

ISTE Sponsored FDP on
**COMPUTATIONAL METHODS AND FEA IN
MECHANICAL SCIENCES**

7 - 11 July, 2014

REGISTRATION & SPONSORSHIP FORM

Name:

Qualification:

Designation:

Institution/ Organization:

Address for Correspondence:

ISTE Membership No.

Tel. (O):

Mob:

Email:

DD Particulars:

Amount : _____

No. _____

Bank: _____ Date: _____

Accommodation required: Yes / No

Date: _____ Signature of the Applicant

SPONSORSHIP

This is to certify that Dr./Mr./Ms. _____
_____ is an employee of our
institution/organization and he/she is hereby sponsored for
the above training program. The applicant would be
permitted to attend the course, if selected.

Place: _____ Signature of Sponsoring Authority
Date: _____ (Office Seal)

ORGANIZING COMMITTEE

CHIEF PATRON:

His Holiness Shri Vishwavallabha Thirtha Swamiji,
President, SSVMET

PATRONS:

Shri P. Srinivas Tantry, Vice-President, SSVMET
Shri Ratnakumar, Secretary, SSVMET

CHIEF COORDINATOR:

Prof. Dr. Radhakrishna S. Aithal, Principal

COORDINATOR:

Prof. Dr. Ganesha A. Dean (Academics)

CONVENER:

Prof. Vivekanand Huddar,
Head, Department of Mechanical Engineering.

ADVISORY COMMITTEE:

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Shri P Ramdas, MD, Ace Manufacturing Systems Ltd., Bangalore
Prof. Dr. Sathish Shenoy, MIT, Manipal
Mr. Harish B. Technical Advisor, SMVITM

CONTACT DETAILS:

CONVENER:

Prof. Vivekanand Huddar
Associate Professor & Head,
Department of Mechanical Engineering.
Mobile: +91 96204 18750
Email: mech@sode-edu.in

Contact Persons:

Mr. Mayura H. N.
Asst. Prof., Dept. of Mech. Engg.
Mobile: +91 94817 10593
Email: mayurahn@gmail.com

Mr. Kishor Kumar Aroor
Asst. Prof., Dept. of Mech. Engg.
Mobile: +91 99014 16595
Email: kisharoor11@gmail.com

Note: Scanned copies of registration forms can be mailed to:
istefc@sode-edu.in



प्रज्ञा प्रतिष्ठा

ISTE

*Sponsored
Faculty Development Program on*

**COMPUTATIONAL METHODS AND
FEA IN MECHANICAL SCIENCES**

7 - 11 July, 2014



Organized by

**Shri Madhwa Vadiraja Institute of Technology
& Management, Bantakal, Udupi – 574 115
Karnataka, India**

Tel.: +91 820 2589182, +91 820 2589183

Fax: +91 820 2589184

E-Mail: info@sode-edu.in

Website: www.sode-edu.in

INTRODUCTION

Computational Methods and FEA have been widely applied in mechanical sciences, specifically in modeling and analysis of different physical domains like solids and structures, fluid dynamics and MEMS in obtaining arbitrary values. This in turn provides better understanding, application and examination when compared with analytical and experimental methods.

The aim of the present program is to impart training in:

- Fundamentals of applied mechanics using the modeling, simulation and results display facilities in FEA packages
- Effective use of FEA software for analysis and design tasks in Mechanical Engineering
- Design and analysis through relevant case studies from the industry

TOPICS COVERED

- ☞ Modeling and simulation of static, modal, harmonic, dynamic and stability analysis using:
 - ☞ 1-D elements
 - ☞ 2-D elements
 - ☞ 3-D elements
- ☞ Case study – Crankshaft Dynamics
- ☞ Case study – Rotor Dynamics

Resource persons will be eminent professors from reputed institutions like IISc., Bangalore, NITK, Surathkal and MIT, Manipal.

ELIGIBILITY CRITERIA

Engineering faculty members of technical universities, degree level technical institutions approved by AICTE, Industry and R&D organization

personnel are eligible to attend the program. Participants must be a life member of ISTE. However, if a non ISTE member wishes to participate, he/she must become a member by paying an amount of Rs. 3000/- in addition to the registration fee. The total number of participants allowed to participate in the program is 40 and the registration will be done on a first come first served basis.

REGISTRATION FEE

ISTE members : Rs. 500/-

Non ISTE members : Rs. 1000/-

Registration fee includes accommodation, food and course material. No TA/DA will be paid.

The registration fee can be paid through a Bank Demand Draft (DD) drawn in favor of "ISTE Chapter, SMVITM, Bantakal" payable at Udupi only. The filled-in registration forms along with DD should reach the convener on or before 9 June 2014. Registration & Sponsorship form can also be downloaded from the website.

IMPORTANT DATES

Last date for Applying : 9 June 2014

Intimation of Selection : 16 June 2014

Confirmation from the Applicant : 19 June 2014

Program : 7-11 July 2014

ABOUT THE DEPARTMENT

The department offers an undergraduate program in Mechanical Engineering that covers a wide range of courses in the fields of thermal and fluid sciences, engineering design, dynamics and control, materials and manufacturing and modeling and simulation as per VTU curriculum to suit the interest

of students and meet the present industry requirements.

All the faculty members possess postgraduate degree as minimum qualification in different specializations with three of the faculty members pursuing Ph.D under VTU. The Department's main focus is on faculty development as it is the prime requisite for achieving the short and long term departmental goals. Teaching and learning activities are geared towards the development of intellectual curiosity, creativity and innovation in the students.

ABOUT THE INSTITUTE

Established in the year 2010 under the aegis of Shri Sode Vadiraja Mutt Education Trust®, Udupi, Shri Madhwa Vadiraja Institute of Technology & Management (SMVITM) has emerged as a promising institution with a distinction. His Holiness Shri Vishwvallabha Theertha Swamiji of Shri Sode Vadiraja Mutt, Udupi, the President of the Trust, at the very young age of 24 years promoted SMVITM to up-lift the rural community in the form of basic education, in general and technical education, in particular. Even though in the infant stage, the Institute has reached milestones like conducting a national level conference NCEEM – 2013 and a visit by Dr. A P J Abdul Kalam, Ex President of India. It is located in a picturesque place called Vishwothama Nagar in Bantakal, near world famous temple town, Udupi, a relatively small but a culturally vibrant and intellectually enlightened town situated in coastal Karnataka. The institute campus is on the Katapady-Belman road, about 6 km off NH 66, 12 km away from Udupi and well connected to Kundapura, Karkala and Mangalore by road.