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### **Contact Address**

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### **For any other Enquiry**

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Registration Form National Workshop On Emerging Technologies in Electrical Power Engineering (17 <sup>th</sup> -18 <sup>h</sup> February 2012)  (NWET-2012)	
Name:	
Sex:	
Category: (Tick any one)	
Student <input type="checkbox"/> Faculty <input type="checkbox"/> Industrial Candidate <input type="checkbox"/>	
Institute Name:	
Address for Correspondence:	
Phone:	
Mobile:	
E-mail:	
Cash/Draft No:	
Amount:	Date:
Educational Qualification:	
Highest Degree:	
Obtained from:	
Subject/Specialization:	
Grade/Division:	
University:	
Accommodation Required YES / NO If Yes, Where Hostel / Guest House	
Forwarding remark of the Head of the Department / Institution:	
Signature (With Seal)	

**Silicon**  
...beyond teaching

## **National Workshop on Emerging Technologies in Electrical Power Engineering (NWET-2012)**

**With focus on  
"Modern Power Distribution:  
Technical, Nontechnical and  
Regulatory Aspects"  
17<sup>th</sup> -18<sup>th</sup> February 2012**



**Organized by**  
Department  
of  
Electrical & Electronics Engineering  
**Silicon Institute of Technology**  
Silicon Hills, Patia, Bhubaneswar,  
Orissa, 751024

## **Workshop Objectives**

NWET is a forum for the industry & academia to discuss & share the knowledge on emerging technologies & practices. NWET-2009 and NWET-2010 were conducted with focus on HVDC, FACTS and Advances in grid management and power trading respectively. NWET-2011 was focused on Energy conservation. NWET 2012 will be held at Silicon Institute of Technology (SIT), Bhubaneswar, Orissa on 17<sup>th</sup> & 18<sup>th</sup> February 2012. The main objective of this workshop is to acquaint the participants with the emerging techniques in the field of modern power distribution. The workshop intends to bring practicing engineers from industry and academics together to discuss various problems that are making many of the Indian distribution systems non viable for supplying power to the end users while satisfying all regulatory. The best practices shall be discussed with current area of research and development in the field.

## **Topics**

### **1. Technical aspects of distribution system modernization**

- a. Distribution system planning
- b. Technical loss and management of loss
- c. Reliability improvement, maintenance and trouble call management
- d. Energy conservation, green building concepts, energy efficient lighting, pumps, heat power, cogeneration
- e. SCADA and automation, smart metering
- f. Renewable energy sources, energy alternatives for rural as well as urban system,
- g. Modeling and Analysis

### **2. Non technical aspects**

- a. Commercial losses due to theft, defective meters, non billing and poor recovery, Socio economic and legal issues, subsidies and its

impact, performance based penalty and incentive schemes, Customer involvement and stake holding concept.

- b. Regulatory aspects, Open access in distribution, Leasing and franchising ,decentralization of distribution privatization and accountability, socio economic tariff fixation, IEC 61850 and protocol and metering protocol, Case studies

## **Technical Programme of each day**

### **comprises of**

- Keynote speech
- Invited Lectures
- Panel Discussion

### **Venue**

## **Silicon Institute of Technology, Patia, Bhubaneswar-751024**

Silicon Institute of Technology (SIT) was established in the year 2000 in the temple city of Orissa, Bhubaneswar with a view to provide value-based quality education. Today, the Institute is recognized as one of the centers of academic excellence and vibrant research culture in the state and outside. Over the years, Silicon Institute (SIT) has been recognized as one of the premier technological institutes both in academics and research in the state of Orissa & India. The campus is about 13 kms away from the Railway Station and 16 kms away from Biju Patnaik Airport, Bhubaneswar.

### **Registration Fees**

Faculty / Research scholars	: Rs.500/-
Industry Professionals	: Rs.1000/-
Students	: Rs. 300/-

### **Sponsorship**

Gold sponsorship Rs. 15,000/- (five participants)  
Silver sponsorship Rs. 10,000/- (three participants)

### **Advertisement in brochure**

Coloured Page – Rs. 3,000/-  
Black & White – Rs. 2,000/-

### **Registration Information**

Participants can register by sending the registration form along with demand draft (appropriate amount) in favour of Convener (NWET) payable at Bhubaneswar. Students have to submit bonafide certificates from the Heads of their Institutions along with the registration forms on or before 31<sup>st</sup> Jan 2012.

### **Accommodation**

Limited Accommodation is available at Institute Guest house at concessional rate on first - come - first serve basis.

### **Chief Patron**

**Joe Mediath**

Chairman, Board of Governors,  
SIT, Bhubaneswar

### **Convener**

**Prof. A.K. Tripathy**

FNAE, SIT, Bhubaneswar  
(Ex. Director General of CPRI, Bangalore)

### **Advisory Committee**

**Prof. P.K.Dash**, Director, M.D.R.C, SOA University

**Prof. K K Dash**, Director (Academics) SIT, Bhubaneswar

**Dr. Omkar Nath Mohanty**, (Ex. Vice Chancellor of BPUT)

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**Prof. S. K Balita**, SIT, Bhubaneswar

**Prof. Seema Behera**, SIT, Bhubaneswar

**Prof Priyanka Kar**, SIT, Bhubaneswar