

Two day National Workshop on "A Revolutionary Technology - IoT Applications in Electrical and Electronics Engineering"



Catalyzed and Financially Supported by
**TAMILNADU STATE COUNCIL FOR SCIENCE
AND TECHNOLOGY**

Department of Higher Education,
Government of Tamilnadu

3rd & 4th January 2019

COORDINATORS

**Dr. KR.Santha, Vice Principal,
Professor & Head / EEE**

Dr.C.Gopinath,

Associate Professor / EEE

Mr.M.Rajvikram, Asst.Professor / EEE

**Department of Electrical & Electronics
Engineering
Sri Venkateswara College of Engineering
(An Autonomous Institution Affiliated to Anna
University, Chennai)**

Pennalur, Sriperumbudur-602 117
Tamil Nadu,
Phone No: 044-27152000, Extn-251
www.svce.ac.in

ABOUT THE COLLEGE

Sri Venkateswara College of Engineering (SVCE), a premier self-financing engineering college was started in the year 1985 and is managed by Sri Venkateswara Educational and Health Trust. The college conducts 10 B.E / B.Tech Degree Courses, 10 PG Courses in Engineering. 11 research centers approved by Anna University cater to MS(by Research) and PhD programmes. The courses are approved by AICTE and affiliated to Anna University, Chennai. The college attained autonomous status in 2016.



The college is accredited by National Assessment and Accreditation Council (NAAC). The college is situated in serene environment about 37 Kms from Chennai and situated on Chennai – Bangalore National Highway (NH4) at Pennalur, Sriperumbudur, in Kanchipuram district.

ABOUT THE DEPARTMENT

The Department of EEE was started in the year 1994. The post graduate program (M.E) in Power Electronics and Drives was started in 2002. The Department has secured permanent affiliation with Anna University and Accredited for five years by NBA. The Department has well equipped state –of- the- art laboratories and recognized as a research centre by Anna University. The Department has well qualified and experienced faculty and staff members of proven ability and profound skills. There are 33 faculty members in the department, out of which 8 of them PhD holders, 20 of them pursuing their PhD. More than 25 research scholars have registered to pursue their PhD in the department.

ABOUT THE WORKSHOP

Internet of Things (IoT) applications extends from Agriculture, Energy system, Manufacturing Technologies, Remote sensing, Remote monitoring, Smart connected homes and Wearable's to Healthcare. In fact, IoT is slowly becoming part of every aspect of our lives. IoT applications not only enhance our comfort, but also it give us more control to simplify routine work related problems and personal tasks.

The existing automated system has limited number of tasks and also it is time consuming. In order to overcome such issues, IoT plays the vital role. The smart connectivity with existing networks through IoT results in ubiquitous, computer sense information without the aid of human intervention. The application of IoT provides the communication, control, connection and smart networking between various devices. It also provides a forum for industry and institute, which will help to identify emerging areas and to develop new applications and to improve the curriculum development process and quality of teaching.

This Workshop aims at providing a common platform across the stake holders in power industry, professionals, academicians, researchers and industrialists to share their knowledge and ideas in IoT technologies and to create a synergy among professionals.

This workshop provides a platform for identifying the innovative ideas from IoT Technologies and render solutions for:

- Agricultural Processes
- Electrical industries
- Grid Synchronisation
- Biomedical Fields

- Nanoelectronics
- Green energy
- Cyber security for smart grids

ELIGIBILITY

Faculty members, Research scholars, UG / PG students and Industry participants who wish to improve their research horizons in the field of Internet of Things can attend this workshop.

