



## Admission for 1 Year PGDC Program in "SMART GRID TECHNOLOGIES"

The Objective of the course is to explain in detail the Smart Grid Technologies, their applications covering Smart Generation, Smart Transmission and Smart Distribution. The Candidates shall develop their skills to operate Smart Grids Integrating Renewables, e-Vehicles, Storage system, Smart meters and to get jobs in these areas.

### OUR MAJOR RECRUITERS

- ISGF • Noida Power Corporation • Genus Power & Infrastructure • Kamachi Power • ADANI • Federal Synergies etc.

### ADMISSION THROUGH CET 2018 (WINTER) :

**ELIGIBILITY:** B.Tech. / B.E. or its equivalent with minimum 60% marks in Electrical/Electrical & Electronics / Electronics & Communication / C&I/ Computer Science / Information & Communication Technology, Information Technology and related branches.

### COURSE FEE:

NON-SPONSERED CANDIDATES:  
Rs. 2,30,000/- +GST 18%

SPONSERED CANDIDATES:  
Rs. 3,60,000/- +GST 18%

INTERNATIONAL CANDIDATES:  
US\$ 20,000/- +GST 18%

### For More Details, Contact:

### NATIONAL POWER TRAINING INSTITUTE

(Ministry of Power, Government of India)  
NPTI Complex, Sector - 33, Faridabad - 121 003, India

Mr. R. Senthil Kumar  
Assistant Director (Training)  
Mobile: 9718625545



### COURSE MODULE

- **General Introduction:** - Evolution of Indian Power sector & Indian Electricity Act & Various Policies & Regulation Frameworks, Market Mechanism & Grid Standards, R-APDRP/DDUGJY/UDAY/IPDS/ 24 x 7 Power for all
- **Introduction to Smart Grids, Global Roadmaps, Regulatory Aspects, R-APDRP; Smart Grid Vision & Roadmap for India, National Smart Grid Mission, Smart Grid Maturity Models, Smart Grid Architecture, Market Mechanism & Grid Standards**
- **Advanced Meter Interface (AMI) - Overview, Smart Meters, DCUs, HES, MDM, Inter-operability, Standards, Protocols, ICT & Cyber Security and Smart Grid Security, IoT**
- **Reactive Power Management, Outage Management, Project, Procurement, Contract & its Financial Management, GIS & Assets Management, Asset Mapping and Consumer Indexing on GIS maps and business process reengineering for GIS, Load Forecasting, Demand Side Management (DSM)/DER/DR/SCADA/EMS/WAMS**
- **E-Mobility & Energy Storage and other New Technologies – Microgrids, SST, DLR, Wide Area Control, EVs and V2G with Peak Load Management, Renewable Energy & Grid Integration Technologies**
- **Smart Cities & its Pilot projects in India, Innovative Solutions for Smart Cities, Green Environment, Smart Health, Water & Sanitation, Waste Water Management, Video Surveillance & Smart Lighting for Smart & Safe Cities, Adaptive Traffic Control System, Pollution Monitoring, Urban Planning and Smart Transportation Systems**
- **Laboratory Session in Big Data Analytics and R Programming, GIS, Cyme/HOMER Simulation & Smart Grid Simulator Laboratory. Plant Visit to Smart Grid Lab & Smart Grid Pilot Project of various smart cities in India. On-Job Training followed by Project & Viva Voce**

### IMPORTANT DATES

Online Registration	10/10/2018 to 16/11/2018
Downloading of Admit Cards	26/11/2018
Date & Time of PGDC CET- 2018	01/12/2018 (Saturday) From 10:30 to 12:30 Hrs.
Date of Declaration of result on our web site	14/12/2018
Date of Counseling	21/12/2018
Date of Reporting & Commencement of course	02/01/2019
Date of Spot admission for vacant seats if any by Counseling	07/01/2019