

## OBJECTIVES OF THE PROGRAMME

- To share knowledge on Probability and its allied topics
- To provide brief introduction of applied statistics
- To develop skills competencies and attitudinal change in individuals
- To develop understanding by interactive session

## COURSE CONTENTS TO BE DISCUSSED

- Introduction to probability and random variable
- Conditional Probability-Bayes theorem
- Discrete and Continuous probability Distributions
- Bivariate distribution
- Measures of Central tendency
- Correlation and Regression
- Curve fitting by least square method
- Test of significance for large sample
- Test of significance for small sample

**Note: Faculty from Govt. 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, Post modern fiction, Indian English fiction, Non-linear 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 at the last day for all participants.

## APPLICATION FORM NITTTR APPROVED FACULTY TRAINING PROGRAMME

### “PROBABILITY AND STATISTICAL METHODS FOR ENGINEERING”

(28/05/2018 to 01/06/2018)

1. Name: Prof./Dr. \_\_\_\_\_

2. Edu. Qualification: \_\_\_\_\_

3. Designation: \_\_\_\_\_

4. Name of Organization: \_\_\_\_\_

5. Type of Organization: \_\_\_\_\_.

6. Address: \_\_\_\_\_  
\_\_\_\_\_

Phone \_\_\_\_\_ . Fax \_\_\_\_\_

Email \_\_\_\_\_

7. 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 25<sup>th</sup> May, 2018  
Confirmation of Selection: 26<sup>th</sup> May 2018(By  
Email Only)

## RESOURCE PERSONS

1. **Prof. (Dr.) M. N. Patel (Gujarat University)**
2. **Dr. Deepak Singh (NITTTR, Bhopal)**

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://goo.gl/forms/3GEdtTccuRqa307z2>

The applicants are required to send scanned copy of filled application form ( duly signed) by email to [dr.prof.hcpatel@ldce.ac.in](mailto:dr.prof.hcpatel@ldce.ac.in) on or before 25<sup>th</sup> May 2018.

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. 2000/-  
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 administered by Director 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

NITTTR APPROVED  
FACULTY TRAINING PROGRAMME

**PROBABILITY AND STATISTICAL  
METHODS FOR ENGINEERING  
(28/05/2018 to 01/06/2018)**

### Chief Patron

Dr. G. P. Vadodaria

### Convener

Dr. H. C. Patel, LDCE  
Dr. Deepak Singh, NITTTR

### Coordinators

Dr. S. B. Chandak  
Dr. Y. R. Sharma

## ADDRESS FOR CORRESPONDENCE

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

L. D. College of Engineering  
Navrangpura, Ahmedabad-15, Gujarat  
Mobile: 9428693191  
Email: [head\\_general@ldce.ac.in](mailto:head_general@ldce.ac.in)

### For further details, contact Coordinators:

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Dr. Y. R. Sharma (7874669335)