

ABOUT THE INSTITUTION

Velammal Engineering College is chaired by dynamic Shri. M. V. Muthuramalingam, a Professional Engineer and proven personality with hands on experience in imparting perfect education through 59 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 centre under TIFAC-CORE, DST. Presently, VEC offers 9 UG Programs and 3 PG 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 UG Program in Electronics and Instrumentation Engineering and it is accredited by NBA. The department has experienced faculty members of whom 4 are doctorates, 5 of them are pursuing Ph.D. and remaining 2 are Post Graduates. Our Faculty members have completed DST / AICTE funded research projects worth of Rs 1.45 Crore and currently Rs.21.7 Lakh worth of research projects are being carried out. Our faculty members have completed Rs.13.06 Lakh worth of consultancy projects. VEC-NI Virtual Instrumentation Centre is a collaborative Centre of excellence started in year 2010 by Velammal Engineering College and National Instruments, Bangalore which is the second Centre in India in the field of Virtual Instrumentation. In 2017, our students have completed 3 innovative projects (each worth of Rs.2.5 Lakh) sponsored by DST, New Delhi. In 2018, 4 of our student's Innovative projects are selected for funding by DST, New Delhi.

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 selected papers can also be published in the following Journal with **free of cost (Publishing India)** based on the review process and with respective Editor's approval.

- Journal of Network and Information Security
- Journal of Applied Information Science
- International Journal of Knowledge Based Computer System
- International Journal of System & Software Engineering

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

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

7th National Conference on RECENT TRENDS IN INSTRUMENTATION AND AUTOMATION (NCTIA - 2019)

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)

GUIDELINES FOR SUBMISSION

Paper should be submitted as per IEEE reference format, not exceeding 8 pages.

IMPORTANT DATES

First draft submission : 08.03.2019
Acceptance notification : 15.03.2019
Camera ready submission : 22.03.2019

REGISTRATION FEE

Delegates from Academic : Rs.750/-
Industries : Rs.1000/-
Research scholars / Student : Rs.500/-
Co-Author Participation : Rs.250/-

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

At least one of the authors should register for the conference on or before 29th of March 2019 in order to include the paper in the conference proceedings.

PRE-CONFERENCE WORKSHOP

A Pre-Conference workshop on "A Quick kick start of STM32 ARM Microcontroller with hands on experience" will be held on 28th of March 2019. Registration fee is Rs. 500/-. Each person will be provided with material, tutorial and other supporting software.

WORKSHOP CONTENT

- Introduction to STM32 ARM Microcontroller.
- How to write basic ARM Program with examples
- Basic application and sensor interfacing program using mbed online Compiler.

Address for Communication

The Coordinator - NCTIA-2019
Department of Electronics and
Instrumentation Engineering,
Velammal Engineering College,
NewGen Park, Ambattur - Red hills road
Chennai-600 066, Tamil Nadu, INDIA.
E-mail: eie.nctia2019@gmail.com
Contact no: 98848 70105/ 98411 16128

ADVISORY COMMITTEE

Dr. M. Chidambaram, Professor, IIT Madras.
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Dr. A. Balaji Ganesh, Professor, VEC, Chennai.

CONFERENCE ORGANIZATION

CHIEF PATRON

Shri. M.V. Muthuramalingam
Chairman, Velammal Educational Trust.

PATRONS

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CEO, Velammal Educational Trust.

Dr. M. Balasubramanian
Advisor, Velammal Engineering College.

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Principal, Velammal Engineering College.

Dr. B. Venkatalakshmi
Vice-Principal, Velammal Engineering College.

CONVENER

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

COORDINATORS

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Mr. B. Raj Narain / Asst. Professor

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Ms. P.U. Ilavarasi	-	Asst. Professor

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29th of March 2019

Organized by



Department of Electronics &
Instrumentation Engineering,
Velammal Engineering College,
Velammal NewGen Park,
Ambattur - Redhills road.
Chennai, Tamil Nadu, India - 600 066.
E-mail: eie.nctia2019@gmail.com.
Website: www.velammal.edu.in
Ph: 044 - 39666005, 39666006
Fax No: 044 - 2659 1771