

REGISTRATION FORM  
Short Term Course on  
"Applied Statistics for Experimenters"  
(October 09-13, 2017)

Name: .....

Designation : .....

Address: .....

.....

Teaching Experience (in years):.....

Contact No. :.....

Email:.....

Details of registration fee -

DD. No. .... Dated.....

Bank Name:.....

for Rs. .... is enclosed

Accommodation required: Yes/ No

Sponsoring/Forwarding Authority:

Name:.....

Designation:.....

Signature of Candidate

Signature of  
Sponsoring  
Authority

**Patron**

**Prof. Udaykumar R. Yaragatti**  
Director, MNIT Jaipur

**Conveners**

**Prof. G.S. Dangayach**  
Head, Mechanical Engineering  
&  
**Dr. Kailash Singh**  
Head, Chemical Engineering

**Coordinators**

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Assistant Professor, Mechanical  
**Dr. Sushant Upadhyaya**  
Assistant Professor, Chemical  
**Dr. M. L. Meena**  
Assistant Professor, Mechanical

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SHORT TERM COURSE  
on

"Applied  
Statistics  
for  
Experimenters  
(ASE-17)"

(October 09-13, 2017)

Sponsored  
by  
TEQIP-III

Organized by

Department of Mechanical Engineering  
&  
Department of Chemical Engineering

Malaviya National Institute of Technology Jaipur



# ABOUT

Malaviya National Institute of Technology Jaipur is one of the NITs established in Jaipur known as Pink City. Institute was established as a joint venture of the Government of India and the Government of Rajasthan in 1963. Subsequently; on June 26, 2002 the college has been given the status of National Institute of Technology and on 15 August 2007, Proclaimed Institute of National Importance through Act of Parliament. The Institute is fully funded by Ministry of Human Resource Development (MHRD), Government of India. MNIT campus spreads over 325 acres of lush green area in the central location of Jaipur city. At present the Institute offers undergraduate and post graduate courses (M.Tech. / M.Sc. / MBA & Ph.D.) to about 4500 students in almost all leading fields of engineering, technology, management and sciences. The Institute has renowned faculty and labs with state of the art equipment. The institute is actively engaged in research, consultancy and developmental activities besides imparting regular teaching.



## About the Course

Statistics is undoubtedly one of the most valuable of all disciplines of engineering, psychology & education since virtually all organizations have data from which inferences must be drawn. In this course on statistics, you will learn the fundamental concepts of statistics and their tools which may access you to catalyze innovation, problem solving and discovery immediately to the problems that you encounter on the job. This will be accomplished by the extensive use of intuition, graphical plots, and real-world examples. Whether you are new to statistics or are looking for a refresher course, you will find this STC a great way to get up to speed quickly in a cost-effective manner.

## Contents

- Measure of Central Tendencies
- Probability Distribution
- Sampling Theory
- Hypothesis Testing
- Type I & Type II Error
- Level of Significance
- Parametric and Nonparametric Tests
- ANOVA
- Correlation and Regression
- Basics of DOE
- Robust, RSM, Factorial etc.
- Quality Control & 6 sigma
- SPC (Statistical Process control)
- Statistical Software to speed quickly in a cost-effective manner.

## Experts from

- RDSO /IIT/Central Universities
- MNIT Jaipur

## Venue

Deptt. of Chemical Engineering  
Malaviya National Institute of Technology Jaipur

## Target Participants

- Faculty members dealing with courses in any branch of Engineering, Science, and Education.
- Research scholars pursuing PhD, PG and UG students.
- Scientists, Engineers, Educationist, and Managers from Industry and R & D Organization.

## Registration

The application in the prescribed format along with the registration fee should be sent to the program coordinator via post or email latest by September 30, 2017. The participants will be intimated by Oct.1, 2017. The bank demand draft should be drawn in favor of "Registrar, MNIT Jaipur".

## Registration Fee

• Participants from Industry :Rs.5000/-  
• Participants from Academic Institutes :Rs.2000/-  
• Student Participants (Research Fellow):Rs.1000/-  
Limited accommodation (payment basis) can be arranged on shared basis in the Guest House-2 / Hostel at MNIT Jaipur on first come first serve basis. The program will provide registration kit, working Lunch and Refreshment for the participants on working days. No TA/DA will be provided to the participants.