

**Focus Areas:**

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

**Registration Fee**

- Research Scholars & Students**      **Rs. 1500/-**
- Faculty**      **Rs. 2500/-**
- Industry Professionals**      **Rs. 5000/-**

Registration fee may be sent as Demand Draft in favor of **Director, MANIT Bhopal** payable at SBI, MANIT, Bhopal by **31<sup>st</sup> January 2018**. Online payment can also be made to the account.

Account No. 10020150107  
IFSC Code: SBIN0001608

The Course fee includes course material, working lunch and snacks.

**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.

**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: .....

Email: .....

Accommodation(Yes/NO).....

Awareness on Topic: Low/Medium/High

Payment Details:

Bank	DD. No.	Date

Certified that the above information is true 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 - 9<sup>th</sup> FEB 2018**

**Organized by  
Department of CSE  
Maulana Azad National Institute of  
Technology, Bhopal**



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



**Coordinators**

**Dr. Sweta Jain  
Dr. S. K. Saritha**

**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. Maulana Azad National Institute of Technology (MANIT) formerly known as MACT is an Institute of National. The institute is located at a distance of around seven kilometers from Bhopal railway station and fifteen kilometers from Airport. The CSE department has qualified and devoted faculty members with specializations in various areas of Computer Science. At present, the department is running B.Tech.(CSE), 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. Academy is envisioned to become a central hub of activities on training, research, consultancy work and entrepreneurship programmes.

## Who can attend:

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

## How to Apply:

1. Make payment.
2. Send duly filled registration form along with DD or NEFT receipt to Dr. Sweta Jain.

## **Patron**

**Dr. N.S. Raghuwanshi**

Director MANIT Bhopal

**Dr. Pramod Kumar Jain**

Director, IIITDM, Jabalpur

## **Chairman**

**Dr. Meenu Chawla**

HOD(CSE), MANIT, Bhopal

## **Coordinators**

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## **Address For Correspondence**

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

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

*Note : All post/email correspondence must be addressed with the subject "SCML2018".*

## 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 soft computing techniques such as **Neural Networks, Fuzzy Logic & Evolutionary Algorithms.**
- To gain an understanding of machine learning algorithms and its application in **Information Retrieval & Text Mining.**
- **Hands-on experience** on different softwares such as **R, Python, Rapidminer and MATLAB.**

## Resource Persons:

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