

DECLARATION

The above information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the course. If selected, I shall attend the course for the entire duration. I also under take the responsibility to inform the coordinator in case I am unable to attend the course.

Place :

Date :

Signature of the applicant

SPONSORSHIP CERTIFICATE

Mr/Ms _____
_____ is an employee / Student of our Institute / Organization and is here by sponsored by us. He/She will be permitted to attend the course, if selected.

Office Seal

Signature of
the sponsoring authority

Place :

Date :

Application form completed in all respects is to be sent to:

T.Mohanraj

Assistant Professor,

Department of Mechatronics engineering,
School of Building and Mechanical Sciences,

Kongu Engineering College

Perundurai, Erode - 638052, Tamilnadu.

Ph: 9842581696, Tel: 04294 -226709

E-mail : tmohanrajmts@yahoo.co.in

mohanraj@kongu.ac.in

ABOUT THE COLLEGE

Kongu Engineering College established in 1984, approved by AICTE, New Delhi, accredited by NAAC for 5 years with the grade of "A" and an autonomous institution affiliated to Anna University Chennai, has completed 31 years of dedicated and excellent service in the field of technical education. The college offers 14 UG, 19 PG and 16 research programmes in Engineering and Applied Sciences. It is one of the best self financing engineering colleges imparting high quality technical education in Tamil Nadu, India, and is well-known for its technical excellence, modern facilities, record of performance with excellent results and enterprising students. Ranked 2nd Position in Tamilnadu and 26th Position in India among Engineering Institutes in India (including IITs and NITs) by CSR Magazine. Ranked 1st Position in Tamilnadu and 39th position at all India level by "Outlook" magazine, 3rd Position in Tamilnadu and 32nd Position in private Engineering colleges in India by "The Week" Magazine. Ranked 1st position in Tamilnadu and 46th position in private Engineering colleges in India by NIRF ranking. It has an active Industry-Institute Partnership (IIP) Cell to interact with industries. Received Sustainable Institute Industry Partnership Award consecutively for two years (2014 & 2015) from the Institution in Society for Educational and Entrepreneurship Development, Chennai. It has got NBA accreditation for most of the UG programmes and is an ISO certified institution. It has also got the Best Engineering College award and the Best Principal Award from ISTE. It has established a Technology Business Incubator (TBI) supported by the Department of Science and Technology, Government of India, and won the National Award presented by the President of India on Technology Day in New Delhi. Its Entrepreneurship Management Development Cell won Best E-Cell, Entrepreneurship Eco System Builder Award 2015 from Ministry of Skill Development and Entrepreneurship at New Delhi, India.

ABOUT THE FLUID POWER LABORATORY

Fluid Power Laboratory of Mechatronics Engineering is established in the year of 2001. The Fluid Power lab is equipped with Janatics Made Pneumatic Trainer Kits, Festo Made Electro Pneumatic Trainer Kits, Simulation Software Automation Studio V5.6, Fluidsim P; Mansco made Hydraulic Trainer Kit, Hydrosmith made Proportional Hydraulic Trainer Kit. The total cost of the equipments in the Lab is around Rs.40 Lakhs. The Laboratory has developed 60 low cost automation projects, undertaken 15 consultancy works and 4 research works in the last 15 years.

ABOUT THE LOCATION

The college is situated at Perundurai on the National highway (NH 47) about 80 Kilometers from Coimbatore and 20 Kilometers from Erode. It is well connected by road & rail.

KONGU ENGINEERING COLLEGE

(Autonomous)

PERUNDURAI ERODE 638052 TAMILNADU

Hands on Training

On

**“MODERN PNEUMATICS
CONTROL”**

30.09.2016

Co-ordinators

Mr. A.Tony Thomas

Mr.T.Mohanraj

Ms.T.Tamilarasi



Estd : 1984

Organized by



**Department of Mechatronics Engineering
School of Building and Mechanical Sciences**

KONGU ENGINEERING COLLEGE

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Website: www.kongu.ac.in



INTRODUCTION

In its present day form of industrial usage, pneumatics is a relatively young progeny of technology, gaining traction in the late 18th century although it had been used in simpler devices for many centuries before that. It has since evolved into an extensive and successful branch of engineering. A diversified line of pneumatic equipment of a mature engineering standard is already on the market and can be expected to grow further in size and efficiency in the future. Repeated releases of equipment with newer features and newer application areas demonstrate the continuous growth in the field of pneumatics.

The main objective of the program is to expose participants to pneumatic components, circuit diagrams and systems. Educating people to properly use pneumatic power is crucial for the economical use of energy. The three aspects having a vital bearing on the efficient use of pneumatic power are: proper designing of pneumatic circuits and selection of appropriate components for pneumatic system design. This workshop aims to cover the design and operation of pneumatics devices. It has been designed to make new user feel at ease while trying to understand the 'why' and 'how' of the operating principles of pneumatic and electro pneumatic equipment and their control aspects including electro pneumatic based controls.

COURSE CONTENTS

- ✓ Introduction to Low Cost Automation
- ✓ Pneumatic valves and actuators
- ✓ Design of Single Cylinder Electro pneumatic circuit
- ✓ Design of Multi Cylinder Electro pneumatic circuit
- ✓ Design of time and event based Electro Pneumatic Circuits
- ✓ Hands on training exercises
- ✓ Simulation of Single Cylinder Electro pneumatic circuits
- ✓ Simulation of Logics based Electro Pneumatics Circuits

FACULTY

Theoretical and Practical sessions will be handled by experienced academicians from Kongu Engineering College

ELIGIBILITY

Students from AICTE approved Engineering colleges with Mechanical/Mechatronics/Aeronautics /EEE/EIE and Polytechnic colleges with relevant basic knowledge.

BOARDING AND LODGING

The candidates are requested to make boarding and lodging on their own arrangement.

REGISTRATION DETAILS

- ✓ Registration Fee: Rs. 800 + Service tax* @15%
*(Service tax of Rs 120/- is to be paid in cash at the time of registration)
- ✓ The registration fee includes Course materials, lunch, Refreshment and Certificate.
- ✓ Demand Draft for the registration fee payable at Perundurai must be drawn in favour of **“IIP Cell grant-in-aid A/C”, Kongu Engineering College, Perundurai, Erode – 52**

HOW TO APPLY

- ✓ The applicants should send their applications in the specified format on or before 22.09.2016.
- ✓ Registration will be made based on first come first serve basis.
- ✓ Number of participants is limited to 45 for the course
- ✓ Intimation only through E-mail for selected participants

SCHEDULED DATES

Last date for receipt of Application : 22.09.2016
Intimation of selection : 24.09.2016
Confirmation by Participants : 26.09.2016

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PERUNDURAI ERODE 638052, TAMILNADU

Hands on Training
On
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30.09.2016

APPLICATION FORM

Name :
Age :
Department :
Organization :

Address for
Communication :
(With telephone no.
& E-mail ID)

DD Details
DD No. :
DD Date :
Bank name:

Need accommodation: Yes / No

(Note: Payable accommodation at nominal cost will be provided in the college hostel to the participants)

