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 (B.Tech.) 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

Some of the most fascinating areas in computing today are machine learning (ML) and artificial intelligence (AI). They have successfully been employed to address real-world issues in recent decades and have ingrained themselves in daily life. Engineering, business, industry, finance, medical, and many other fields are among the numerous disciplines that AI and ML have applications. They cover a wide range of computational and learning algorithms, including classical ones such as linear regression, decision trees, as well as fuzzy systems, genetic, swarm and evolutionary algorithms, support vector machines and neural networks, and newly developed algorithms such as deep learning and boosted tree models.

Contents

➢ Fundamental of computational methods
➢ Linear and non linear algebra
➢ Linear and non linear differential equations
➢ Partial differential equations
➢ Linear and non linear regression analysis
➢ Introduction to Artificial Intelligence and Machine Learning
➢ Various optimization technique (PSO, GA etc.)
➢ Solving about 25 problems to above topic for steady and unsteady state system using MATLAB and others

Target Participants

- Faculty members dealing with courses in any branch of Engineering, and Science.
- Research scholars pursuing PhD, PG and UG students.
- Scientists, Engineers, Educationist, and Managers from Industry and R & D Organization.

Experts from

- IIT/NIT/Central Universities
- MNIT, Jaipur

Venue
Prabha Bhawan, MNIT Jaipur

Registration Details

Registration Fee

Participants from Industry : Rs.5900/-

Participants from Academic Institutes: Rs.1180/-

Student Participants : Rs.590/-

(The above fee includes 18% GST)

Payment Details:
Account Name: Registrar (Sponsored research) MNIT Jaipur
Account no: 676801700388
IFSC code: ICIC0006768
Bank name: ICICI Bank Ltd., MNIT Jaipur

Travel & Accommodation:
No TA/DA will be provided to the participants.
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.

Registration Deadline: February 20, 2024.

Registration Form:
Fill the google form

https://forms.gle/7SC1aTr9HrtqafTo7

Patron
Prof. N. P. Padhy
Director, MNIT Jaipur

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Coordinators
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SHORT TERM COURSE

On

"Computational Techniques Using Artificial Intelligence and Machine Learning for Social Science and Engineering Applications"

(March 04-08, 2024)

Organized by

Department of Chemical Engineering
Malaviya National Institute of Technology Jaipur