ABOUT INSTITUTE

L.D. College of Engineering, Ahmedabad is a premier engineering institute in Gujarat State with the objectives of imparting higher education in various fields of engineering. The institute is affiliated to Gujarat Technological University and administrated by Department of Technical education, Gujarat State. Sheth Shri Kasturbhai Lalbhai established institute in 1948 with generous donation. It is situated adjacent to Gujarat Technological University and at nucleus of various national level institutes like Gujarat University, PRL, ATIRA, ISRO, IIM etc. The campus is having building for various departments offices, hostels, library with 38,000 sq.m. The institute made a modest start with 75 students for undergraduate programs in 1948 and post graduate programs in 1954. At present institute offers 14 undergraduate and 16 post graduate programmes.

APPLIED MECHANICS DEPARTMENT

Applied Mechanics Department is one of the oldest departments of L. D. College of Engineering, Ahmedabad. Besides undergraduate programme in Civil Engineering, department offers postgraduates programme in Computer Aided Structural Analysis & Design(CASAD) and in Geotechnical Engineering and is also a part of Gujarat Technological University doctoral programme. The department has many doctorate faculty members with professional experience. Department has a strong desire of forging innovative alliance with industry to achieve academic excellence along with training on current professional practices.

ABOUT THE UNIVERSITY

Gujarat Technological University was established vide Government of Gujarat legislature act no 20 of 2007, dated 16th May, 2007. The Education Department, Government of Gujarat has affiliated Degree and Diploma Engineering, Degree and Diploma Pharmacy colleges from the academic year 2008-09 with Gujarat Technological University. MBA, MCA, M.E. and M. Pharm courses were affiliated with Gujarat Technological University from the academic year 2009-10.

Gujarat Technological University is established with the prime objective to create centers and institutes of excellence in the areas of science, engineering and management. The University's constant endeavor is towards the advancement of quality of life of mankind in general through its research and development work in the domain of science, engineering and management development and application.

HOW TO APPLY

The completed application along with Demand Draft and sponsoring certificate should be sent to

"The Head of Applied Mechanics Department"
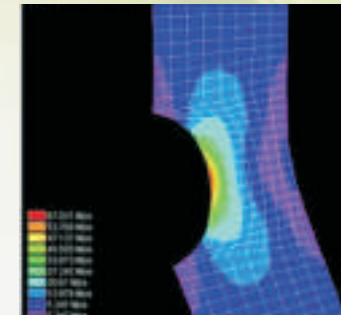
L. D. College of Engineering, Ahmedabad-380015

Phone: 079-26306752, 26303190

Last date of receipt of completed application is 20/6/2012. The selected participants will be informed through email before 23/06/2012.

Coordinators:
Dr. R. K. Gajjar
Dr. B. J. Shah
Prof. M. D. Vakil
L. D. College of Engineering, Ahmedabad

Core Faculty:
Dr. Amit Prashanth
Prof. Raghu Echempati
IIT, Gandhinagar

Organized by :

GUJARAT TECHNOLOGICAL UNIVERSITY

In collaboration with

**Applied Mechanics Department,
L. D. College of Engineering, Ahmedabad**

PREAMBLE AND OBJECTIVES

Finite Element Method, a powerful numerical method is a versatile tool to provide solutions to many complex problems of engineering. Finite element method is now used in many commercially available computer software for analysis of such complex problems. Furthermore, the availability of fast and inexpensive computers allows engineers and architects to solve daily engineering problems with such a tool, but at the same time it is also important to use this tool with proper understanding and theoretical knowledge.

The main objective of the program is to link the gap between theory and practice of finite element method. The finite element modeling and material modeling is one of the important issues in the method, which is the thrust area of this program.

COURSE CONTENT

- Various aspects of finite element modelling and material modelling.
- Case study & applications of real life problems using FEM
- Demonstrations of FEM packages
- Hands on training sessions of FEM packages
- Solution of problems using manual calculations

FACULTY

The course will be conducted by faculty from I.I.T., Gandhinagar, I.I.T. Kanpur and experienced faculty form the department.

WHO SHOULD ATTEND ?

- Civil Engineers engaged in design and construction of structures from various government and private organizations.
- Senior professionals responsible for directing these activities.
- Faculty members of various institutions
- Research scholars of Ph.D. and P.G.

NUMBER OF CANDIDATES

The maximum number of seats is limited to 45.

FEES

No fees for faculties and research scholars/PG students. For others, the course fees is Rs. 1000/- , which includes course materials, lunch and tea.

Fees for the STTP will be accepted only through Demand Draft in favor of "Gujarat Technological University" payable at Ahmedabad with application form. TA/DA will not be paid to any participant.

DATE & TIME OF REGISTRATION

26th June, 2012 at 10:00 a.m

VENUE

Ahmedabad Management Association
ATIRA Campus
Dr. Vikram Sarabhai Marg,
Ahmedabad 380 015.

CONTACT (for further information)

- **Dr. B. J. Shah**
  (M) 9909980007, E-mail : bjshah.ldce@gmail.com

- **Prof. M. D. Vakil**
  (M) 9824669949, E-mail : merool.vakil@gmail.com