

REGISTRATION FORM

(To be filled in block letters)

Name :

Designation :

Institution :

Address :

City/ State :

Mobile :

Email Id :

Signature of Participant

Contact Details:

Dr. P. Chandrasekar
Head of the Department - EEE,
School of Electrical & Communication,
Vel Tech Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
No.42, Avadi - Vel Tech Road, Avadi,
Chennai - 600 062, Tamil Nadu, India.

CHIEF PATRONS:

Col.Prof. Vel Dr. R.Rangarajan
Founder Chancellor & President

Dr. Sagunthala Rangarajan
Foundress President

PATRONS:

Dr. V. Ramachandran
Vice Chancellor

ADVISORS

Prof. Dr. techn. Koteswara Rao Anne
Director Academics

Prof. Dr. A. Abudhahir
Director Quality Assurance
Professor-EEE

Dr. P. Sarasu
Director Industry Relations

Prof. Dr. E. Kannan
Registrar

Prof. Dr. V. Jayasankar
Dean-SOEC
Professor-EEE

CONVENOR

Dr. P. Chandrasekar
Head-EEE

COORDINATOR

Dr. K. Dhananjaya Babu
Assistant Professor, EEE

For further information contact:

7338803043, 9629353339



Vel Tech

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

04th OCT'18

EXPERT TALK ON
“CYBER SECURITY
ON SMART
GRIDS- CHALLENGES
& SOLUTIONS”



ABOUT VEL TECH

Vel Tech offers UG, PG and Ph.D. programmes in both Engineering and Management. The Institution has made distinctive progress since the founding in 1997, by adopting the unique and trending educational methodologies.

Vel Tech is the first member from India to be part of CDIO, an innovative educational framework for producing the next generation of engineers. Vel Tech has been recognised as the Best Engineering Institution and ranked as First in India and 74th in the world by Times Higher Education World Young University Ranking 2016-2017 and 43rd in Asia by Times Higher Education Asia University Ranking 2017. The TBI(Technology Business Incubator) of Vel Tech is recognized as the Center of Excellence under NIDHI by the Government of India.

ABOUT THE SCHOOL

Students of the school 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 of the school are involved in Nationally significant projects namely small satellite projects in collaboration with International Industries in France, Germany etc. Programmes are designed and developed in close interaction with Industry partners like C-DAC, FCRI, RAI, NAASCOM etc.

ABOUT DEPARTMENT

The department is a knowledge center of excellence in varied fields of Electrical & Electronics Engineering with courses dealing with active electrical components, semiconductor devices, power and control, renewable energy, smart grid and wearable electronics etc.

PREAMBLE:

The Smart Grid is a modernized electric grid that uses the Information and Communication Technology (ICT) referred to as the next-generation power system and expected to improve the reliability, resiliency and efficiency with more Renewable Energy sources. In today's world, Reliability requires Cyber Security. Nowadays, security has become a crucial factor for the success and wide deployment of Smart Grid networks. A Cyber-attack on power control and protection devices in power grid, could result in damaged of the equipment. Cyber security is a growing concern and a key success factor for smart grid deployment.

OBJECTIVES:

- To understand the fundamentals and engineering aspects of cyber-physical mechanisms that can lead to critical failures.
- To design and implement a robust defense system for attack detection, mitigation, and forensics to improve the grid's reliability and resilience.

AGENDA:

- Introduction
- Need for cyber security on grids
- Threat and vulnerabilities on grid cyber security
- NIST guidelines for grid cyber security
- Best practices for effective cyber security on grids

IN ASSOCIATION WITH



RESOURCE PERSON:

Mr. Rajesh Ambalavanan

Head, Cyber Security

SS Infiniti CDC Private Limited

Chennai.

