

OBJECTIVES OF THE PROGRAMME

- To provide understanding of numerical analysis
- To provide brief introduction in C++ Programming
- To develop numerical computation skill with the help of programming
- To develop understanding by interactive session

COURSE CONTENTS TO BE DISCUSSED

- Introduction to C++ Programming
- Mathematical Preliminaries and Error Analysis
- Solutions of Equations in one variable
- Interpolation and Polynomial Approximation
- Numerical Differentiation and Integration
- Initial Value Problems for Ordinary Differential Equations
- Direct Methods for solving Linear systems
- Iterative Techniques in Matrix Algebra
- Approximation Theory
- Approximating Eigen values
- Numerical Solutions of Nonlinear Systems of Equations
- Boundary- Value problems for Ordinary differential Equations

- Numerical Solutions to Partial Differential Equations.

THE DEPARTMENT

The department of Applied Mathematics and Humanities is one of the pioneering departments of the Institute. The department teaches various topics in Mathematics, Physics, Chemistry, English and Management to undergraduate and post graduate students of different engineering courses. It has 18 qualified and dedicated faculty members engaged in teaching, research and development with the aim of achieving excellence in their fields.

In the pursuit for research the faculty members of the department have covered a vast area such as Numerical & classical methods in Fluid Mechanics, Tribology, Special Functions, Integral Transforms, Fuzzy Logic, Mathematical Modeling, Numerics of differential equations, Fractional differential equations, Mathematical and Computational Biology, Non-linear optics, Material Science, Nanotechnology, Solid State Ionics, Electronics, Computational & mathematical Physics along with Simulation & Modeling in Physics and Post modern fiction, Indian English fiction.

Over the years the Department of Applied Mathematics & Humanities has successfully organized several Conferences/ Workshops/ Symposia/ Summer/ Winter School.

EVALUATION

The test will be organized at the last day for all participants.

APPLICATION FORM ISTE APPROVED SHORT TERM TRAINING PROGRAMME On “NUMERICAL COMPUTATION BY PROGRAMMING” (20/06/2016 to 24/06/2016)

1. Name: Prof./Dr.
2. Edu. Qualification:.....
3. Designation:
4. Name of Organization:
5. Type of Organization:.....
6. Address:.....

Phone.....Fax.....

Email.....

7. ISTE Membership No(If Any).....

8. Experience (years) in relevant area

Teaching:.....Industry:.....

Place:.....

Date:..... Signature of the
Applicant

Certified that the above applicant is employed in our organization and the information stated by him/her is verified and found correct. We therefore, sponsor him/her to attend the short term training organized at your institute.

Date:..... Signature of sponsoring
authority with seal

IMPOTANT DATE FOR PROGRAMME

- Last date for receipt of Application 10th June 2016
- Confirmation of Selection: 11th June 2016(By Email Only)

FOR WHOM

This programme will provide excellent opportunities for

1. Teachers of all engineering streams of Degree/ Diploma institutions approved by AICTE.
2. Professionals/ Engineers from industry and R & D organizations working in the relevant field.
3. Teachers from Science Colleges.
4. PG Students form Science & Engineering College

HOW TO APPLY

For Pre registrations fill the data in the following link <http://goo.gl/forms/qYQMlOL5nD>

The applicants are required to send scanned copy of filled application form (duly signed) by email to hodgeneraldce@gmail.com on or before 10th June 2016.

Final registration: After getting conformation email, fill the data in the link provided in confirmation mail and also include scanned copy of

DD/Cheque, required to be sent on above mentioned email. The original application form and DD/Cheque must be submitted at the time of registration.

REGISTRATION FEES (Non-refundable)

For Faculty members / PG Students: Rs. 5,000/-

For Industry persons: Rs. 10,000/-

By DD/Cheque in favor of “Principal, L D College of Engineering, Ahmedabad” payable at Ahmedabad.

ABOUT THE INSTITUTE

L. D. College of Engineering, Ahmedabad is a premier Engineering institute in Gujarat State set with the objectives 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. The institute made a modest start with 75 students for undergraduate programs in 1948, post graduate programs in 1954. At present institute runs 14 undergraduate, 18-post graduate and 4 part-time programs.

L.D. College of Engineering Organizes ISTE APPROVED

SHORT TERM TRAINING PROGRAMME
ON

“NUMERICAL COMPUTATION BY PROGRAMMING”

(20/06/2016 to 24/06/2016)

Patron

Dr. G. P. Vadodaria

Convener

Prof. H. C. Patel

Coordinators

Dr. A. R. Patel

Dr. R. S. Damor

Dr. D. B. Shah

ADDRESS FOR CORRESPONDENCE

Prof. (Dr.) H. C. Patel (Convener)

General Department,

L. D. College of Engineering,

Navrangpura, Ahmedabad-15, Gujarat

Mobile: 9428693191

Email: hodgeneraldce@gmail.com

dr.prof.hepatel@ldce.ac.in

For further details, contact Coordinators:

Dr. A. R. Patel (9427308425)

Dr. R. S. Damor (9426956905)

Dr. D. B. Shah (9428800280)