

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 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. MOUs are signed with reputed organizations in India and abroad. 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 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 center and advanced laboratories like Process Control Laboratory, Industrial Automation Laboratory etc. VEC-NI Virtual Instrumentation center is a collaborative center started in year 2010 by Velammal Engineering College and National

Instruments, USA which is the second center in India in the field of Virtual Instrumentation. Department has consistent placement record since the inception.

CHIEF PATRON

SHRI. M. V. MUTHURAMALINGAM,
CHAIRMAN, VET.

SHRI. M. V. M. VELMURUGAN, CEO, VET.

CO-PATRON

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Dr. V. R. RAVI, HOD/EIE, VEC.

Dr. C. MURUKESH, ASSOC. PROFESSOR, VEC.

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BRNS Sponsored Two Day National Workshop on Internet of Things (IoT) for Industrial Applications



19th & 20th January, 2018

CONVENER

Dr. V. R. RAVI

PROFESSOR & HEAD

Dr. C. MURUKESH,

ASSOCIATE PROFESSOR

Organized by



**Department of Electronics &
Instrumentation Engineering,
Velammal Engineering College,
Ambathur - Redhills Road, Surapet,
Chennai-600066, Tamilnadu.**

Contact: 044-3966 6014

Fax: 044-2659 1771

www.velammal.edu.in

ABOUT THE WORKSHOP

The Internet of Things (IoT) is the network of physical objects or "things" embedded with electronics, software, sensors and network connectivity, which enables these objects to collect and exchange data. The IoT allows objects to be sensed and controlled remotely across existing network infrastructure, creating opportunities for more direct integration between physical world and computer-based systems, and resulting in improved efficiency, accuracy and economic benefit. Each thing is uniquely identifiable through its embedded computing system but it is able to interoperate within the existing internet infrastructure. It is estimated that the IoT will consist of almost 50 billion objects by 2020. The IoT industry is expected to explore to a worth of \$19 trillion.

Quite a few IoT applications are being developed and/or deployed in various industries including environmental monitoring, healthcare services, inventory and production management, food supply chain (FSC), transportation, workplace and home support, security and surveillance. This technique will improve public safety, intelligent tracking in transportation, industrial wireless automation, Machine to Machine communication and personal health monitoring in healthcare with better information and faster communications. This workshop focuses on the state of the art research, development, issues related to IoT.

Who Should Attend?

It is ideally suited for Research Scholars, aspiring faculty and industry personnel.

TOPICS TO BE COVERED

- Current trends in IoT Technology
Dr. Vijayarajeswarn M.D, VI Microsystem.
- IoT for Manufacturing Applications
Dr.Sivasrinivasu Devadula, Asst Professor, IITM.
- IoT Securities
Mr.M.Thirumalai Kumar, Manager, Siemens Ltd.
- Design of Industrial IoT Applications using Open CPU
- Practical Session on IoT Protocols (TCP-IP/UDP-IP & MQTT), 2G & 3G Applications
Mr. R. Balaji, iELECTRON Technolgies.

REGISTRATION FEE

DAE Delegates :Free
Academicians & Research Scholars :Rs 500/-
R&D and Industry personnel :Rs 1000/-
DD should be drawn in favor of :
"Velammal Engineering College PRJ",
payable at Chennai.

IMPORTANT DATES

Last date for submission of Registration Form : **12.01.2018**
Intimation of selection : **13.01.2018**
Confirmation by participant : **17.01.2018**

ADDRESS FOR COMMUNICATION

Please send completed registration form(s) both soft & hard copy along with the DD to:

The Convener,
Department of EIE,
Velammal Engineering College,
Ambathur - Redhills Road,
Surapet, Chennai - 600066
Ph: 044-39666014, +91-9600181628
Mail Id: **veceiefdtp@gmail.com**

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REGISTRATION FORM

1. Name
2. Gender
3. Qualification
4. Designation/
Department
5. Name of the institution
6. Teaching/Research/
Industry experience
7. Address for communication

- Email _____
- Mobile _____
8. Payment details
9. DD No. _____ Date:
10. Name of the Bank:

Place:

Date:

Signature

DECLARATION

This is to certify that Dr. / Mr. / Mrs.
_____ is an
employee of our organization and is
sponsored to attend this workshop.

Signature of the Head of the Organization
With office seal & date