A SHORT COURSE ON
Finite Element Analysis – Engineering Applications and Programming
June 8–19, 2016

COURSE OBJECTIVES

- *To provide fundamental understanding of Finite Element Analysis.*
- *A clear understanding of the formulative steps involved in the finite element model development.*
- *Enable to write a finite element computer module for a physical problem*
- *FEM concepts along with element selection, mesh design, interpretation of results in light of qualitative understanding of the problem being analyzed*
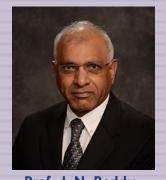
TARGET PARTICIPANTS

- *Engineers and faculty members of*

Mechanical *Production Industrial Civil* Applied Mechanics *Manufacturing Automobile Aeronautical Chemical Mining Rubber/Plastic* Mathematics

- *Senior professionals responsible for directing FEM activities.*
- *Researchers planning and conducting research projects in the field of Finite Element Analysis.*
- *Individuals with interest in modeling and analysis of engineering problems.*

COURSE FACULTY

Prof. J. N. Reddy
(Texas A&M University)

- Oscar S. Wyatt Jr. Chair, Regents Professor, Distinguished Professor
- Work implemented into software like ABAQUS, NISA, & HyperXtrude
- Author of 540 journal papers and 19 text books
- Developed the Reddy third-order shear deformation theory and the Reddy layerwise theory
- Member, US National Academy of Engineering
- Worcester Reed Warner Medal (1992), Charles Russ Richards Memorial Award (1995) from the ASME
- Archie Higdon Distinguished Educator Award (1997) from the Mechanics Division of the ASEE
- Nathan M. Newmark Medal (1998) & Raymond D. Mindlin Medal (2014) from the ASCE
- Excellence in the Field of Composites (2000) and Distinguished Research Award (2004) from the ASC

Contact
Course coordinator: Dr. Amit Arora
Email: amitarora@iitgn.ac.in
Phone: +91-79-32455011
Fax: 079-23972586

Links
Online Registration:
http://goo.gl/forms/KHm539pe0h
Website:
http://www.iitgn.ac.in/fem-2016/

INDIAN INSTITUTE OF TECHNOLOGY GANDHINAGAR
Palaj, Gandhinagar, Gujarat 382355