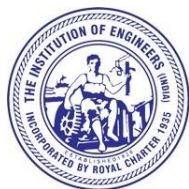


The Institution of Engineers (India)

SVCE EEE Student Chapter

Organizes

**One day Seminar on
"Smart-Micro-Nano Grid and its
Emerging Technologies"**



On

22nd February 2019

CONVENOR

Dr. KR. Santha,

Vice Principal, Professor & Head / EEE

COORDINATORS

Dr.K.B. Sudhakar,

Professor / EEE

Dr.S.G. Bharathidasan,

Asso. 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 SEMINAR

Smart Grid, A modernized grid that enables Bidirectional flows of energy and uses two-way communication and control capabilities that will lead to an array of new functionalities and applications. The Smart Grid will consists of controls, computers, automation and new technologies and equipment working together, but in this case, these technologies will work with the electrical grid to respond digitally to our quickly changing electric demand. Micro grid is a group of interconnected loads and distributed energy resources within clearly defined electrical boundaries that acts as single controllable entity with respect to grid. Nano Grids are small micro grids, serving a single load. It must have at least one load and one gateway to outside. The one of the main theme of seminar is on how to covert Micro and Nano Grids into Smarter ones. This Seminar 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 Smart-Micro Nano Grid and its emerging technologies and to create a synergy among professionals. This Seminar

provides a platform for identifying the innovative ideas from Smart-Micro Nano Grid Technologies and render solutions to enhance its capabilities.

ELIGIBILITY

Faculty members, Research scholars, UG / PG students and Industry participants who wish to improve their research horizons in the field of Micro and Smart Grids can attend this Seminar.

RESOURCE PERSONS

Sessions will be handled by eminent experts from **National institute of technology and CEG, Anna University and SVCE.**

PROGRAMME COMMITTEE

PATRON

Prof.S. Ganesh Vaidyanathan, Principal, SVCE

CONVENOR

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

COORDINATORS

Dr.K.B. Sudhakar, Professor / EEE

Dr.S.G. Bharathidasan, Asso. Professor/EEE

ADVISORY COMMITTEE

1.Dr.R.P. Kumudinidevi,

Professor, CEG, Anna University, Chennai.

2.Dr. M. Venkata Kirthiga, Associate Professor
National Institute Of Technology, Tiruchirappalli.

3. Dr. K. Rathnakannan Assistant Professor, CEG,
Anna University, Chennai.

4.Dr.V. Gomathi, Assistant Professor, CEG, Anna University, Chennai.

5.Dr.C. Christoper Asir Rajan Associate Professor,
Pondicherry Engineering College.

IMPORTANT DATES

Last date of Registration 20/02/2019

Intimation of Selection 21/02/2019

(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(IEI Members)	Rs.300
UG / PG Scholars	Rs.400
Academicians / Research Scholars	Rs.500

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-251,254

Email- **Dr. S.G.Bharathidasan** bharathi@svce.ac.in &

Dr.K.B. Sudhakar -sudhakar@svce.ac.in

Sri Venkateswara College of Engineering
(An autonomous institution affiliated to anna university,
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The Institution of Engineers (India)

SVCE EEE Student Chapter

One day Seminar on

**Smart-Micro-Nano Grid and its
Emerging Technologies**

22ndFebruary 2019

Registration Form

(Student/Faculty)

Name:

Qualification/Pursuing:

IEI Membership No (If Applicable):

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

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**SRI VENKATESWARA COLLEGE OF ENGINEERING
SRIPERUMBUDHUR**

Department of Electrical and Electronics Engineering

&

The Institution of Engineers (India), Kolkata

SVCE EEE Student Chapter,

Cordially invites you to the

One day Seminar on "Smart-Micro-Nano Grid and its Emerging Technologies"

By,

Dr.V.Gomathi,

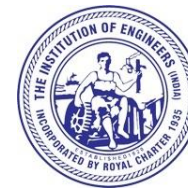
Power Systems Division, CEG Guindy, Anna University, Chennai-25.

Dr. M. Venkata Kirthiga,

Associate Professor National Institute Of Technology, Tiruchirappalli.

Friday, **22nd February 2019 at 9:00 am**

Venue: Biotech Conference Hall, SVCE.



Program Schedule

Date: Friday, 22nd Friday 2019

Time: 9:00 am - 3 pm

9:00 am- Prayer Song

9:03 am- Welcome Address by Dr.K.R. Santha, Vice Principal & HOD,EEE.

9:10 am- Introduction of Chief Guests by President,IEI SVCE EEE Student Chapter.

9:15 am-10:40 am-Lecture on Smart Grid Power Systems By Dr.V.Gomathi.

10:40 am-11:00 am-Tea Break

11:00 am-12:30 pm-Lecture on Smart Micro Grid By Dr.M.Venkata Kirthiga

12:30 pm-1:30 pm- Lunch

1:30 pm- 2:45 pm-Lecture on Nano Grid By Dr.S.G Bharathidasan & Dr K.B.Sudhakar

2:45 pm- 3:00 pm-Valedictory Function & National Anthem

IEI SVCE EEE STUDENT CHAPTER

TWO DAYS WORKSHOP ON Grid Stability with Distributed Generation-Advanced Ancillary Services

Name of the event: Two days workshop on Grid Stability with Distributed Generation-Advanced Ancillary Services

Date of the event: 05.09.2019 & 06.09.2019

Venue: Bio-Tech Seminar Hall

Two Days national level workshop entitled **“Grid Stability with Distributed Generation-Advanced Ancillary services”** was conducted by the Department of Electrical and Electronics Engineering of Sri Venkateswara College of Engineering under IEI SVCE EEE Student chapter on September 5 & 6 2019 . Experts from Tamilnadu Electricity Board (**TNEB**) and College of Engineering, Guindy-Anna University delivered expert talk on the topic.

The workshop was attended by 43 students from II ,III,IV years of EEE department of SVCE. The workshop started with the inaugural ceremony followed by Key note Lecture on **“Distributed Generation-Advanced Ancillary Services”** by **Dr.P.Somasundaram, professor**,CEG Anna University. He clearly elaborated about the grid stability and the other related topics.

This lecture was followed by next lecture session on **“Distributed generation”** by **Dr. S.G.Bharathidasan, Associate professor**, SVCE Sriperumbudur. He gave a brief introduction to Distributed Generation and justified the idea of restructuring the conventional power systems.

The second day started with the expert talk on **“Recent trends of Power system monitoring”** by **Mr.T. Prakash from TNEB**. He discussed about the recent innovations in power system monitoring like SCADA and ancillary services under the regulation of NERC standards. In the afternoon, the participants had a hands on session to know more about grid frequency control with distribution generation under the guidance of **Mr. S. Kumaravel, Assistant professor** at Power System Simulation Laboratory, SVCE Sriperumbudur.

Finally the workshop ended with the valedictory function. On the whole the workshop was completely informative and added knowledge to the repertoire of workshop participants.



Head of the Department
Department of Electrical and Electronics Engineering
Sri Venkateswara College of Engineering
Periyar, Sriperumbudur Taluk-602 117
Tamilnadu, INDIA

Dr S G BHARATHI DASAN

IEI SVCE EEE Student Chapter Coordinator

DR K B SUDHAKAR



Dr S G Bharathi Dasan,
Asso Prof
Co Ordinator