

### Who can attend:

The training program is open to faculty, Research Scholars and PG Students from colleges/universities and industry professionals.

### Registration Fee

<b>Research Scholars &amp; Students</b>	<b>Rs. 1500/-</b>
<b>Faculty</b>	<b>Rs. 2500/-</b>
<b>Industry Professionals</b>	<b>Rs. 5000/-</b>

Registration fee may be sent as Demand Draft in favor of **Director, MANIT Bhopal** payable at SBI, MANIT, Bhopal by **30<sup>th</sup> January 2018**. Online payment can also be made to the account.

Account No. 10020150107

IFSC Code: SBIN0001608

### How to Apply:

1. Make payment
2. Send duly filled registration form along with DD or NEFT receipt to Dr. Sweta Jain, Department of CSE, MANIT, Bhopal.

**Accommodation:** Limited accommodation for the participants shall be arranged at VIP guest house of MANIT, Bhopal or nearby hotels on payment basis and first come first serve.

### Address For Correspondence

Department of Computer Science & Engg.  
Maulana Azad National Institute of Technology  
Bhopal 462003.

Website: [www.manit.ac.in](http://www.manit.ac.in)

Ph.No. +91-9753300054, +91-9826293396

Email: [scmlmanit2018@gmail.com](mailto:scmlmanit2018@gmail.com)

### Student Coordinators

Ms. Sana Akbar (+91- 8982613330)

Mr. Mahesh Gour (+91 – 9981769545)

## **REGISTRATION FORM**

### **Short Term Training Program On Soft Computing & Machine Learning (SCML 2018)**

**5<sup>th</sup> Feb. - 9<sup>th</sup> Feb. 2018**

Name: .....

Designation: .....

Affiliation:.....

.....

Male/Female: .....

Educational Qualifications: .....

Category.....

(Faculty/Student/Delegate from Industry)

Mailing Address.....

Phone: .....

Fax:.....

Email: .....

Accommodation(Yes/NO).....

Awareness on Topic: Low /Medium/ High

### **Details of Registration Fee**

DD No. / NEFT Receipt No.:.....

.....

Drawn on .....

Date .....

Issuing Bank.....

Certified that the above information is true and correct to the best of my knowledge and belief.

Signature of Applicant

## **Short Term Training Program On SOFT COMPUTING & MACHINE LEARNING (SCML 2018)**

**5<sup>th</sup> Feb.2018-9<sup>th</sup> Feb. 2018**

**Organized by  
Department of CSE  
MANIT, Bhopal**



**In Collaboration with  
E & ICT Academy, IITDM, Jabalpur**



**Coordinators**

**Dr. Sweta Jain**

**Dr. S. K. Saritha**

**CSE, MANIT, Bhopal**

**Venue:**

**Department of Computer science & Engg.  
MANIT, Bhopal**

## About the City & Institute

Bhopal is the capital of Madhya Pradesh and well known worldwide as The City of Lakes. The institute is located at a distance of around seven kilometers from Bhopal railway station and fifteen kilometers from Airport. Maulana Azad National Institute of Technology (MANIT) is an Institute of National Importance. Presently, along with about 200 faculty members and 4000 students, the institute is successfully meeting the objective of producing professionally qualified manpower of the highest quality to cope up with challenges of ever evolving industrial needs of the country. The institute currently runs 13 UG and 20 PG courses and research programs leading to PhD.

## About the CSE Department

The department has qualified and devoted faculty members with specializations in various areas of Computer Science. At present, the department is conducting B.Tech, M.Tech. (Advanced Computing) , M. Tech.(Computer Networks), M.Tech. (Information Security) and PhD programmes.

## About the E&ICT

The Electronics and ICT Academy at IIITDM Jabalpur (funded by Ministry of Electronics and Information Technology) aims to provide training to faculty, students and unemployed graduates in fundamental areas as well as on the cutting edge technologies with hands on training using latest software tools and systems.

## Focus Areas

- Neural networks
- Evolutionary Algorithms
- Fuzzy Sets & Rough Sets
- Basic concepts & examples of machine learning techniques
- Classification & Clustering Algorithms
- Support Vector Machines (SVM)
- Extreme learning machines
- Bayesian networks
- Deep learning & Convolution Neural networks
- Application of Machine Learning (ML) in Information Retrieval (IR) & Text Mining
- Soft Computing Algorithms for Big Data handling

## Resource Persons

Dr. Aruna Tiwari	IIT, Indore
Dr. Ashish Ghosh	ISI, Kolkata
Dr. Kadambari	NIT, Warangal
Dr. T.B. Vijay	JNU, New Delhi
Dr. Saakshi Babbar	New Delhi
Dr. Atul Gupta	IIITDM, Jabalpur
Faculty from MANIT, Bhopal	

## Objectives:

The current trend in technology is to integrate intelligent attributes in the existing systems so as to improve their performance and make them autonomous. Both Machine learning and Soft Computing have become integral part of intelligent systems and have already been used to solve a wide range of problems both from science and technology. The objective of this course is to introduce the participants with the basic concepts, emerging trends and applications of neural networks, fuzzy logic, evolutionary computing and machine learning concepts with particular focus on supervised and unsupervised learning techniques.

## Program Outcomes:

- To help the participants understand the key techniques under the umbrella of soft computing such as **Neural Networks, Fuzzy Logic & Evolutionary Algorithms.**
- To gain an understanding of machine learning algorithms and its application in **Information Retrieval & Text Mining.**
- Imparting skills for application of these techniques in solving **real world problems.**
- **Hands-on experience** on different softwares for implementation of machine learning algorithms such as **R, Python, Rapidminer and MATLAB.**
- Interaction with **experienced faculty from IITs, NITs & ISI.**