

### COURSE CONTENTS

- AI Fundamentals, Search Techniques
- Python - Introduction & Evolution, Distributions and IDEs, Packages & Modules Installing Anaconda, Data Types Python - Variables Lists, tuples, dictionaries, Sets
- Files I/O Database Handling Dictionaries CSV, JSON, XML Handling
- Numpy and Pandas Library for Data Processing Machine Learning Algorithms
- Machine Learning – Regressions, Regularization, Classification, Active Learning, Kernels, Support Vector Machines, Model Selection, Boosting, Margin and Complexity, Clustering, Hidden Markov Models, Bayesian Networks
- Neural Networks, Special Neural Networks, Convolution Neural Networks, Deep Learning
- Fuzzy Systems, Design and Applications.
- Machine Learning Practice with Python
- Case Studies
- Industry practices in AI

### WHO SHOULD ATTEND

Faculty member working in AICTE approved Institutions/Colleges are eligible for the workshop.

### RESOURCE PERSONS

The course content will be delivered from a pool of experts on the subject, Institute Faculty, Industry and other institutions of repute.

### SELECTION PROCESS

A limited number of seats (50) will be there on first-cum-first-serve basis and selected candidates will be intimated through email only.

**No fees will be charged from participants for workshop.**

### 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. The organizers will provide working lunch.

### REGISTRATION

Registration is open to Faculty/ PhD & PG scholars from all branches of Engineering. Participants will be admitted on first-come first-served basis. Register on line at-

<https://goo.gl/forms/xoQZGZtU7TO2JwIF2>

or

To confirm participation please send the scanned copy of the Filled Registration Form to [apmazumdar.cse@mnit.ac.in](mailto:apmazumdar.cse@mnit.ac.in) or submit in person to coordinators latest by **20<sup>th</sup> February 2019** positively.

### Registration Form

Five Day AICTE Sponsored Workshop on  
**Artificial Intelligence & Machine Learning**  
**(February 22-26, 2019)**

Name .....

(In block letters)

Designation .....

Organization.....

Academic Qualification .....

Specialization .....

Mailing Address .....

.....

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Mobile.....

E-mail.....

Date .....

Signature of Applicant

Signature of Sponsoring Authority with seal

## ABOUT MNIT

Malaviya National Institute of Technology (MNIT), Jaipur is one of the NITs established by Ministry of Human Resource Development, Government of India. The Institute, earlier known as MREC, was established in 1963 as a joint venture of the state and central Governments. Later in 2002, the college was given the status of National Institute of Technology and on August 15, 2007, proclaimed Institute of National Importance through Act of Parliament. MNIT campus spreads over 325 acres of lush green area in the prime location of Jaipur city. The Institute has completed its Golden Jubilee year 2012-13 and as apart of year-long celebrations of its 50 years of teaching and excellence, various academic activities were organized. At present, in addition to research, consultancy and developmental activities, the Institute offers UG and PG (M. Tech./M.Sc. & Ph.D.) level courses to about 5000 students in almost all leading fields of engineering, technology, management and sciences.

## HOW TO REACH MNIT

Jaipur is well connected by road, rail and air services. MNIT is situated on Jawaharlal Nehru (JLN) Marg and is about 9 kms from Main-railway station as well as Central Bus Stand (Sindhi Camp) of Jaipur. Airport (located at Sanganer) is about 6 kms away from the institute.

## PATRON

Prof. Udaykumar Yaragatti  
(Director, MNIT, Jaipur)

## COORDINATORS

Dr. Rajesh Kumar  
Dr. Yogesh Kumar Meena  
Dr. Arka Prokash Mazumdar

## ADDRESS FOR CORRESPONDENCE

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Sponsored by:  
**All India Council of Technical Education,**  
New Delhi

# Malaviya National Institute of Technology, Jaipur

announces

## Five Day AICTE Sponsored Workshop On

# Artificial Intelligence and Machine learning

**February 22-26, 2019**



Organized by:  
**Department of Electrical Engineering  
Department of Computer Science &  
Engineering**  
Malaviya National Institute of Technology  
Jaipur-302017