

### Certificate from Sponsoring Authority

Certified that the applicant is employed in our organization and the information stated by him/her has been verified and found correct. We sponsor him/her for attending this Short Term Training Programme.

Date: \_\_\_\_\_ Signature of \_\_\_\_\_  
Place: \_\_\_\_\_ Sponsoring Authority  
with Seal

Please send the duly filled registration form  
To:  
Prof.S.S. Kanojia/ Prof. Hemang Pandya  
Coordinators

Department of Electrical Engineering  
Institute of Technology, Nirma University  
Sarkhej-Gandhinagar Highway  
Tragad Patia, P. O. Chandlodia,  
Ahmedabad - 382 481, Gujarat.

Tel : (02717) 241911-15 (O), Extn : 408  
Fax: (02717) 241917

E-mail:  
sarika.kanojia@nirmauni.ac.in  
hemang.pandya@nirmauni.ac.in

#### Important Dates:

Last date of receiving application : 30/05/2014  
Confirmation of Selection : 07/06/2014  
by E-mail  
Commencement of Programme : 30/06/2014

### Eligibility for Admission

Faculty, students from Electrical / Power System / Power Electronics areas, Professionals from Industries and R&D Organizations

### Program Schedule

Duration: 30<sup>th</sup> June – 11<sup>th</sup> July, 2014  
Timings: 9:00 a.m. – 4:00 p.m.

### Faculty

Course will be conducted by senior and experienced faculty from the Electrical Engg Dept., and eminent experts from industries / research organizations.

### Course Fee and Registration

₹.2,500/- for ISTE Members / Teachers  
₹.1,000/- for P.G. / Ph. D. non-sponsored students/  
Research Scholars  
₹.3,000/- for members from Industry and R&D  
Organizations

Course fee includes tea and course material. All other expenses are to be borne by the participants. Registration charges are non refundable.

Participants are required to make their own arrangements for lodging, boarding and travelling. However, on request, the arrangement for accommodation can be made on chargeable basis.

### How to apply

Interested faculty members from Engineering colleges, polytechnics, P.G./Ph.D. Students, professionals from industry and R&D organizations are requested to fill up the attached application form and return it to the Coordinator, so as to reach on or before 30<sup>st</sup> May, 2014. **Applicants should send the demand draft in favour of "Institute of Technology, Nirma University", payable at Ahmedabad.**

An opportunity to understand, meet experts, to share experience, broaden view and observations, to hone skills and to cultivate new thoughts in the area of emerging trends in power engineering.



ISTE Approved  
SHORT TERM TRAINING PROGRAMME

on

## TRENDS AND INNOVATIONS IN ELECTRICAL POWER ENGINEERING 30<sup>TH</sup> JUNE – 11<sup>TH</sup> JULY, 2014

**Coordinators**  
**Prof. S. S. Kanojia**  
**Prof. H.S. Pandya**

**Organized by**  
**Electrical Engineering Programme**  
**Department of Electrical Engineering**  
**Institute of Technology**  
**Nirma University**  
**Ahmedabad**



**Website:** [www.nirmauni.ac.in](http://www.nirmauni.ac.in)  
Tel: (02717) 241911-15  
Fax: (02717) 241917

## **Nirma University**

Nirma University was established in the year 2003 as a statutory university under Gujarat State Act at the initiative of Nirma Education and Research Foundation (NERF). In 1994, founder of Nirma Industries and an internationally renowned entrepreneur Dr. Karsanbhai K. Patel crystallized his long cherished dream of providing world class facilities for professional education in Gujarat. He established NERF which in turn established, six institutions including Institute of Technology.

## **About the Institute**

Institute of Technology is a leading institute offering multidisciplinary undergraduate, postgraduate, MCA and Ph.D programmes in engineering.

Institute is located in peaceful and sylvan surroundings, about 15 km from Ahmedabad Railway Station on Sarkhej-Gandhinagar highway. The academic ambience provides full scope for development. The presence of the institute can also be felt by its alumni spread in national and multinational organizations as well as leading universities throughout the world. The institute provides an inspiring environment to all students to expand their intellectual dimension and recognize their hidden talents, not only in the technical field, but also in life skills.

