

ABOUT THE COLLEGE

Ramco Institute of Technology was founded by its Founder Chairman Shri P.R.Ramasubrahmaneya Rajha in the year 2013 with a vision to impart high quality engineering education. Following his footsteps, our current Chairman Shri. P.R.Venkatarama Raja has revolutionized the learning environment by encouraging Faculty and students to pursue online courses from prominent foreign universities. His motivation has resulted in carrying out inter-disciplinary projects with a view of creating Innovation Hub and Research Laboratories in tie-up with Multinational Corporates. The college emulates IIT system of education thereby ensuring high quality teaching by well-experienced faculty who are facilitated with Smart classrooms, Research Laboratories, E-learning Modules etc. The college is situated at the foothills of Western Ghats, 5 Km from Rajapalayam well-qualified and experienced faculty members, e-learning modules with smart classrooms, emulating IIT system of education.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering was established in the year 2013. The department is having an excellent teaching-learning environment with modern state-of-the-art facilities and well-experienced faculty members with expertise over a wide range of specializations. At present, it offers B.E. in Mechanical Engineering with a sanctioned intake of 120 students. The Department has RIT-Harita Advanced Learning Centre for CATIA® and NX CAD® software's. The vision of the department is "To be recognized nationally for its quality education, research and extension programs in Mechanical Engineering."

ABOUT MECHATRONICS LABORATORY

The department has a well-established Mechatronics Laboratory over an area of 157 Sq.m. This laboratory has established with an objective to gain practical experience in automation field. Mechatronics Lab has equipped with 21 high end latest Configuration Computer Systems. Mechatronics lab is equipped with Pneumatic trainer kits along with Electro Pneumatic, PLC (supplied by FESTO India), Basic Hydraulic Trainer kit, Pressure, Temperature and Flow type transducers, 8085 microprocessor kits, 8051 microcontroller kits with various interface, image processing setup. The Software available in Mechatronics lab is FLUIDSIM 5 (Pneumatics), FLUIDSIM 5 (Hydraulics), Codesys V2.3, Sudosu and CIROS software's. Also, the Laboratory facilitate the students to do simulation based experiments assignment and their projects with the aid of Easy Port Trainer Kit and CIROS simulation software packages.

WORKSHOP OBJECTIVE

The Primary objective of this workshop is to provide opportunity for the students to enrich their knowledge in the "Pneumatics and Automation" area and also to do their projects work in more effective manner.

PROGRAMME CONTENTS

The following Topics will be covered

- * Introduction to Pneumatics and Automation
- * Components and functions of Pneumatics systems
- * Symbols of Pneumatic Circuits
- * Introduction to Electro pneumatics systems.
- * Introduction to PLC Programming
- * Design of Electro Pneumatics and PLC Systems.
- * Awareness on India Skills- Mechatronics competition.
- * Online MCQ Test and Task is given to the participants

A TWO DAY STATE LEVEL WORKSHOP CUM COMPETITION ON PNEUMATICS AND AUTOMATION

01-02, February 2019

Organized by



**Department of Mechanical Engineering
RAMCO INSTITUTE OF TECHNOLOGY**
(AN ISO 9001:2015 CERTIFIED INSTITUTION)

North Venganallur Village

Rajapalayam - 626 117

Tel: +91 4563 233400, 233415

Website : www.ritrjpm.ac.in

Target Audience

- * The workshop is open for students from Mechanical, Mechatronics, ECE, EEE and relevant fields.

Payment details

- * Registration fee of Rs.400 Per Participant
- * Participants are requested to pay the amount to the following account
Account Number: 104801000036500
Beneficiary Name: Ramco Institute of Technology
Bank and Branch Details: Indian Overseas Bank,
Rajapalayam
Account Type: Savings
IFSC Code: IOBA0001048
MICR Code: 626020102

General Guidelines

- * Students should form a team of 2 members and bring Laptop per team for simulating the software's.
- * Selected participants will be intimated through e-mail only.
- * Tea and Working Lunch will be provided
- * Students should arrange their own accommodation during the workshop
- * Certificates will be issued to candidates who attend the workshop and complete the task successfully.
- * Soft copy of the filled-in application can also be e-mailed to valaiganesh@ritrjpm.ac.in and selvasundar@ritrjpm.ac.in

Resource Persons

- * Experts from leading institutions, Industries and Faculties from RIT

College Location Scan here:



RAMCO INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING
A TWO DAY STATE LEVEL WORKSHOP CUM
COMPETITION ON
PNEUMATICS AND AUTOMATION
01 - 02 FEBURARY 2019
REGISTRATION FORM

Team Name:	
S.No	Team Members

Department:

Institution:

Year of Study:

Address for Communication:

Contact No.:

E-mail ID:

UTR Number:
(Payment Reference Number)

I hereby declare that the above furnished information is true to the best of my knowledge, and I will abide by the rules and regulations governing workshop in time. If Selected, I will attend the program in full. I also undertake the responsibility to inform the Coordinator well-in advance in case of inability to attend the program.

Signature of the participant with Date

Forwarded and Recommended

Signature & Seal of the Sponsoring Authority

ORGANIZING COMMITTEE

CHIEF PATRON:

Shri Mr.P.R.Venketrama Raja
Chairman, Ramco Group

CHAIR:

Dr.N.Jawahar
Principal
Ramco Institute of Technology

CONVENER:

Dr.S.Rajakarunakaran
Professor & Head
Department of Mechanical Engg.,

Co-ordinators:

Mr. S.Valai Ganesh
Assistant Professor / MECH
Ramco Institute of Technology
Contact Number: 9043489697

Mr. T.Selvasundar
Assistant Professor / MECH
Ramco Institute of Technology
Contact Number: 9791700234

Venue:

Mechatronics Laboratory
Department of Mechanical Engg.,

IMPORTANT DATES:

Submission of Application : 25.01.2019
Intimation of Selection : 28.01.2019
(by E-mail to the individuals)
Confirmation by Participants : 29.01.2019