

## Chairman

Shri B.C.Patel

## Principal

Dr. H.N.Shah

## Coordinators

Prof. N.K.Patel

Prof. D.S.Patel

## Last Date for Application:

February 20, 2012

## Confirmation of Participation:

February 25, 2012 (by email).

## Send Completed Registration Form to:

**Prof. N.K. Patel**

Department of Electrical Engineering  
Sankalchand Patel College of Engineering  
Sankalchand Patel Sahakar Vidhyadham,  
Visnagar- 384315.

**Email: [nkpatel.ee@spcevng.ac.in](mailto:nkpatel.ee@spcevng.ac.in)**

**Prof. Darshan S Patel**

Mobile No: **09825040546**

Phone No: **(02765) 232008,227342**

Fax No: **(02765) 224982**



## Course Contents:

1. Analysis of Transmission system performance using PSCAD.
2. Modeling of FACTS Controller using PSCAD.
3. Simulations of Multilevel converters with Various PWM Techniques Using PSIM/MATLAB.
4. Usage of DLL block for Power Electronics System.
5. Control of advance electrical machines & their applications.
6. Simulation of DC to DC converters using PSIM.

## Prerequisites:

Basic Knowledge of Power system and Power Electronics.

## Who should benefit:

Faculties of Engineering Colleges, Diploma colleges, PG students, Researchers, Working Professionals of Private Sectors / Public Sectors, in the area of Power system & Power Electronics.

## Registration:

Completed Registration form along with the Demand Draft/Cheque drawn in favour of Principal, BVM Engineering College, Vallabh Vidyanagar payable at Vallabh Vidyanagar should be sent to the Coordinator before 20<sup>th</sup> February, 2012.

## Registration Fee:

₹500/-for PG students, ₹750/- for faculties of engineering colleges approved by AICTE & ₹ 1000 for professionals from Private/Govt. The Registration fees include course material, participation kit, refreshment and lunch.

Accommodation facility will be provided on payment basis. No TA/DA will be paid. Certificates will be provided on successful participation in the workshop.



Government of Gujarat  
Commissionerate of Industries  
CEPT, Ahmedabad  
Sponsored Workshop

Birla Vishvakarma Mahavidyalaya  
Vallabh Vidyanagar-388 120  
Nodal Institute for Infrastructure



Three Days Workshop  
On  
*Advancements in Power System  
and Power Electronics*

**1<sup>st</sup> -3<sup>rd</sup> March 2012**

Coordinators

**Prof. N.K.Patel**  
**Prof. D.S.Patel**  
**Mr. N.N.Shukla**  
(BVM Coordinator)

**Organized by**

**Department of Electrical  
Engineering**  
**Sankalchand Patel  
College of Engineering (SPCE)**

Sankalchand Patel Sahakar Vidhyadham,  
Visnagar- 384315, Dist. Mehsana  
Gujarat

## Introduction

The Workshop would deal with a systematic exposition of topics in the field of power electronics & power system. The recent advances in power electronics devices & control techniques have considerably influenced the design of power electronics based system in the application of power converters, HVDC transmission system, development of FACTS for efficient utilization of Electrical energy & improving power quality. Besides giving a detailed discussion on the basic principles & recent practices, the workshop will provide software based experiments as per the Curriculum of Gujarat Technological University and advancements in it.

The Course contents have been taught by eminent experts from IIT, NIT & Reputed Organization.

This Course will be beneficial to faculty & PG Students from Electrical engineering discipline as a potential analytical tool in their up gradation of knowledge & research activities.

## About CEPT University

The Government of Gujarat aided the Ahmedabad Education Society to establish CEPT as a separate institution. Centre for environmental Planning and Technology is an esteemed University offering under graduate and Post graduate degree programs in Natural and Built Environment. The aim of CEPT is to impart higher education in Technology and Developmental Sciences. CEPT is acting as Anchor Institute for infrastructure in a scheme of Government of Gujarat.

## About BVM

BVM, the first degree engineering college of Gujarat State was established by Charutar Vidhya Mandal in 1948 with the blessing of Sardar Vallabhbhai Patel. The founder Principal of this college was Principal Junarkar. BVM celebrated its diamond Jubilee Year in 2008. Since then, with the generous financial help from BVM Alumni and other donors a great thrust has been provided for modernization of laboratories and infrastructural facilities. BVM has been selected as a Nodal Institute for Infrastructure.

## About SPCE

Sankalchand Patel College of Engineering is Established in 1999 by Shri Bholabhai C.Patel, chairman of Nootan Sarva Vidhyalay Kelvani Mandal-VISNAGAR with an aim of producing world class professionals in the specialized fields of Engineering and Management sciences. The Institute is approved by all India Council for technical Education AICTE (New Delhi) and affiliated to Gujarat Technological University, Ahmedabad.

## About the Department

The Electrical Department is running the UG programs from 1999 and PG programs in power system from 2009. The Department is equipped with 10 labs, departmental library, classrooms with modern teaching aids and staff rooms. Various labs like; Electrical Machines Labs, High Voltage lab Power Electronics lab, Power System & Protection Lab, computer and microprocessor lab, PG research Lab are being established. The instrumentation lab is enriched with real time PID controller and PLC controller. To support the research activities department has Softwares like MATLAB, Mipower, PSIM and PSCAD.

## Registration Form

Three days workshop

on

**“Advancements in Power system & Power Electronics”**

**(1<sup>st</sup> to 3<sup>rd</sup> March 2012)**

**Name:** \_\_\_\_\_

**Designation:** \_\_\_\_\_

**Organization:** \_\_\_\_\_

**Address for Correspondence:**

**Phone no:** \_\_\_\_\_

**Fax no:** \_\_\_\_\_

**E mail:** \_\_\_\_\_

**Registration fee details**

**Draft No:** \_\_\_\_\_ **Amount:** \_\_\_\_\_

**Issuing Bank:** \_\_\_\_\_

**Signature of Applicant**

Certified that the above information is true to the best of my knowledge and the applicant is authorized to attend.

Signature with seal of Employer