

## 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 Tamilnadu. 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.



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## 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.



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## 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. Today's engineers have to keep abreast of these emerging trends through research and development. This conference will bring academicians, research scholars and industrialists together to exchange their ideas and present their research findings in the area of Control, Automation and Instrumentation.

***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

## 6<sup>th</sup> National Conference on **TRENDS IN INSTRUMENTATION AND AUTOMATION (NCTIA-2018)** 29<sup>th</sup> 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 standard two columns IEEE format, limited to a maximum of 5 pages, including figures and tables.

### Important dates

**First draft submission** : 09.03.2018  
**Acceptance notification** : 16.03.2018  
**Camera ready submission** : 22.03.2018

### Registration Fee

**Delegates from Academic/ R& D Institutions and Industries** : Rs. 1000  
**Research scholars/ Students** : Rs. 600

**DD should be drawn in favour of "Velammal Engineering College - PRJ", payable at Chennai.**

At least one of the authors should register for the conference on or before **26<sup>th</sup> March 2018** in order to include the paper in the conference proceedings.

### Address for Communication

The Coordinator  
NCTIA-2018  
Department of Electronics and Instrumentation Engineering,  
Velammal Engineering College,  
NewGen Park,  
Ambattur - Red hills road  
Chennai-600066, Tamilnadu, INDIA.  
E-mail: nctia2018@gmail.com  
Website: www.velammal.edu.in  
Contact no: 9566038830 / 9944238133

## ADVISORY COMMITTEE

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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

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**Mr. S. N. Sivaraj** / Asst. Professor

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## 6<sup>th</sup> National Conference on TRENDS IN INSTRUMENTATION AND AUTOMATION (NCTIA - 2018)



29<sup>th</sup> 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