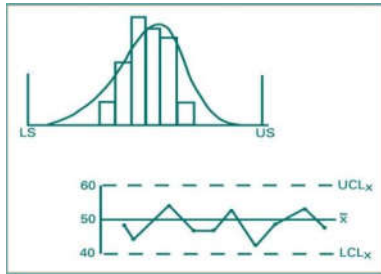


**Online
6 Day Short Term Training
Program**

On
**Applied Statistics for
Engineers and Researchers**
August 10-15, 2020



Patron

Dr. P.M.Padole, Director, VNIT

Convener

**Dr. Rajesh Gupta
Professor and Head,
Civil Engineering Department**

Coordinator

Dr. Karthik Balasundaram, (VNIT)



Organized by

**Civil Engineering Department
Visvesvaraya National Institute of Technology,
Nagpur-440010, Maharashtra, India.
<http://www.vnit.ac.in>**

Introduction

Statistical methods are an important tool because they provide the engineer with both descriptive and analytical methods for dealing with the variability in observed data. Further, the statistical methods can be applied in laboratory experiments to achieve a high degree of quality control and accuracy.

Course Objectives

The main objectives of this training program are:

- Understand the importance of statistical tools in experiments and benefits in research and process development.
- Apply the techniques to achieve quality in academic research.

Course Contents

Participants can be engineers or must have studied mathematics at 10+2 level. No prior statistical knowledge is required for this course.

The broad outline of the course is as follows:

- Introduction to probability and commonly used probability functions like, Normal distribution, Binomial distribution;
- Introduction to statistics, Sample mean, Sample variance,
- Graphical representation using Sample Quantiles, Box-plots, Histogram
- Hypothesis Testing: z, t and Chi-square tests
- Introduction to ANOVA
- Solving statistical problems using MS-Excel and Minitab

Target Audience

Students, faculty members and scientists from academic and research institutions.

Registration Fee

The registration fee (including GST) is as follows
Students: Rs.600/- Faculty/ Scientists: 1200/-

The sessions will be conducted live online via Webex or any other suitable ONLINE portal.

Certificates will be posted to your registered address on successful completion of the program. The number of participants for the program **is limited to 150** on first come first serve basis.

Interested participants kindly submit your details here: <https://forms.gle/ynNtkERaizZs3vcf7>

Payment and registration details will be sent on the mail id after participant submits his/her details.

Important Note: To avoid any disturbance during the training program, it is highly recommended to have stable electricity or power backup and strong internet connection.

Last date to complete payment and registration is 6th August 2020.

Contacts

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