

REGISTRATION FORM

A STC on "Data Analytics for Engineers"

(December 10th - 14th, 2018)

Full Name: _____

Designation: _____

Department: _____

Organization: _____

Experience (in years) Teaching: _____ Industry _____

Address for Correspondence: _____

Pin code: _____ Phone: _____

Mobile no. _____ Email: _____

Registration category: (please tick one)

- Student/research scholar MNIT
- Student/research scholar
- Institutional participants/faculty member
- Professionals/participants from industry

Detail of registration fee: _____

Name of bank & branch : _____

NEFT /DD no. _____ Dated: _____

Amount: _____

Note: DD should be drawn in favor of "The Registrar,
MNIT Jaipur" payable at Jaipur Or NEFT transfer.
Current A/C No.: 36875887782, Bank: SBI Bank,
Branch: MNIT Campus Jaipur, IFSC Code: SBIN0015921

Date: _____ Signature of Participant: _____

The applicant is hereby sponsored and will be permitted to attend this STC.

Signature and stamp of the Sponsoring Authority

(Please post/email your completely filled registration form along with DD/NEFT details)

Patron

Prof. Udaykumar R Yaragatti

Director, MNIT Jaipur

Conveners

- Prof. Dilip Sharma, Mechanical Engg. Dept.
- Prof. G. S. Dangyach, Mechanical Engg Dept.
- Prof. R.K. Goyal, Metallurgical & Material Engg. Dept.
- Dr. Rajeev Agrawal, Mechanical Engg. Depart.

Coordinators

Dr. Jinesh Kumar Jain

Associate Professor

Department of Mechanical Engineering

Dr. Vikas Kumar Sangal

Associate Professor

Department of Chemical Engineering

Dr. M. L. Meena

Associate Professor

Department of Mechanical Engineering

Dr. B.L. SALVI

Assistant Professor

CTAE, Udaipur

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Short Term Course

on

Data Analytics for Engineers

(December 10th - 14th, 2018)



sponsored by
TEQIP-III



MNIT JAIPUR



College of Technology and
Engineering, Udaipur

Jointly Organised by

Department of Mechanical Engineering

Malaviya National Institute of Technology Jaipur

J.L.N. Marg, Jaipur-302017

&

Department of Mechanical Engineering

College of Technology & Engineering, Udaipur

Overview of the Course

Data Analytics is the science of examining raw data with the purpose of drawing conclusions about that information. It involves applying algorithms or statistical tools to derive insights.

It is used in several industries to allow the organizations make better decisions as well as verify and disprove existing theories or models.

The focus of Data Analytics lies in inference, which is the process of deriving conclusions that are solely based on facts the analyst already knows.

Data analytics helps organizations harness their data and use it to identify new opportunities. Which in turn leads to smarter business moves, more efficient operations, higher profits and customer satisfaction.

There is no single tool that encompasses data analytics but in reality several types of tools work together to help get the most value from the information. Predictive analytics uses data, statistical techniques to identify the likelihood of future outcomes based on historical data.

It is all about providing a best assessment on what will happen in the future, so organizations can feel more confident that they are making the best possible decision.

The workshop is designed for practicing Faculty, research students, engineers, plant managers and decision makers from industries to effectively utilize the data for better inference.

Course Contents

In the coming decade data analytics is the strategic focus areas for many technology companies. This STC covers

- ❖ Correlation and Scatter Plot(Excel and SPSS)
- ❖ Regression Analysis
- ❖ Hypothesis Testing
- ❖ ANOVA and F Test
- ❖ Design of Experiments in process improvements
- ❖ Response surface modeling which includes parametric and multi-response optimization with desirability function approach
- ❖ Taguchi Robust Design
- ❖ Real life Data analytics projects & case study

The post lunch sessions of this Short Term Course will be to give hands-on experience to the participants with software's (MS-Excel®/SPSS /Minitab®/ Design Expert) applications to real life projects, hypothetical engineering problems & case studies.

About MNIT

Malaviya National Institute of Technology is one of the premier NITs of India, fully funded by Ministry of Human Resource Development (MHRD), Government of India. The institute was given the status of a National Institute of Technology and Deemed University on June 26, 2002, and proclaimed the Institute of National Importance through Act of Parliament on August 15, 2007. The Institute offers undergraduate and post graduate (B. Tech., B.Arch., M. Tech., M. Plan., M.Sc., MBA and PhD) programmes to about 4500 students in leading field of Engineering, Technology, Architecture, Management and Sciences. The institute is actively engaged in research, consultancy and developmental activities, besides imparting regular teaching.

About Mechanical Engineering Department

Welcome to the Department of Mechanical Engineering at Malaviya National Institute of Technology Jaipur, where experienced faculty and highly motivated students - supported by a dedicated staff - experience a unique engineering education.

The Department offers academic programmes at three levels leading to Bachelor of Technology (B.Tech.), Master of Technology (M.Tech.), and Doctor of Philosophy (Ph.D.) degrees. In addition, continuing education programmes in specialized areas are offered on a regular basis for industry professionals and academic staff from other colleges.

PRABHA BHAWAN, MNIT Jaipur



Experts

The course content will be delivered from a pool of experts on the subject mostly from MNIT, Jaipur and other academic institutes i.e., IIT's/NIT's & Central universities

Important Dates

Last date of Registration with Fees: 15-11-2018

Intimation of confirmation: 22-11-2018

Course duration: 10th - 14th December, 2018

Venue

Prabha Bhawan, MNIT Jaipur

Targeted Participants

- Faculty members dealing with courses in any branch of engineering, and science.
- Research scholars pursuing Ph.D., PG and UG students.
- Scientists, Engineers, educationist, Engineers & Managers from Industry & R&D Organization.

How to Reach MNIT

Jaipur is well connected by rail and road services MNIT is situated on Jawahar Lal Nehru (JLN) Marg is about 9 km from main railway station As well as central bus stand (Sindhi camp) Jaipur Airport (located at sanganer) is about 5 km from institute

Registration Fees

- Students and Research Fellows from MNIT :Rs 1000/
- Students and Research Fellows outside MNIT : Rs 2000/
- Institutional Participants/ Faculty Members :Rs 3000/
- Participants from Industry : INR 5000/

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 and working Lunch and Refreshment for the participants on working days. No TA/DA will be provided to the participants