

ABOUT THE INSTITUTION

Velammal Engineering College (VEC) is chaired by dynamic Shri. M. V. Muthuramalingam, a professional engineer and proven personality with hands on experience in imparting perfect education through 33 educational institutions belonging to Velammal Educational Trust which was established in 1986. VEC is approved by All India Council for Technical Education (AICTE) and is affiliated to Anna University, Chennai. It is an ISO 9001:2008 certified institution and is also accredited by NAAC. VEC is one among the top 10 self – Financing Engineering institutions in Tamil Nadu. VEC is recognized as a nodal center under TIFAC-CORE, DST, New Delhi. MOUs are signed with reputed organizations in India and abroad. Presently, VEC offers 8 Under Graduate Program and 3 Post Graduate Programs in various branches of Engineering and Technology.



ABOUT THE DEPARTMENT

The Department of Electronics and Instrumentation Engineering was established in the year 2002. It offers under graduate program in Electronics and Instrumentation Engineering and is accredited by National Board of Accreditation. The department caters to the ever challenging needs of technical excellence in all areas of Instrumentation and Process Control Engineering. The department is equipped with Virtual Instrumentation centre and advanced laboratories like Process Control Laboratory, Industrial Automation Laboratory etc. VEC-NI Virtual Instrumentation centre is a collaborative centre started in year 2010 by VEC and National Instruments, USA.



CONFERENCE SCOPE

Innovation is the true source of value. Over the past few decades, innovation and technology have given industrial automation new surges of growth. Industrial Automation will generate explosive growth with technology related to sensors, intelligent robots and sophisticated machines etc. Since the remote controlled automation is making headway in manufacturing settings and maintenance applications, communication support of a very high order is available for automated processes.

All accepted papers will be published in the conference proceedings. The accepted papers can also be published in the following Journal based on authors consent with additional charges.

Journal Name	Charge
International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	Rs. 600/-

The conference topics included but not limited to the following broad areas:

Linear / Nonlinear control	Adaptive & Optimal control
Network based control	Model predictive control
Intelligent control	Wireless sensor networking
VLSI design	Embedded systems
Microprocessor based control	Image and signal processing
Navigation control and algorithm	Robotics and Communication
MEMS and NANO sensor	Sensor fusion and optical sensor
Biometric sensor	Medical system and control
IoT and big data	Cloud computing
Mechatronics	Deep learning

6th National Conference on TRENDS IN INSTRUMENTATION AND AUTOMATION (NCTIA-2018) 28th of March 2018

Registration Form

Dr./Prof./Mr./Ms. :

Designation :

Organization :

Address :

Telephone/Mobile :

Gender : Male [] Female []

Details of registration fee

DD No :

Dated :

Amount :

Bank name :

Need accommodation : Yes[] No[]

Signature of the candidate _____

Signature of the head of the institution (with seal) _____

Note: Photo copies of the registration forms can also be used in case of necessity. Separate registration forms must be submitted in case multiple authors intend to attend the conference

GUIDELINES FOR SUBMISSION

Paper should be in single column format, not exceeding 6 pages.

Important dates

First draft submission : 01.03.2018
Acceptance notification : 10.03.2018
Camera ready submission : 13.03.2018
Last date for registration : 23.03.2018

Registration Fee

Delegates from Academic / R&D Institutions and Industries : Rs. 750/-
Research scholars / Student : Rs. 500/-
Co-Author Participation : Rs. 250/-

DD should be drawn in favour of "The Principal, Velammal Engineering College, Chennai", payable at Chennai.

At least one of the authors should register for the conference on or before **23rd March 2018** in order to include the paper in the conference proceedings.

PRE-CONFERENCE WORKSHOP

A Pre-Conference workshop with Hands on training on "IoT based control of Real Time Applications" will be held on 27th of March 2018. Registration fee is Rs. 900/- per team of maximum 3 members. Each team will be provided with a ESP 8266 Wi-Fi based controller take home kit.

Workshop Content

- Real time interfacing of Sensors with ESP-8266
- Wi-Fi protocols
- Monitoring and Controlling of appliances through IoT

Address for Communication

The Coordinator
NCTIA-2018
Department of Electronics and
Instrumentation Engineering,
Velammal Engineering College,
NewGen Park,
Ambattur - Red hills road
Chennai-600 066, Tamil Nadu,
INDIA.
E-mail: nctia2018@gmail.com
Website: www.velammal.edu.in

ADVISORY COMMITTEE

Dr. M. Chidambaram, Professor, IIT Madras.
Dr. T. Thyagarajan, Director, Anna university.
Dr. S. Asokan, Indian Institute of Science, Bangalore.
Dr. T. K. Radha Krishnan, Professor, NIT, Trichy.
Dr. Ajith Kumar Panda, Professor. NIST, Odisha.
Dr. N. Pappa, Associate Professor, MIT, Chennai.
Dr. J. Prakash, Professor & Head, MIT, Chennai.
Dr. P. Lakshmi, Professor, Anna university.
Dr. V. I. George, Professor & Head, MIT Manipal.
Dr. A. Balaji Ganesh, Professor, Dept. of EEE, VEC, Chennai.

CONFERENCE ORGANIZATION

CHIEF PATRON: Shri. M.V. Muthuramalingam
Chairman, Velammal Educational Trust.

PATRONS: Shri. M. V. M. Velmurugan
CEO, Velammal Educational Trust.

Dr. M. Balasubramanian
Advisor, Velammal Engineering College.

CO-PATRON: Dr. N. Duraipandian
Principal, Velammal Engineering College.

CONVENER

Dr. V. R. Ravi
Professor & Head
Department of EIE

COORDINATORS

Mr. C. V. Dayakar / Asst. Professor
Mr. S. N. Sivaraj / Asst. Professor

ORGANIZING COMMITTEE

Dr. C. Murukesh	Assoc. Professor
Mrs. Z. Brijet	Asst. Professor
Mr. K.V. Kandasamy	Asst. Professor
Mrs. A .Lakshmi Sangeetha	Asst. Professor
Mr. B. Raj Narain	Asst. Professor
Mrs. S.Anusankari	Asst. Professor
Mrs.K.Sudha	Asst. Professor
Mrs. S. Padma	Asst. Professor
Ms. P.U. Ilavarasi	Asst. Professor

6th National Conference on TRENDS IN INSTRUMENTATION AND AUTOMATION (NCTIA - 2018) 28th of March 2018



Organized by

**Department of Electronics &
Instrumentation Engineering**

**Velammal Engineering College
Chennai – 600 066**

E-mail: nctia2018@gmail.com
Website: www.velammal.edu.in