

About MNIT Jaipur

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 5000 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

The proposed course aims to enable the participants to define the research problem, select suitable research design, formulate and test hypothesis based on the nature of research in engineering and social sciences. Also, the course will impart the ability to comprehend the appropriateness of statistical software packages for analyzing research data. The course content will cover lectures from experts drawn from academia and industry along with laboratory/hands-on training sessions.

Contents

- Concept of research and its aims
- Approaches to research
- Formulation of research objectives and questions,
- Use of quantitative, qualitative and mixed-method approaches
- Parametric and Non Parametric Testing
- Regression Analysis
- Design of Experiments & Taguchi Methodology
- Inferential Statistics
- Response Surface Methodology
- Application of Neural Network Techniques
- Introduction of MINI TAB/MATLAB and Lab work
- Research report and Project report preparation
- Application of soft ware

Venue: Prabha Bhawan, MNIT Jaipur

Target Participants

- Faculty members from any branch of Engineering/ Science/Social Sciences.
- Research scholars pursuing PhD, PG and UG students.
- Scientists/ Engineers/ Managers/ from Industry/ Govt/ R&D Organizations

Registration

The application in the prescribed format along with the registration fee should be sent to the program convener via post at address given or preferably by email (scanned copy of form and fees deposition details) at the email id: ***mvashishtha.chem@mnit.ac.in*** latest by January 10, 2020. The participants will be intimated about selection as soon as form along with fees is received and latest by January 12, 2020. Participants will be selected on first come first serve basis as limited seats are available. The bank demand draft/Cheque should be drawn in favor of “**The Registrar MNIT, Jaipur (TEQIP Phase-III)**”.

Bank Details for Online fees transfer:

Bank Name: - State Bank of India (SBI)
Account Name: - The Registrar MNIT, Jaipur (TEQIP Phase-III)
Current Account No: - 36875887782
IFSC Code: - SBIN0015921
Branch: - MNIT Campus, Jaipur

Registration Fee

Participants from Industry/R&D	: Rs.2500/-
Participants from Academic Institutes	: Rs.1500/-
Student Participants	: Rs.1000/-
MNIT Student Participants	: Rs. 600/-

Limited accommodation (on payment basis) can be arranged on shared basis in Guest House-2 / Hostel at MNIT Jaipur on first come first serve basis. Request for accommodation should be indicated in registration form. The organizers will provide registration kit, working Lunch and Refreshment for the participants during course duration. No TA/DA will be provided to the participants.

REGISTRATION FORM

Short Term Course
On
**Research Methods and
Design**
(MNIT Jaipur)
(January 20-24, 2020)

Name:

Designation:

Address:

.....

Qualifications:.....

Teaching/Industry Exp (in years).....

Contact No. :

Email:

Details of registration fee -

1) Cheque/ Draft No/ Transaction ID

.....

2) Dated.....

3) Bank Name/paid via

.....

For Rs. is enclosed.

Accommodation required: Yes/ No

Signature

Patron

Prof. Udaykumar R. Yaragatti
Director, MNIT Jaipur

Advisor

Prof. Manju Singh (HSS, MNIT Jaipur)

Conveners

Prof. Kailash Singh (ChE)

Dr. Manish Vashishtha (ChE)

Dr. Dipti Sharma (HSS)

Coordinators

Dr. Sushant Upadhyaya (ChE)

Dr. Vikas Kumar Sangal (ChE)

Dr. Nidhi Sharma (HSS)

Dr. Nidhi Bansal (HSS)

Address for Correspondence

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SHORT TERM COURSE

On

Research Methods and Design

(January 20-24, 2020)

Sponsored by TEQIP-III



Jointly Organized by

**Department of Chemical
Engineering**

&

**Department of Humanities and
Social Sciences**

**Malaviya National Institute of
Technology, Jaipur (Rajasthan)**