RESOURCE PERSONS

Sessions will be handled by eminent experts

1. Dr. R. Ramesh

Professor / EEE

CEG Campus, Anna University

2. Sri. S. Selvakumar

Lead Engineer - Micro Grid & Distributed Generation, ABB GISL, Chennai

3. Mr. P. Sundar

Infrastructure Architect

IBM India Pvt Ltd, Chennai

4. Dr. B. Chitti Babu

Dept. of Electronics Engineering,

Indian Institute of

Information Technology, Design

and Manufacturing, Chennai

PROGRAMME COMMITTEE

PATRON

Prof.S.Ganesh Vaidyanathan, Principal, SVCE

COORDINATORS

Prof. KR.Santha, Vice Principal, Prof & Head / EEE

Dr. C.Gopinath, Associate Professor / EEE

Mr.M.Rajvikram, Asst.Professor / EEE

ADVISORY COMMITTEE

Prof. K. Shanthi Swarup, IIT Madras

Prof. Ahmed Zobaa, BU, London

Prof. Vigna Kumaran, UTN, Malaysia

Prof. Vaidehi Vijayakumar, VIT-Chennai

Prof.S.Chandramohan, Prof & Head, AU, Chennai

Sri. S.Kailash, C-DAC, Chennai

IMPORTANT DATES

Last date of Registration 29/12/2018

Intimation of Selection 31/12/2018

(Through E-mail)

REGISTRATION FEES

The interested participants can fill up the registration form and send it along with the registration fee. The registration fee is to be paid by **Demand Draft** drawn in favor of **"THE PRINCIPAL, SRI VENKATESWARA COLLEGE OF ENGINEERING"**, payable at **Sriperumbudur**. The different categories of participants and corresponding registration fee are given below:

Category of Participant	Registration fee
UG / PG Scholars	Rs.400
Academicians / Research Scholars	Rs.500
Industrial Participants	Rs.750

The duly filled in application form is to be sent to

Dr.KR.Santha

Vice Principal, Prof & Head / EEE

Department of EEE,

Sri Venkateswara College of Engineering,

Pennalur, Sriperumbudur- 602117

Phone No: 044-27152000, Extn-251,264

Cell No: 9790889777, 9443642731

E-mail: svceeeeiot@gmail.com

Sri Venkateswara

College of Engineering

(An Autonomous Institution Affiliated to Anna University, Chennai)

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"A Revolutionary Technology - IoT Applications in Electrical and Electronics Engineering"

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TNSCST, Department of Higher Education,

Government of Tamilnadu

3rd & 4th January 2019

Registration Form

Name:

Qualification:

Designation & Dept.:

Name of the Institution:

Address for correspondence:

E-mail:

Phone No/ Mobile No:

Details of Registration Fee:

Amount: DD No: Date:

Name of the Issuing Bank:

Signature of Applicant Signature of Sponsoring

Authority with seal

SRI VENKATESHWARA COLLEGE OF ENGINEERING

Department of Electrical and Electronics Engineering

TNSCST Sponsored

Two days National Workshop on

"A Revolutionary Technology -- IoT Applications in Electrical and Electronics Engineering"

A Report

The Department of Electrical and Electronics Engineering organized **TNSCST Sponsored National level Two days Workshop On "A Revolutionary Technology – IoT Applications in Electrical and Electronics Engineering"** on **January 3rd and 4th, 2019**. The Programme was inaugurated by Dr. KR. Santha, Vice Principal, Professor and Head, Department of Electrical and Electronics Engineering, Sri Venkateswara College of Engineering. Dr. C.Gopinath, Associate Professor, EEE welcomed all the participants, chief guest and delivered welcome address. Chief Guest for the workshop was Dr. R. Ramesh, Professor, Department of Electrical and Electronics Engineering, CEG, Guindy Campus, Anna University, Chennai. He gave an introductory talk about how to carry out research. He shared his research experience along with a note on IoT.

The first session on "IoT aided Smart Grid" was handled by Dr. R. Ramesh, Professor, Department of Electrical and Electronics Engineering, CEG, Guindy Campus, Anna University, Chennai. The session opened with an introduction to IoT, Components of IoT, followed by Smart Grid involving IoT and its merits. The afternoon session was handled by Mr. S. Selvakumar, Lead Engineer-Micro Grid & Distributed Generation, ABB GISL, Chennai. He delivered a talk on IoT applications and also explained briefly on the differences between SCADA and IoT.

