

**Last Date for Application:**

January 13, 2012

**Confirmation of Participation:**

January 17, 2012 (by email).

**Send Completed Registration Form to:**

Prof. P.R.Gandhi / Prof. N.A.Rathod  
Electrical Engineering Department  
**Sardar Vallabhbhai Patel Institute of  
Technology,**  
Vasad – 388 306  
Dist. Anand, Gujarat

Phone No.: (02692) 274766 (Extension - 244)

Fax No.: (02692) 274540

Email: acs\_svit@yahoo.com

Mobile No.: 9428420768 & 9687310690



**Prerequisites:**

Basic knowledge of Mathematics & Control System Engineering,

**Who should benefit:**

Faculties of Engineering Colleges, UG/PG students, Working Professionals of Private Sectors / Public Sectors, in the area of Control System.

**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 21<sup>th</sup> January, 2012.

**Registration Fee:**

Rs. 500/- for UG/PG students, Rs.750/- for faculties of engineering colleges approved by AICTE and Rs. 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. TA/DA will be bear by sponsoring institute/participant.



Govt. of Gujarat  
Commissionerate of Industries  
**CEPT, Ahmedabad**  
Sponsored Workshop

Birla Vishvakarma Mahavidyalaya  
Vallabh Vidyanagar – 388 120  
Nodal Institute for Training Programs on  
Infrastructure Sector



Workshop on  
**Advanced Control System**

23 - 25 January, 2012

**Coordinators:**

Dr. C.D. Kotwal  
Prof. P.R.Gandhi                      Prof. N.A.Rathod  
Prof. N.N.Shah                      Prof. P.D.Giri  
Prof. Aneesh Nair  
Mr. N. N. Shukla (BVM Coordinator)

**Organized by:**

Electrical Engineering Department  
**Sardar Vallabhbhai Patel  
Institute of Technology (SVIT)**  
Vasad, Dist. Anand, Gujarat.  
PIN – 388 306



### Introduction:

Control System Engineering has played a vital role in the advancement of Engineering and Science. Advances in the theory and practice of control system provide the means for attaining optimal performance of dynamic system and improving productivity. It is necessary to obtain in-depth knowledge about Advance Control Techniques which comprises of Non Linear Control, Digital Control, Optimal Control and Stability Analysis. In order to meet this requirement a workshop on Advanced Control System is planned at Sardar Vallabhbhai Patel Institute of Technology (SVIT), Vasad during 23-25 January, 2012 under the aegis of Centre of Environment Planning and Technology (CEPT), Ahmedabad (Anchor Institute for infrastructure in a scheme of Government of Gujarat) and Birla Vishvakarma Mahavidyalaya (Nodal Institute for training programs on infrastructure sector.)

### Learning Objectives:

The workshop aims to provide knowledge about advanced control methods used for optimization. The workshop will cover the aspects about how to implement the various control techniques for the optimization using simulation software like MATLAB/Simulink.

### Resource Persons:

The workshop will be conducted by the faculties from the department, invited experts from the other Institutes / Industries.

### About CEPT University:

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 Vidya 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 SVIT:

SVIT established in 1997, is a technical institute approved by AICTE and affiliated to Gujarat Technological University. It offers Degree courses in Civil, Mechanical, Electrical, Aeronautical, I&C, E&C, IT and Computer engineering, and Master of Engineering in Civil, Mechanical and E&C Engineering. The campus of SVIT spread over 26 acres of land, also accommodates Architecture and MCA colleges. The departments of Civil, Mechanical, Electrical, E&C, IT, and Computer Engineering are accredited by NBA.

The SVIT is located on the bank of river Mahi at Vasad on NH8, in a pollution free environment, 20 km from Vadodara, 18 km from Anand and 90 km from Ahmedabad. Vasad is well-connected from Baroda and Ahmedabad by road and railway.

### Course Contents:

- \* Modeling of System
- \* Stability Analysis of System
- \* Pole Placement Methods
- \* Non Linear Control & Predictive Control
- \* Linearization of Non Linear Control System
- \* Digital & Optimal Control System
- \* Power Plant Automation.

## REGISTRATION FORM

Workshop on

### Advanced Control System

23-25 January, 2012

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

(in Block Letters)

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

Organization \_\_\_\_\_

Experience: \_\_\_\_\_ Years

Address for Correspondence:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Email: \_\_\_\_\_

Registration Fee details

Draft No. \_\_\_\_\_ Amount Rs. \_\_\_\_\_

Bank: \_\_\_\_\_

Signature of participant

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