

REGISTRATION FORM

(To be filled in block letters)

Name:.....

Designation:.....

IET Membership ID:.....

Institution:.....

Address:.....

City/State:.....

Mobile:.....

Email - Id:.....

REGISTRATION DETAILS

- Last Date for Registration : 23-08-2019
- Intimation of Acceptance : 26-08-2019
- No registration fee for IET student members. Attach Proof for membership.
- For other students, registration fees : Rs.500/- can be paid to Vijaya Bank Account No: 380200301000191, IFSC Code: VIJB0003802.

Signature of Participant



RESOURCE PERSONS

Mr.G.Muthusubramanian
Technical Director
Inesh Smart Energy Private Ltd., Chennai.

Dr.R.Gnanadoss
Professor, Dept.of EEE,
Pondicherry Engineering College, Puducherry.

Dr.C.Bharathiraja
Professor, Dept of EEE
SRM Institute of Science and Technology, Chennai.

Dr. P K Dhal & Dr. K. Karunanithi
Dept of EEE
Vel Tech

CONTACT DETAILS

Dr. P. Chandrasekar
Dr. S. Ramesh
Co-ordinators
Associate Professor, Department of EEE
School of Electrical and Communication
Vel Tech Rangarajan Dr.Sagunthala R&D Institute of
Science and Technology,
No.42, Avadi-Vel Tech Road, Vel Nagar, Avadi,
Chennai – 600 062, Tamil Nadu, India.
Mobile No: 8248472296, 9080394411, 95665 80080
Mail Id: drsramesh@veltech.edu.in



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

TWO DAYS NATIONAL LEVEL SEMINAR ON SMART GRID AND SMART CITIES

30th & 31st August 2019



In Association with
**The Institution of
Engineering and Technology**

Organised by
Department of Electrical and Electronics Engineering

ABOUT VEL TECH

Vel Tech offers programmes in Engineering, Management, Media, Arts, Science and Law. The Institution has made distinctive progress since the founding in 1997, by adopting the unique and trending educational methodologies. All the programmes offered are approved by AICTE and UGC.

- The FIRST member from India to adopt Conceive-Design-Implement-Operate (CDIO), CDIO is a worldwide framework which aims to produce the next generation engineers.
- Recognized as the Best Engineering Institution and ranked 5th among privately funded institutions for Innovation and entrepreneurship development by MHRD, Government of India.
- Ranked FIRST in India for the year 2019 by Times Higher Education and in the band of 101–200 in the world under SDG 9 industry, innovation and infrastructure.
- Received Diamond status under QS I-GAUGE rating for Indian college and university. Ranked 86th place in NIRF in engineering category for the year 2019.
- The Technology Business Incubator (TBI) of Vel Tech is recognized as the Centre of Excellence under NIDHI by Government of India.

ABOUT THE SCHOOL

The School of Electrical and Communication comprises of Department of Electrical and Electronics Engineering and Department of Electronics and Communication Engineering. This school motivates the students to actively participate in nationally reputed clubs such as robotics club and small device programming club, to enthuse and bring out their design skill from them. Many of our faculty members in the school received Doctoral degrees from reputed Institutions from India and abroad. The students are also involved in nationally significant projects namely small satellite projects in collaboration with international industries in France, Germany etc. The Programmes are well designed and developed in close interaction with industry partners like C-DAC, FCRI, ARAI and NASSCOM etc.

ABOUT THE DEPARTMENT

The department of Electrical and Electronics Engineering started in the year 1997. The department offers B.Tech - Electrical and Electronics Engineering, M.Tech. - Power Electronics and Ph.D. programmes. New courses are introduced subsequently and the existing ones are restructured to reflect the recent trends. The department has been strengthened by its passionate and research focused faculty members from reputed universities in India and abroad. The department has well equipped laboratories and state of the art facilities for research and development. The key areas of academic research are Smart Power Grid, Industrial Drives, Industrial Automation and Renewable Energy, Electric Vehicle and Battery Management System. The faculty and students have won awards like Creative Technology KASA, Korea, L&T Techgium Best Innovator Award recently. The department is actively associated with organizations such as Fluid Control Research Institute (FCRI) and Kwalify photonics Ltd.

PREAMBLE

Smart Grid facilitates efficient and reliable end-to-end intelligent two-way delivery system from source to sink through integration of renewable energy sources, smart transmission and distribution. Smart Grid is the Future scope in our country to overcome most of the issues in power sector. Central Govt. is on the way of establishing more smart cities in our country.

OBJECTIVES

- To understand about Smart Grid technology and its components.
- To learn about smart city, smart home energy system and smart energy system.
- To study on real time monitoring and control of smart power system.

OUTCOMES

After attending this workshop, Participants will be able to:

- Represent the smart grid and smart city structure and its components
- Identify the different modules of smart grid in our Nation
- Analyze various issues in interconnecting smart grids
- Point out the challenges in establishing Smart Cities in India

VENUE

Thomas Alva Edison Hive (8300), Block - 8

SCHEDULE

DAY - I

- 09:00 to 09:15 : Inauguration
- 09:15 to 10:45 : Session I: Basics of Smart Grids
- 10:45 to 11:00 : Tea Break
- 11:00 to 12:45 : Issues in Interconnection of Smart Grids
- 12:45 to 13:45 : Lunch Break
- 13:45 to 15:30 : Smart Meters
- 15:30 to 15:45 : Tea Break
- 15:45 to 16:45 : Measurement system in Smart Grid

DAY - II

- 09:00 to 10:45 : Features of Smart Grid
- 10:45 to 11:00 : Tea Break
- 11:00 to 12:45 : Challenges in Establishing Smart Cities
- 12:45 to 13:45 : Lunch Break
- 13:45 to 15:30 : Smart Grid Communication
- 15:30 to 15:45 : Tea Break
- 15:45 to 16:45 : Smart Grids in our Nation