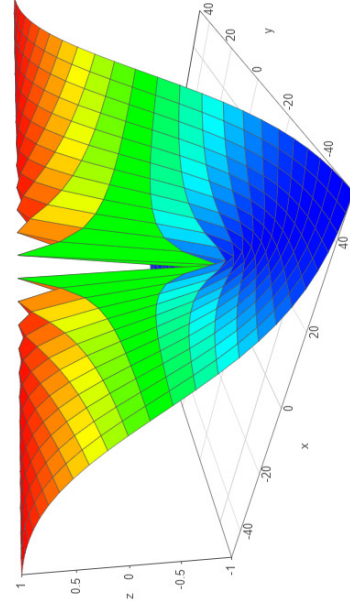# ISTE Approved Industrial Mathematics and Scientific Computing

OBJECTIVES OF THE PROGRAMME

➢ To understand mathematical modelling of real world problems.

➢ To develop core skills in applied mathematics.

➢ To learn primary skills of scientific computation.

➢ To have hands-on practice about the solution of industrial problem maths.

➢ To understand solution methods of ODE and PDE.

➢ To practice SCILAB programming.

Note: Faculty from Gujarat Govt.Tech. Inst. also need to apply through TNA.

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 students of different engineering courses. It has 18 highly 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, Postmodern fiction, Indian English fiction, Nonlinear optics, Material Science, Nanotechnology, Solid State Ionics, Electronics, Computational & mathematical Physics along with Simulation & Modeling in Physics.

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 on the last day of the FDP for all participants.

ISTE Approved Industrial Mathematics and Scientific Computing

affiliated to Gujarat Technological University and Director of Technical education.

L.D. College of Engineering

organizes

ISTE Approved

FACULTY DEVELOPMENT PROGRAMME

INDUSTRIAL MATHEMATICS AND SCIENTIFIC COMPUTING (16/12/2019 to 25/12/2019)

Chief Patron
Dr. R. K. Gajjar

Convener
Dr. H. C. Patel

Coordinators
Dr. A. B. Patel
Dr. P. L. Thakkar

ADDRESS FOR CORRESPONDENCE

Prof. (Dr) H. C. Patel (Convener)
General Department
L. D. College of Engineering
Navrangpura, Ahmedabad-15, Gujarat
Mobile: 9428693191
Email: dr.prof.hcpatel@ldce.ac.in

IMPORTANT DATE FOR PROGRAMME

Last date for receipt of Application 5th Dec, 2019
Confirmation of Selection:6th Dec 2019 (By Email Only)

RESOURCE PERSONS

1. **Dr. C. B. Bhatt (GMCAC)**
2. **Dr. Stephen Kirkup (UCLAN)**
3. **Dr. H. C. Patel (LDCE)**
4. **Dr. Jagmohan Tyagi (IITGn)**
5. **Dr. N. H. Shah (GU)**
6. **Dr. M. N. Patel (GU)**
7. **Prof. M. T. Savaliya (VGEC)**
8. **Dr. A. R. Patel (VGEC)**
9. **Dr. Manoj Sahani (PDPU)**
10. **Dr. Amit Mishra (NU)**
11. **Dr. Sandeep Malhotra (NU)**

Other experts may be invited from renowned institutes.

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.

HOW TO APPLY

For Pre registrations fill the data in the following link
https://docs.google.com/forms/d/e/1FAIpQLSeQdz UAIWdEiel7BRDFcff9-L9ve0nSBOz6Wd9vkm_Sx HWczQ/viewform?usp=pp_url
The applicants are required to send a scanned copy of filled application form (duly signed) by email to dr.prof.hcpatel@ldce.ac.in on or before 5th Dec 2019.
Final registration: After getting confirmation email, fill the data in the link provided in confirmation mail and also include scanned copy of Cheque, required to be sent on above mentioned email. The original application form and Cheque must be submitted at the time of registration.

REGISTRATION FEES (Non-refundable)

For faculty members : Rs. 4000/-
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