

## CHIEF PATRONS

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## MENTORS

**Prof. Dr. A. V. Deshpande**  
Campus Director, Vadgaon (Bk), Pune

**Prof. M. G. Bhat**  
Director, Engineering, STES, Pune

## ADVISORY COMMITTEE

**Prof. Dr. S. D. Lokhande**  
Principal, SCOE, Pune

**Prof. Dr. Y. P. Reddy**  
Vice - Principal, SCOE, Pune

**Prof. Dr. S. S. Shastri**  
HOD, Civil Engg. Dept., SCOE, Pune



## AFFILIATIONS AND ACCREDITATION :

Sinhgad College of Engineering started academic functioning in the academic year 1996-1997. The major institutional highlights are:

1. Recognized by the All India Council for Technical Education (AICTE), New Delhi.
2. Affiliated to University of Pune
3. "A" grade awarded by Directorate of Technical Education (DTE), Maharashtra State, Mumbai
4. Accredited by National Board of Accreditation (NBA) AICTE, New Delhi

## ABOUT CIVIL ENGINEERING DEPARTMENT:

Civil Engineering Department at Sinhgad College of Engineering, Pune was established in the year 2000. As a symbol of academic excellence, the Department received five years prestigious accreditation by NBA-Delhi. Along with postgraduate courses in Structural Engineering, Hydraulics & Environmental Engineering, the Department is also recognized as Research Centre by University of Pune for PhD studies. Students of Civil Engineering secured several university ranks in examination & after graduation; they have secured key positions in professional organizations. The department is enriched with 11 laboratories with sophisticated instruments. Experienced & dedicated teaching faculty with specialization in various disciplines of Civil Engineering is the strength of the department. Besides central library, departmental library provides various reference books. Industries offer sponsorship to projects for both undergraduate & postgraduate studies.



Sinhgad Institutes

Sinhgad Technical Education Society's  
**SINHGAD COLLEGE OF ENGINEERING, PUNE**  
**DEPARTMENT OF CIVIL ENGINEERING**

Organizes

ONE WEEK

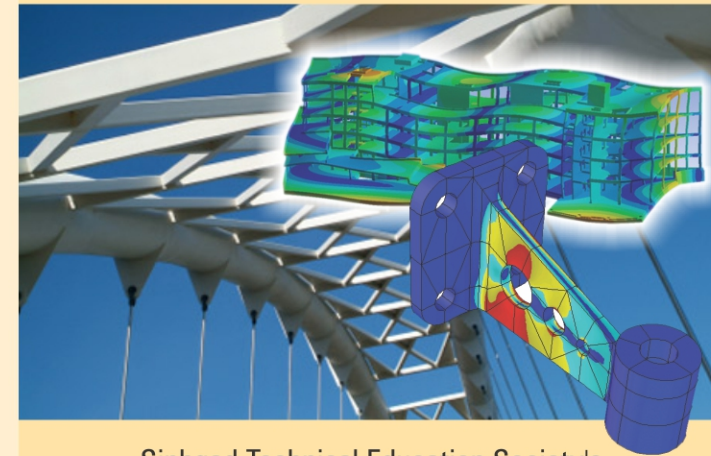
**FACULTY DEVELOPMENT PROGRAMME (FDP)**

ON

*Scope of Finite Element Method  
in Civil Engineering*

9<sup>TH</sup> -13<sup>TH</sup> DECEMBER 2013

Co-ordinator :  
**Dr. S. S. Angalekar (9422613967)**



Sinhgad Technical Education Society's  
**SINHGAD COLLEGE OF ENGINEERING**

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Website: - [www.sinhgad.edu](http://www.sinhgad.edu)

ONE WEEK  
FACULTY DEVELOPMENT PROGRAM (FDP)  
ON

*"Scope of Finite Element Method  
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**REGISTRATION FORM**

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

Sex: M/F \_\_\_\_\_ Age: \_\_\_\_\_ Years

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

Qualification: \_\_\_\_\_

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

Mailing Address: \_\_\_\_\_

\_\_\_\_\_ Pin: \_\_\_\_\_

Contact No: \_\_\_\_\_ (O) \_\_\_\_\_ (R)

Fax: \_\_\_\_\_ Mobile: \_\_\_\_\_

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

Accommodation Required Yes/No

Registration Payment Details:

Cheque/DD No: \_\_\_\_\_

Date: \_\_\_\_\_ Amt: \_\_\_\_\_

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

Sign of Participant Sign of Organization/Institute

Date: \_\_\_\_\_

**INTRODUCTION:**

Finite element method of analysis is a purely mathematical and computer based technique of solving simple as well as complex type of practical engineering problems which arise in different fields. It is widely used by Civil, Mechanical engineers and researchers for 2D and 3D simple as well as complex problem analysis and solution. In civil engineering, it is a very powerful tool for analysis in the field of structural engineering, fluid mechanics, and geo-technical engineering.

**COURSE OBJECTIVES / CONTENTS:**

Main aim of this course is to provide the participants in depth understanding of FEM and its practical applications. Following contents will be covered:

1. Basics of FEM Analysis
2. Available wide range of Elements
3. Available material models, soils and interfaces / joints
4. Modeling / Meshing of Problems
5. Use of FEM in engineering discipline
6. Demonstration of available softwares, which are commonly used in Industry
7. Practice examples & problem solutions

**SPEAKERS:**

FDP will be conducted by highly qualified and experienced faculty members from Institutes like NITs, Govt. Colleges, as well as some industrial personnel and consultants also.

**REGISTRATION:**

Please fill up all the details in enclosed registration form and send it along with the fees by 4th December 2013. Entries will be accepted on "first come first served" basis only. Detailed schedule will be communicated with the confirmation

**WHO CAN REGISTER?**

- Researchers
- Academicians in the area of Civil, Mechanical, Production etc.
- PG Students
- Industrial Personnel

**REGISTRATION FEES:**

Industrial Personnel / Consultants	Rs. 3,000/-
Academicians	Rs. 2,500/-
Students	Rs. 1,500/-

**MODE OF PAYMENT:**

All payments are to be made by demand draft (Nationalized Bank only) or at par cheque or by cash also. DD or cheque in favour of "**Principal, Sinhgad College of Engineering, Pune**" payable at Pune.

**ACCOMMODATION:**

Shared accommodation will be arranged for limited number of participants on prior request.



Note: Photocopy of form can be used.  
Please confirm your participation by E mail or phone