## **Special Achievements**

- The Institute is ranked 32<sup>nd</sup> in Top 75 Engineering Colleges and 8<sup>th</sup> among self-financed colleges across the country as per survey published by Outlook Magazine in 2013.
- Won National ROBOCON Competition for 6 times, including in the year 2014, and represented India in ROBOCON Internationals.
- The Institute has been ranked at 12<sup>th</sup> position in the DataQuest CMR T-School Survey 2014 across the country and 2<sup>nd</sup> in the Top10 T-School in the West Zone.
- The Institute is listed in the category of Top Engineering colleges of Super Excellence by Competition Success Review-GHRDC Engineering College Survey in 2013.
- Ranked 6<sup>th</sup> in Top 50 Engineering Colleges across the country as per survey conducted in Electronics For You in May 2011

- Hindustan Times, June 2010 issue has ranked IT-NU, 9<sup>th</sup> in top placement 2010 in India and also amongst top 25 best private engineering colleges of India.

## **About Department**

Department of Electrical Engineering, Institute of Technology ardently runs U.G., P.G. and Ph.D. programmes in EE, EC and IC under the Umbrella of Nirma University. Electrical Engineering Programme is one of the strongest wings of the Electrical Engineering Department. The department works towards imparting quality education, rigorous coaching, hands-on expertise and help students to grow in the technical aspects. The department has strong and qualified faculty team, state of art laboratories, software packages and many more facilities to enhance quality of teaching learning process.

## **Objectives of the Programme**

- Enhancing and providing platform for refreshing the basics of Power Engineering for professionals working in the domain of Electrical Engineering.
- Familiarizing and training the faculties / participants in the emerging trends of Power Engineering with emphasis on various technologies and tools.
- Providing hands on experience with various simulation tools of Power Engineering, in addition to industrial/field visits.

## **Course Contents of the Programme**

- Recent development in Smart grid Technology
- Role of Renewable Energy in sustainable development
- Advanced power electronics controllers for induction motor drives
- Applications of power electronics in power systems
- Post restructuring scenario of power system in India and its implications on utilities
- Suitability of machines to various applications and dynamic modeling of Electrical Machines
- Electrical Machine Design aspects and control
- Advanced Power Quality Solutions
- Power System Relaying and Protection

## **Registration Form**

### **ISTE Approved SHORT TERM TRAINING PROGRAMME**

on

### **TRENDS AND INNOVATIONS IN ELECTRICAL POWER ENGINEERING**

Organized by  
Electrical Engineering Programme  
Department of Electrical Engineering  
Institute of Technology  
Nirma University, Ahmedabad.  
**30<sup>th</sup> June 2014 – 11<sup>th</sup> July 2014**

1. Name:
2. Designation:
3. Qualification: D.O.B.:
4. Experience: (1) Teaching: \_\_\_\_ Yrs.  
(2) Industry: \_\_\_\_ Yrs.
5. Name of the Institute / Industry / Organization :
6. Mailing Address: (with phone no., fax no.)
7. E-mail :
8. ISTE Membership No. :
9. Accommodation required / not required:
10. DD Details: Amount: \_\_\_\_\_ No.: \_\_\_\_\_  
Name of Bank: \_\_\_\_\_ Dated: \_\_\_\_\_

Date: \_\_\_\_\_ Signature of Applicant

(Photo copy of this form is acceptable)

