

✚ Important Dates

- Last date for online registration: **16th June 2018**
- Last date for payment of fee: **16th June 2018**

✚ Registration Fee Details

ISTE Life Members : Rs 6000/-

Non ISTE Life Members :

Rs 9540/- (inclusive of ISTE life membership fees)

Rs.7180/- (inclusive ISTE fee for one programme)

(Course Fee includes Course material, Refreshment & Lunch).

(Payment should be through **CASH / DD / Cheque / NEFT**, DD and Cheque should be in favor of **"The Principal, Terna Engineering College"** Payable at **Navi Mumbai**)

✚ CONTACT DETAILS

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✚ Patrons

Dr. Padmasinhaji Patil, *Chairman, TPCT*

Shri. P. T. Deshmukh, *CEO, TPCT*

Shri. Amol Chavan, *Director Operational, TPCT*

Shri. Nishit Patil, *Director System & Delivery, TPCT*

Dr. L. K. Raghya, *Principal, TEC*

Dr. Subodh Kulkarni, *Vice-Principal, TEC*

✚ Convener

Dr. Satish Salunkhe

Professor, Head, Computer Engineering Department

✚ Coordinators

Mr. V. B. Gaikwad

Associate Prof., Computer Engineering Department

Email: vishwajitgaikwad@ternaengg.ac.in

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Assistant Prof., Computer Engineering Department

Email: ujwalagaikwad@ternaengg.ac.in

✚ Organizing Committee

Mr. Umesh Mantale

Mr. D. M. Bavkar

Ms. Vaishali Malpe

Ms. Arathi Boyanpalli

Ms. Nandita Singh

Ms. Preeti Narooka

✚ Resource Person

Dr. Vivek Vijay

Department of Mathematics,
Indian Institute of Technology,
Jodhpur, Rajasthan 342011



AICTE-ISTE Approved
Two Week Short Term Training Programme
on

"Probability and Statistics for Scientists and Engineers"

June 18th, 2018 to June 29th, 2018

Organized By
Computer Engineering Department

--Venue--

TPCT's Terna Engineering College

Plot No. 12, Sector-22,

Opp. Nerul Railway Station,

Phase-II, Nerul (W),

Navi Mumbai 400706



✦ About Terna Engineering College

Terna Public Charitable Trust's Terna Engineering College is one of the well known and finest technical institutions, with 'A' Grade from Maharashtra Government and having ISO 9001 quality management system. Terna offers education of the highest quality with its curriculum present a broad array of exceptional offerings in engineering & technology studies.

✦ About Computer Engineering Department

Vision: To produce trained computer professionals who can successfully meet the demands of academia, IT Industry and research by building a strong teaching and research environment.

Mission: To provide industry and research oriented quality education to UG and PG students and train them to apply this knowledge for solving real world problems and make them competitive in the ever-changing and challenging global work environment.

The department is providing innovative and quality education with high standard to achieve academic excellence.

✦ About The Programme

Probability and Statistics is well developed mathematical technique but somehow is poorly understood, at least by some of the scientists and engineers from application view point. Even when the data contains bountiful information, it may be discovered - in bits and at intervals. When one is confronted with a new problem that involves the collection and analysis of data, two crucial questions are: *How will statistics help solving this problem? And, which techniques should be used?* Many different subjective problems arise and several statistical techniques exist, ranging from making simple plots of data to iterative model building and parameter estimation. With this backdrop, the primary objective of the workshop is to provide understanding of probability and (statistical techniques with focus on its application to the problems in life sciences, management and engineering systems.

✦ Objectives:

After successful completion of STTP, participants will be able to:

- To deal with analysis of data in real life,
- To use statistical techniques in their area of research
- To identify and apply the right statistical tools and techniques while conducting research,

Focus will be given to the research problems in various fields of engineering.

✦ Workshop Contents

1. Mathematical Prerequisites
2. Why is the need of a random variable? Random Variable, Distribution Function, Univariate Distributions, Functions of Random Variables, Expectation
3. Properties of Expectation, Variance, Moment Generating Function, Applications
4. Special Discrete and Continuous Distributions
5. Normal(Gaussian) Distribution and Applications, Central Limit Theorem
6. Joint, Marginal and Conditional Distribution
7. Bi-variate Normal Distribution, Correlation and Linear Regression
8. Large Sampling Distribution, Point Estimation, Maximum Likelihood
9. Inferential Statistics
10. Confidence Interval, Hypothesis Testing and Other Applications

✦ Targeted Audience

Faculty Members, Ph.D., M. Tech and M.Phil. Students, Practitioners from Industry, Researchers and academicians.

✦ Pedagogy

The pedagogy will be judicious mix of classroom activities such as lectures, group discussions, exercise and demonstrations.

AICTE-ISTE Approved Two Week STTP on "Probability and Statistics for Scientists and Engineers"

Registration Form (Offline Registration)

Full Name: _____

Designation: _____

Institute: _____

Gender: Male/ Female

Postal Address: _____

Email Id: _____

Mobile. No: _____

ISTE Membership No.: _____

Date:

Place:

Signature of Participant:

Online Registration

terna.org/sttp

Participants can do registration through "NEFT/RTGS"

Beneficiary Name Principal, Terna Engineering
College, Nerul

Bank Union Bank of India

SB A/C No. 564301010000360

IFSC Code UBIN0556432

MICR Code 400026124

Branch Nerul (West)

Pin code 400706

Website: www.terna.org