

Organizer



Knowledge Partners



# TRAINING PROGRAM ON CYBER SECURITY FOR POWER SYSTEMS

29 - 30 AUGUST 2019  
Hotel Royal Plaza, New Delhi





## Introduction

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 of future power systems with more Renewable Energy (RE) 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 the power grid could result in complete disruption of all activities in the society. Cyber security is a growing concern and a key success factor for smart grid deployment.

In May 2019, hackers attacked web services and online payments of Telangana and Andhra Pradesh power distribution utilities through malicious software, demanding ransom. The hacking had no impact on the operations of the utilities. The industry and utility heads have raised concerns about the dearth of trained cyber security professionals and there is a critical knowledge gap among the workforce about the need and availability of cyber security resources, assets and solutions. Foreseeing such scenario and to avoid this situation, it is important to create a talent pool in India to implement the new programs successfully.

With a mandate to build capacity of Electricity Distribution Company Personnel, India Smart Grid Forum (ISGF) regularly organises training programs on various domains of Smart Grids. ISGF, in association with the National Critical Information Infrastructure Protection Center (NCIIPC) and Veermata Jijabai Technological Institute (VJTI), Mumbai has conducted Six Training programs on Cyber Security for Power Systems in the past 4 years.

With this background, ISGF in participation with NCIIPC and VJTI is pleased to announce the 7th edition of the Training Program on Cyber Security for Power Systems, a 2 Day course scheduled from 29 - 30 August 2019 at Royal Plaza Hotel, New Delhi. This course has been designed to prepare utility engineers, industry executives and fresh graduates to understanding the threats and attacks on smart grids, Indian and International case studies, standards and business models.

# Objectives of Training Program on Cyber Security

- Engage with distribution utilities to better understand cyber security position and implement programs
- To build a secure cyber ecosystem in the power utilities, generate confidence in IT systems and payment transactions
- To initiate the cybersecurity analysis for smart grids and understand the threats in smart grids
- To understand the main components of cyber secured power grid

## Duration and Venue Details

### Duration

2 Days of Non-Residential course

### Training Venue

Royal Plaza Hotel, Ashoka Road, Janpath, New Delhi-110001

## Faculty:

Senior Professionals who are experts in their respective fields.

## Target Audience and Eligibility

1

Engineers from Transco's and DISCOMs

2

Engineers from Regulatory Commissions and State Energy/Power Departments

3

Engineers/Officers from Technology Companies

4

Engineers from Research/Academic Institutions

## Course Fee

The fee for this course is **INR 30,000 + GST.**

### This fee covers:

1. Course Materials
2. Tea/Coffee and Lunch
3. Access to ISGF White Papers and PPTs

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## About ISGF

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India Smart Grid Forum (ISGF) was established as a Public Private Partnership (PPP) initiative of Government of India for accelerated development of smart grid technologies in the Indian power sector in March 2011. It is registered under Indian Societies Registration Act (Act XXI of 1860). ISGF was set-up to provide a mechanism through which academia, industry, utilities and other stakeholders could participate in the development of Indian smart grid systems and provide relevant inputs to the government's grid modernization program.

ISGF work closely with the Ministry of Power, Ministry of New and Renewable Energy, Department of Telecom, Ministry of Heavy Industries, Department of Science and Technology and Ministry of Urban Development and NCIIPC. With 180+ members comprising of ministries, utilities, technology providers, academia and students, ISGF has evolved as a globally reputed think tank in smart grids and smart cities.

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India Smart Grid Forum

### **India Smart Grid Forum (ISGF)**

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