**Nirma University**  
**Institute of Technology**  
**Electrical Engineering Programme**

**ISTE Approved Short Term Training Programme (STTP) on**

**“TRENDS AND INNOVATIONS IN ELECTRICAL POWER ENGINEERING”**

30 June – 11 July 2014

Session Schedule- **Week 1**

**Venue: PG -006**

Time Day & Date	09:00 a.m. - 10:00 a.m.	10:00 a.m - 11:00 p.m.	11.00 a.m. - 11.15 a.m.	11:15 a.m. - 12:15 p.m	12:15 p.m. - 01:15 p.m.	01.15 p.m- 02.00 p.m.	02:00 p.m. - 03:00 p.m.	03:00 p.m. - 04:00 p.m.
Monday 30/06/2014	<b>Registration</b> 9:00-9:30am <b>(D - Block Entrance)</b>		<b>T E A B R E A K</b>	<b>Power and renewable energy market in India: A Glance</b> Dr. Naran Pindoria IIT, Gandhinagar	<b>L U N C H B R E A K</b>	<b>Control and dispatch of real and reactive power sources in active distribution networks and microgrids.</b> Shri. Kalpesh Joshi Research Scholar, IIT Gandhinagar		
Tuesday 01/07/2014	<b>Matlab Training</b> MathWorks India Private Limited, New Delhi			<b>Matlab Training</b> MathWorks India Private Limited, New Delhi		<b>Matlab Training</b> MathWorks India Private Limited, New Delhi		
Wednesday 02/07/2014	<b>Smart Grid Technology</b> Shri. S. B. Mahajani Amtech Electronics			<b>Smart metering and its benefits to the society and consumers</b> Shri. G. K. Panchal Yadav Measurements,Udaypur		<b>Microgrid and changing scenario in power business</b> Shri. G. K. Panchal Yadav Measurements,Udaypur		
Thursday 03/07/2014	<b>Industrial Visit</b> Area Load Dispatch Center ,Gandhinagar			<b>Industrial Visit</b> Area Load Dispatch Center ,Gandhinagar		<b>Industrial Visit</b> Area Load Dispatch Center ,Gandhinagar		
Friday 04/07/2014	<b>Innovative practices in DISCOM</b> Shri. Hiren shah GUVNL,Vadodara			<b>Power System stability with Demand - Supply side management</b> Shri. D.R Shah ALDC, Gandhinagar		<b>Protection aspects of Series compensated Lines</b> Dr. Vivek Pandya PDPU, Gandhinagar		

**Nirma University**  
**Institute of Technology**  
**Electrical Engineering Programme**

ISTE Approved Short Term Training Programme (STTP) on

**“TRENDS AND INNOVATIONS IN ELECTRICAL POWER ENGINEERING”**

30 June – 11 July 2014

Session Schedule- Week 2

**Venue: PG - 006**

Time Day & Date	09:00 a.m. - 10:00 a.m.	10:00 a.m - 11:00 p.m.	11.00 a.m. - 11.15 a.m.	11:15 a.m. - 12:15 p.m	12:15 p.m. - 01:15 p.m.	01.15 p.m- 02.00 p.m.	02:00 p.m. - 03:00 p.m.	03:00 p.m. - 04:00 p.m.
Monday 07/07/2014	<b>A Future Leap Forward in Electric Machines</b> Rajal Patel M.D., ALTENMO Technologies Pvt. Ltd.	<b>Influence of pole arc variation on torque profile of SRM</b> Prof. A. N. Patel Nirma University, Ahmedabad	<b>T E A B R E A K</b>	<b>Solar Power</b> Dr. Omkar Jani Principal Research Scientist GERMI-RIIC, Gandhinagar		<b>L U N C H B R E A K</b>	<b>Recent Trends in Renewable Energy Technologies and Energy Management</b> Shri. R. N. Pandya GEDA	
Tuesday 08/07/2014	<b>Application of Permanent Magnets in Electrical Machines</b> Prof. Dr. K. Ragavan IIT,Gandhinagar			<b>Electric Traction</b> Er. C G Ramtirth vadodara			<b>Lab Session Magnet Software</b> Prof. T. H. Panchal Nirma University, Ahmedabad	
Wednesday 09/07/2014	<b>Maxwells RMxpert Training ANSYS India</b>			<b>Maxwells RMxpert Training ANSYS India</b>			<b>Maxwells RMxpert Training ANSYS India</b>	
Thursday 10/07/2014	<b>High Performance Energy Efficient Induction Motor</b> Dr. J. G. Jamnani PDP, Gandhinagar			<b>Power Quality issues</b> Shri Parag Pandya CEO & MD Suvik Electronics Pvt. Ltd			<b>AI Application in Power System</b> Dr. S. C. Vora Nirma University, Ahmedabad	
Friday 11/07/2014	<b>IEEE Technical Paper writing Skills</b> Dr. P. N. Tekwani Nirma University, Ahmedabad			Feedback and Certificate distribution				