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.

The Institute offers eight undergraduate courses of study in Architecture, Chemical, Civil, Computer, Electrical, Electronics & Communication, Mechanical and Metallurgical & Materials Engineering, and postgraduate courses (M.Tech./M.B.A./M.Sc./Ph.D.) through its thirteen departments. The institute is actively engaged in research, consultancy and developmental activities besides regular teaching.

PATRON

Prof. Udaykumar R Yaragatti
Director, MNIT Jaipur

HOD

Dr. Vatsala Mathur

COORDINATORS

Dr. Santosh Chaudhary
Department of Mathematics

Dr. Ritu Sharma
Department of ECE

ORGANISING COMMITTEE

Prof. Rashmi Jain   Dr. R. C. Soni
Dr. Sanjay Bhatter   Dr. Ritu Agarwal
Dr. Varun Jindal

CONTACT ADDRESS

Dr. Santosh Chaudhary

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

Phone: 0141-2713277
Mobile: 9549654566
E-mail: maths.stc17@gmail.com

MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR

Short - Term Course

on

Modeling & Simulation Tools

July 03-07, 2017

Organised by

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

COURSE OVERVIEW

Modeling and simulation is an effective way to get quick and better products at low cost. To facilitate the quick solution it is important to create models and analyze their physical behavior. Some 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.

The aims of the course are to introduce the participants to modeling concepts, and provide a forum for attendants to discuss fundamentals of modeling techniques. Audience will also be given a hands-on experience to execute the simulation code of various real 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.

COVERING TOPICS

The course will cover the followings:
- Modeling and discussion of specific models of real world problems
- Optimization techniques
- Demonstration of MATLAB
- MATLAB programming in engineering
- Introduction of COMSOL
- Engineering applications of COMSOL

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/-
Delegates from Industries/ R&D Organizations	Rs 2500/-

The fee should be submitted, along with the filled registration form through Bank Draft drawn in favour of **"Registrar, MNIT Jaipur"** payable at Jaipur.

Last date of Registration   June 21, 2017

Hard copy of complete registration form and DD must be sent to contact person by speed post and scanned copy should also be send by E-mail to **maths.stc17@gmail.com**

Brochure is available on institute web site **www.mnit.ac.in**

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.

REGISTRATION FORM

Short-Term Course

on

Modeling & Simulation Tools
July 03-07, 2017

Name …………..……………………………...
(In block letters)

Designation ……………...………………………...

Institution …………………………..……………...

Academic Qualification ……………...…..…..…...

Specialization ……………………….....……..…...

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

E-mail …………………………………...……….....

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

Gender (Female/Male) ……………….…………...

Details of Registration Fee-
DD No. ……………………… Date …………….

Bank Name ……………………………………...…

Amount Rs …………………………………………

Date …………….. 　　　　Signature of Applicant

Signature of Sponsoring Authority with Seal