AICTE Sponsored

Short-term Training Programme

On

"The Role of IoT in Renewable Energy Resources Integration to Electricity Grid"

17th to 21st February, 2020

REGISTRATION FORM

1. Name in block letters:_____

2. Designation:_____

3. Qualification:_____

3. Name of the Institution:_____

4. Address:_____

5. Mobile Number:_____

6. Email id:_____

7. Payment Details:

DD/Cheque Number: _____

Date: ____/____/_____

Bank Name:_____

Branch:_____

Signature of the Head of the Institution with seal

Applicant's Signature

Chief Patron

Dr. Mohan Manghnani

Chairman, NHEI, Bangalore

Patron

Dr. Manjunatha

Principal, NHCE, Bangalore

Advisory Committee

Dr. Prashanth CSR

Prof & Dean – Academics, NHCE

Dr.K.Gopalakrishnan

Prof & Dean – R&D, NHCE

Convener

Dr. S. Ramkumar

Head-Electrical and Electronics Engineering

Organising Secretary

Dr Sujitha S

Electrical and Electronics Engineering

Organising Coordinators

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Prof. Satish Kumar D

Organising Committee

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Prof. Vinothkumar S

Prof. Mohan B S

Prof. Ramakrishnan S

Prof. N. Reshmi

Prof. Kavith Chenna Reddy C H

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Prof. Lithesh J

Prof. Viji U

NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC

Accredited by NAAC with 'A' Grade, Accredited by NBA

New Horizon Knowledge Park, Ring Road, Bellandur Post, Bengaluru 560 103

The Trust is a Recipient of Prestigious Rajyotsava State Award 2012 Conferred by the Government of Karnataka

Awarded Outstanding Technical Education Institute in Karnataka-2016

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SHORT-TERM TRAINING PROGRAMME

On

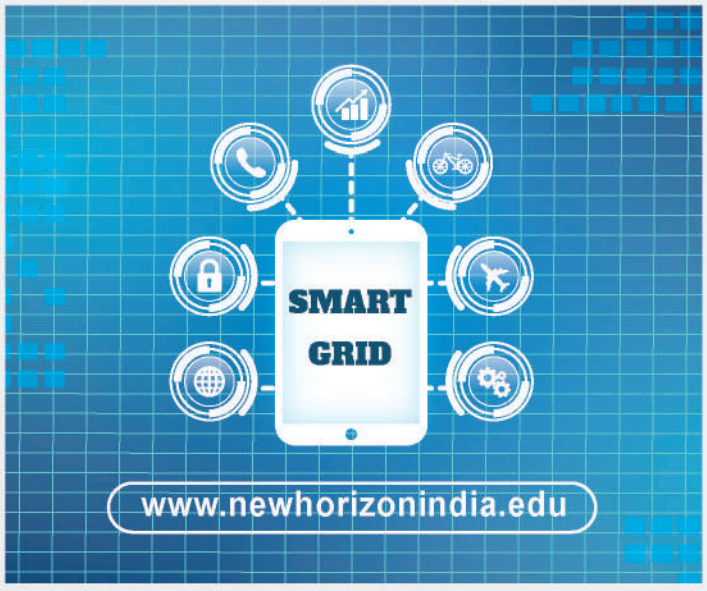
"The Role of IoT in Renewable Energy Resources Integration to Electricity Grid"

17th to 21st February, 2020

Organized by

Department of Electrical and Electronics Engineering

in association with



About the College:

New Horizon College of Engineering (NHCE) is an Autonomous College affiliated to VisvesvarayaTechnological University(VTU), approved by All India Council for Technical Education(AICTE) &University Grants Commission(UGC). NHCE has been accredited by NAAC with 'A' GRADE & National Board of Accreditation (NBA). It is an ISO 9001:2008 certified Institution.

About the Department:

Electrical and Electronics Engineering is one of the prestigious branches of Engineering, originated decades ago, from which various other branches like Electronics & Communication, Computer Science, Information Science etc., have emerged. A critical investigation into the modern state-of-the-art technology leads to the fact that an electrical graduate fit better in today's corporate sector.

The energy shift now under way is as much geographical as it is technological. In fact, Iceland stands 178th position in global population and 1st in electricity consumption per capita (kWh per person).

As of 2015, total thermal installed capacity stood at 189.3 GW, hydro and renewable energy totalled 41.6 GW and 35.8 GW, respectively. The utility electricity sector in India had an installed capacity of 284.303 GW as of 31 December 2015 from "All India Installed Capacity (In MW) of Power Stations".

Graduates from Electrical and Electronics Engineering are grounded in mathematical, with other subject knowledge like Electronics & Communication, Computer Science and Technical Knowledge through coursework that is relevant to current technology; they develop the ability to synthesize and envisage solution to real time problems through their immersion in the problem-based activities at New Horizon College of Engineering.

About the Short-Term Training Program

The Internet of things (IoT) is the network of physical devices, vehicles, home appliances, and other items embedded with electronics, software, sensors, actuators, and network connectivity which enable these objects to connect and exchange data. IoT platform provides development of the number of applications smart grids, virtual power plants, smart homes, intelligent transportation, and smart cities. This STTP aims to make the participants realize the importance of IoT and its applications in various fields as well as to demonstrate some demo projects on specific applications. It introduces IoT so that participants can learn to build their own IoT products for various applications, and it also enables them to convert their product ideas into a working prototype for the electric power grid.

Topics to be covered

- Introduction to Smart Grid
- Importance and Recent Challenges in Renewable Energy Sources
- Integration of Renewable Energy Issue with Grid
- Smart Grid-Information and Communication Technology (ICT)
- Challenges in Implementing Smart Grid Technologies in India
- Smart Metering Technology
- Energy Efficiency and Demand Side Management
- Next-Generation Communication Networks
- Internet of Things (IoT)
- Cyber Security for Smart Grid
- Policies and Regulation for Smart Grid

Resource Persons

Experts from the industry will handle the STTP.

Eligibility

This programme is open to the faculty members of Electrical Engineering and allied branches, Basic Science departments of AICTE approved Engineering Colleges.

Registration

The participants can use the registration form available overleaf. All shortlisted candidates are required to confirm their participation by sending a hard copy registration from and DD/Cheque of Rs.500/- in favour of **"The Principal, NHCE, Bangalore".** The amount will be refunded to the participant after valedictory function.

Note: The certificate will be issued to those participants who have attended the programme for all sessions.

Important Dates

Last date for receiving scanned registration form through e-mail: nhceiot@gmail.com is 31/01/2020.

Address for Communication

AICTE Sponsored STTP
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