

## ABOUT MNIT JAIPUR

Malaviya National Institute of Technology Jaipur is one of the premier NITs designated with the status of “Institute of National Importance” by MHRD. Located in a central location in Jaipur city and spread over 325 acres of lush green area this institute was established in the year 1963 as a joint venture of the Government of India and Government of Rajasthan. The college was inspired by the great educationist and freedom fighter Pt. Madan Mohan Malaviya and thus named as Malaviya Regional Engineering College. The institute was upgraded to a National Institute of Technology and was declared deemed university on June 26, 2002. Since then, the Institute started offering B. Tech. (Bachelor of Technology) degree instead of B.E. (Bachelor of Engineering) degree. MREC now known as MNIT, aims to set higher standards of academics to become a world class institute.

At present the Institute offers undergraduate (B. Tech./B.Arch.) and postgraduate (M.Tech./M. Plan./M.B.A./M.Sc./Ph.D.) courses to about 5000 students in leading fields of Engineering, Technology, Architecture, Management and Sciences. The institute is actively engaged in research, consultancy and developmental activities besides imparting regular teaching.

## PATRON

Prof. Udaykumar R Yaragatti  
Director, MNIT Jaipur

## HOD

Prof. D. Boolchandani

## COORDINATORS

**Dr. Ritu Sharma**  
Department of ECE

**Dr. Santosh Chaudhary**  
Department of Mathematics

## CONTACT ADDRESS

**Dr. Santosh Chaudhary**

Head, Department of Mathematics  
Malaviya National Institute of Technology Jaipur  
J.L.N. Marg, Jaipur-302017

Phone: 0141-2713277  
Mobile: 9549654566

**E-mail: [maths.stc18@gmail.com](mailto:maths.stc18@gmail.com)**

## MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR

**Short - Term Course**

**on**

**Scientific Techniques & Computational  
Approaches**

**December 24-28, 2018**



**Jointly Organised by**

Department of Electronics & Communication  
Engineering  
And  
Department of Mathematics

Malaviya National Institute of Technology Jaipur  
J.L.N. Marg, Jaipur-302017  
Website: [www.mnit.ac.in](http://www.mnit.ac.in)

**Sponsored by TEQIP-III**

## REGISTRATION FORM

Short-Term Course  
on  
**Scientific Techniques & Computational  
Approaches**  
December 24-28, 2018

Name .....  
(In block letters)

Designation .....

Institution .....

Academic Qualification .....

Specialization .....

Mailing Address .....

.....

Phone (O, R, M) & Fax with STD code .....

.....

E-mail .....

Accommodation Required (Yes/No) .....

Gender (Female/Male) .....

Details of Registration Fee

DD/RTGS No ..... Date .....

Bank Name .....

Amount Rs .....

Date ..... Signature of Applicant

Signature of Sponsoring Authority with Seal

## COURSE OVERVIEW

Scientific Techniques and Computational Approaches is an effective way to get quick and better results. To facilitate the quick solution it is important to create models and analyze their physical behavior. The primary objectives of the course are

- Exposing participants to the fundamentals of Scientific Techniques
- Providing exposure to the participants to the various computational methods like FEM, FDTD etc.

These techniques are used for solving the mathematical models and performing simulation in different environment such as MATLAB and COMSOL. MATLAB is a technical computing tool and interactive environment for algorithm development and numerical computations while COMSOL is another important simulation tool which provides a complete and integrated environment for modeling and simulation, and builds a user-friendly interface for models.

Participants will be given a hands-on experience to execute the simulation code of various real life problem using MATLAB and COMSOL. This course is planned to bring together Faculty Members, Scientists, Engineers, Research Scholars, PG and UG students from Academic and Research Institutions, and Industries.

## SPEAKERS

Eminent Speakers from IITs, NITs & other premier universities across India.

## REGISTRATION

### Registration Fee

Faculty from Academic Institutes	Rs. 2000/-
Students/ Research Scholars	Rs. 1500/-
Students from MNIT Jaipur	Rs. 500/-
Industries & Other Delegates	Rs. 2500/-

The fee can be paid in the following modes

### Demand Draft

In favour of “**Registrar, MNIT Jaipur**” payable at Jaipur.

OR

### Bank Transfer

Beneficiary Name: Registrar MNIT Jaipur  
Bank: ICICI Bank, MNIT Branch Jaipur  
Account No: 676805000011  
IFSC Code: ICIC0006768

**Last date of Registration** December 14, 2018

Filled registration form with registration fee submission detail (original Demand Draft or Scanned copy of Bank transfer details) should be sent by speed post (in case of Demand Draft) or E-mailed (in case of bank transfer) to contact person.

## GENERAL INFORMATION

Accommodation and travelling expenses are to be borne by the participants/ sponsoring agency. Limited accommodation on actual charges may be available at MNIT Guest House II/ Hostels. A request for this need is to be made in advance. The participant will not be paid any TA/DA. Working lunch will be provided by the organizers to participants except MNIT students.