The second day of the workshop started with the third session delivered by Dr.R.Kannadasan, Assistant Professor, Department of Electrical and Electronics Engineering, Sri Venkateswara College of Engineering, Chennai. He delivered a talk on "IoT Applications in Power System" followed by another session delivered by Mr. P. Sundar, Infrastructure Architect, IBM India Pvt.Ltd, Chennai. He emphasized on "Cloud Computing & IoT". The final session was handled by Dr. B. Chitti Babu, Department of Electronics Engineering, Indian Institute of Information Technology, Design and Manufacturing, Chennai. His talk on "IoT in Electrical Energy Systems" was very informative. After the session Mr.M.Rajvikram Assistant professor, EEE had thanked all the audience, college management and TNSCST for having provided the sponsorship for conducting the workshop successfully. The workshop was winded up with the valedictory function by Dr. KR. Santha, Vice Principal, Professor and Head, Department of Electrical and Electronics Engineering, Sri Venkateswara College of Engineering.

Coordinators

K.R. Santh
29.1.19


K.R. Santh
29.1.19
HOD / EEE




FT/GN/48/01/10.06.15

SRI VENKATESWARA COLLEGE OF ENGINEERING
FEEDBACK FROM THE SPEAKER - GUEST LECTURE

DEPARTMENT :

Name of the Speaker	: Dr. R. RAMESH
Designation	: Professor
Institution/University/Organisation	: DFEF Anna University
Mobile / E-mail	: ramesh @ annauniv.edu
Title of the Lecture	: IoT aided Smart grid
Date	: 03.01.19
Time	: 10.30 am
Venue	: SCE
Comments by the Speaker	: - Arrangement was good. - Participants were more interesting - Had the interaction.
Suggestions for improvement	:
Signature of the Speaker	: 


Signature of Coordinator


Signature of HOD
4-1-19




SRI VENKATESWARA COLLEGE OF ENGINEERING
FEEDBACK FROM THE SPEAKER - GUEST LECTURE

DEPARTMENT :

Name of the Speaker	:	S SELVAKUMAR
Designation	:	LEAD ENGR
Institution/University/Organisation	:	ABB
Mobile / E-mail	:	94861 70489 / SELVASPECIAL @ GMAIL.COM
Title of the Lecture	:	IOT Application
Date	:	03.01.19
Time	:	1pm - 3pm
Venue	:	Auditorium
Comments by the Speaker	:	Great hospitality. Good interaction by participants.
Suggestions for improvement	:	
Signature of the Speaker	:	S. Selva



Signature of Coordinator


Signature of HOD

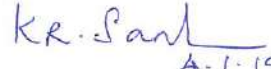


SRI VENKATESWARA COLLEGE OF ENGINEERING
FEEDBACK FROM THE SPEAKER - GUEST LECTURE

DEPARTMENT : FEE

Name of the Speaker	: P. SUNDAR
Designation	: Infrastructure Architect
Institution/University/Organisation	: IBM
Mobile / E-mail	: psundar@ibm.com
Title of the Lecture	: Cloud Computing & IoT
Date	: 4-1-2019
Time	: 10:30
Venue	: Seminar hall, Library
Comments by the Speaker	: Nice Venue and arrangements.
Suggestions for improvement	: All is well.
Signature of the Speaker	: 


Signature of Coordinator


4-1-19
Signature of HOD



SRI VENKATESWARA COLLEGE OF ENGINEERING

FEEDBACK FROM THE SPEAKER - GUEST LECTURE

DEPARTMENT

: EEE

Name of the Speaker : Dr. B- Chitti Babu

Designation : Asst. Professor

Institution/University/Organisation : IIITDM Kancheepuram

Mobile / E-mail : bcbabu@iiitdm.ac.in

Title of the Lecture : IoT applications in Energy systems

Date : 04/Jan/2019

Time : 2.15 pm

Venue : Auditorium, New library block

Comments by the Speaker :

very friendly environment
with good facilities.
good air system.

Suggestions for improvement : -

Signature of the Speaker

B. Chitti Babu
04/01/2019

Signature of Coordinator

K.R. Sarin
4.1.19

Signature of HOD

