufacturing processes, design and testing a wide range of products, including product styling.

PSG - JANATICS CENTRE FOR PNEUMATICS AND AUTOMATION

Department of Production Engineering in collaboration with M/s. Janatics India Private Limited has started the Centre for Pneumatics and Automation at PSG College of Technology in March 2014. The training centre includes training kits for pneumatic automation, latest sensor kits (hardware and software), data acquisition and interfacing systems for online monitoring and control of processes. This centre provides a wide scope for project assignments and help students to build hybrid systems by integrating important automation technologies such as Pneumatics, PLC and Mechatronics. In addition to hardware equipments, latest softwares offer simulation and analysis functionalities in a user-friendly environment. The beneficiaries of the training centre are the end users of the automation technologies provided by the company. The major objectives of the training centre is to provide basic hands-on training in automation and sensor technology, to inculcate the ability to formulate industrial problems related to automation and control systems, to work on industrial projects and to develop in-house solutions/products for interfacing of machines and sensors in collaboration with the industry and patent them.

CONTACT PERSONS

Madhu M / Krishnakumar N / Jagatheeshkumar S / Sreekanth T G
Assistant Professor, Department of Production Engineering,
PSG College of Technology, Peelamedu, Coimbatore - 641004.
Mobile: 9994744994 / 9789000947 / 9677779558 / 9447543771
Email: psgjanaticscentre@outlook.com

PSG-JANATICS Centre for Pneumatics and Automation

Presents

Short Term Course on Mechatronics for Industrial Automation

November 12 - 16, 2018

Organized by



JANATICS
Pneumatic

Department of Production Engineering
PSG College of Technology, Coimbatore - 641 004.

&

M/s. Janatics India Private Limited, Coimbatore - 641 021.

PROGRAMME CONTENTS

- Introduction to low cost automation
- Elements and graphical symbols of pneumatic and electro pneumatic systems
- Types of sensors used in pneumatic systems
- Design of sequential circuits
- Electrical control circuits
- Role of PLC in pneumatic automation
- Role of software in pneumatic circuit design
- Maintenance and troubleshooting pneumatic circuits

PROGRAMME OUTCOMES

- Identify and explain graphical symbols for pneumatic and electro-pneumatic components.
- Identify and describe the construction, design features, and operation of pneumatic and electro-pneumatic components.
- Interpret technical specifications and data relating to pneumatic and electro-pneumatic components and systems.
- Design, assemble, and test basic pneumatic and electro-pneumatic circuits and basic PLC based control circuits
- Maintain and troubleshoot electro-pneumatic components and its basic control systems and basic PLC based control sequences.
- Know the innovative development and current trends in automation products and their applications

PARTICIPANTS

Students and Faculty members from Engineering and Polytechnic colleges in the Faculty of Mechanical Sciences can apply for the program. The number of participants is restricted and the selection is on first come first serve basis.

RESOURCE PERSONS

Engineers from M/s Janatics India Private Limited and the faculty members from PSG College of Technology will conduct the sessions.

REGISTRATION

Filled up registration forms are to be submitted along with DD for registration fee of **Rs. 4720/-** (inclusive of taxes) per head drawn in favor of “**PSG CNCE**” payable at Coimbatore. Registration fee includes course material, lunch and refreshments. Participants have to arrange their own accommodation.

Short Term Course on Mechatronics for Industrial Automation

November 12 - 16, 2018

Registration Form*

Name in Block Letters :

Date of Birth and Age :

Gender :

Department :

Name of the College / Industry :

Address for Communication :

Mobile :

Email id :

DD No & Date :

Bank :

Amount : **Rs. 4720/- (Four Thousand Seven Hundred Twenty only)**

Declaration by the Candidate:

The information given is true to the best of my knowledge. I agree to abide the rules and regulations governing the workshop. If selected, I shall attend the workshop for entire duration.

Place :

Date :

Signature of the Applicant

* Photo copies of the form can be used for registration

All communications will be made through e-mail only.