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L. D. COLLEGE OF ENGINEERING



L. D. College of Engineering, Ahmedabad is a premier Engineering institute in Gujarat State, established with the objective of imparting higher education in various fields of engineering. The institute is affiliated to Gujarat Technological University and administrated by Commissioner of Technical education, Gujarat State. Sheth Shri Kasturbhai Lalbhai established the institute in 1948 with generous donation. It is situated adjacent to Gujarat University and at nucleus of various national level institutes like PRL, ATIRA, ISRO, IIM etc. The campus consists of buildings for various departments, offices, hostels and library with 45,220 sq. meter plinth area. At present institute runs 14 undergraduate, 18-post graduate and 4 part-time programs.

L. D. COLLEGE OF ENGINEERING

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ISTE Approval is in Progress as on date 29/11/16

INTRODUCTION TO BOUNDARY ELEMENT METHOD

January 09 to 13, 2017



Convener

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Boundary integral equations are a classical tool for the analysis of boundary value problems for partial differential equations. The boundary element method (BEM) is a numerical computational method of solving linear partial differential equations, which have been formulated as integral equations (i.e. in boundary integral form). It can be applied in many areas of engineering and science including fluid mechanics, acoustics, electro-magnetics, and fracture mechanics. BEM is applicable to problems for which Green's functions can be calculated.

IMPORTANT DATES

- **LAST DATE OF APPLICATION: 23/12/2016**
- **CONFIRMATION: 30/12/2016**

INTRODUCTION TO BOUNDARY ELEMENT METHOD

Resource Persons:

Dr. Kirkup Stephen Martin, University of Central Lancashire, Preston, United Kingdom
Dr. H. C. Patel, L. D. College of Engineering, Ahmedabad, India, Other experts may be invited.



Topics to be covered : Wave Equation, Heat Equation, Laplace Equation, Numerics of Elliptic PDEs, Numerics of Parabolic PDEs, Numerics of Hyperbolic PDEs, Boundary Element Method, Finite-Difference Time-Domain Method, Backward heat conduction.

REGISTRATION FEES

Participants (except Industry Person) need to submit registration fess through Net-banking Rs. 7000 /- (Seven Thousand). **In case of the remaining fund after the STTP, the amount up to the fees will be distributed amongst the participants.**

FOR WHOM

- Teachers from Engineering / Diploma Institute and University
- Researchers and PG Students having good records
- Industry persons

HOW TO APPLY

For Registration fill the data in the following link :

<https://goo.gl/forms/d4jj8gfloyBdN3kg1>

Then send the hard copy by post or in person.

DETAILS

Candidate has to send the application form duly signed by Head of the Institute with receipt of Net banking of Rs. 7000 /- on or before December 23, 2016. **Net banking:**

- A/c Name: Principal, L D College of Engineering
- A/c Number: 30769133013
- Bank Name: State Bank of India, Gujarat University Branch.
- IFSC Code: SBIN0002651

SPONSORSHIP

- Industry Person need to transfer online Rs. 10000 /- (Ten Thousand) in favour of Principal, L. D. College of Engineering, Ahmedabad.
- Sponsorship is invited in the name of Principal, L. D. College of Engineering, Ahmedabad.