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*For further information the Organising &
Technical Committee Members may
please be contacted.*

All Correspondence Should be Addressed to :
The Director / Head of Institute,
National Power Training Institute (SR)
Block – 14, Neyveli – 607803, Tamil Nadu.
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REGISTRATION FEE

- Executives/Professionals from Power Utilities/Industries – ₹. 2500/- per participant.
- Academicians, Research scholars of Universities / Engineering & Polytechnic Colleges – ₹. 1250/- per participant
- PG/UG students of Universities / Engineering & Polytechnic Colleges – ₹. 650/- per participant
- The above program is Non-Residential and the registration fee is inclusive of applicable GST. The registration fee includes the cost of Training kit, Study material, Working Lunch, Hi-Tea with Snacks.

Last Date for Registration:

24.10.2018

Fee may be paid in favour of "National Power Training Institute", Payable at Neyveli as Demand Draft or through SBI Collect link available at our website www.nptineyveli.in and the nominations along with the fee details may be communicated through email/fax/post.

WORKSHOP VENUE

Hotel PL.A. KRISHNA INN
No. 8A, Rockins Road,
Near Central Bus Stand, Contonment,
Trichy - 620 001.
Phone : 0431 - 240 6666
Time : 9 AM to 6 PM

One Day National Workshop on "INTERNET OF THINGS (IoT) FOR SMART GRID"

26th October, 2018, Friday

Venue :

Hotel PL.A. KRISHNA INN,
Near Central Bus Stand,
Trichy, Tamilnadu



ORGANISED BY

NATIONAL POWER TRAINING INSTITUTE

SOUTHERN REGION

MINISTRY OF POWER, GOVT. OF INDIA

ISO 9001:2015 AND ISO 14001:2015 CERTIFIED ORGANISATION

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ABOUT NPTI

National Power Training Institute (NPTI) an ISO 9001 & ISO 14001 organization under Ministry of Power, Govt. of India, is a National Apex body for Training and HRD in Power Sector with its Corporate Office at Faridabad. NPTI is the world's leading integrated Power Training Institute and is operating on an all India basis through its regionally located Institutes at New Delhi, Nangal, Bengaluru, Neyveli, Durgapur, Guwahati and Nagpur.



NPTI (SR), Neyveli established in 1965, has successfully trained Engineers, Supervisors, Technicians and other personnel of Electricity Boards, Public and Private Sector Utilities like NTPC, NLCIL, NTPL, TNEB, TANGEDCO, KPCL, KSEB, PED, APGENCO, APTRANSCO, TSGENCO, NALCO, L&T, TATA POWER, GMR ENERGY, VEDANTA, TNPL, TAQA, TCS etc.



ABOUT THE WORKSHOP

Smart grid is one of the features of energy consumption monitoring and management system. Smart grids are based on communication between the provider and consumer.

Smart Grid (SG) offers bi-directional energy flow between service providers and consumers involving power generation, transmission, distribution and utilization systems. SGs employ various devices for monitoring, analysis and control of the grid, deployed at power plants, distribution centers and in consumer premises in a very large number. Hence, Smart Grid requires connectivity, automation and the tracking of such devices. This is achieved with the help of Internet of Things (IoT).

IoT helps Smart Grid systems to support various network functions throughout the generation, transmission, distribution systems and consumption of energy by incorporating IoT devices (such as sensors, actuators and smart meters) as well as by providing the connectivity, automation and tracking for such devices.

OBJECTIVE OF THE WORKSHOP

In this workshop a comprehensive discussion on IoT aided SG systems, its architectures, applications and prototypes of IoT shall be held. This workshop also highlights the issues, challenges and future scope of research for IoT based Smart Grid Operations.

TOPICS TO BE COVERED

- ✦ Conventional Grid and Smart Grid (SG) Systems, Advantages of Smart Grid System
- ✦ Integrating Internet of Things (IoT) for Smart Grid System
- ✦ Existing Applications of IoT based SG systems- HAN, NAN & WAN applications
- ✦ Architecture for IoT aided Smart Grid System
- ✦ IoT Wireless Communication Technologies for Smart Grid
- ✦ IoT devices (such as sensors, actuators and smart meters) for monitoring, analysis and controlling the grid
- ✦ Connectivity, automation and tracking of IoT devices
- ✦ IoT Based Smart Electric Vehicle, Solar Power, Smart Cities
- ✦ Cyber security Issues in IoT based Smart Grid systems and solutions
- ✦ Open issues, challenges, and future research directions for IoT in Smart Grid Operation

RESOURCE PERSON/SPEAKERS

Eminent Domain Experts from various Organizations, Consultants, Developer, Policy Makers shall share their expertise. The program shall be conducted in an interactive environment providing greater scope for discussion.

WHO SHOULD PARTICIPATE

Executives and working professionals from various Power Utilities of Central, State, Private Sectors and Industries, Academicians, Research Scholars and PG / UG students of Universities / Engineering Colleges / Polytechnic Colleges.