

Self-Sponsored Online Workshop

On

“Soft Computing &

Machine learning (SCML2021)”

1st – 5th March, 2021

REGISTRATION FORM

Name:

E-Mail:

Designation/PG Scholar:

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Organization:

(Contact No.)

Details of Registration Fee:

This is online workshop. The participant(s) should register for workshop from the google form link given below:

https://docs.google.com/forms/d/e/1FAIpQLSc2NjySQ0joiW58aC344RijzLqdZ9TcRLorXmtj1R4c8IT1g/viewform?usp=sf_link

Patron

Dr. N. S. Raghuwanshi, Director, MANIT Bhopal

Convener

Dr. Nilay Khare

Department of Computer Science and Engineering

Coordinators

Dr. Sweta Jain & Dr. S K Saritha

Address for Correspondence

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Assistant Professor

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Dr. S K Saritha

Assistant Professor

Department of Computer Science and Engineering,
MANIT Bhopal

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Contact No.: 09753300054 (M)

IMPORTANT DATES

Last date of receipt of application: 26th February 2021.

Notification about selection: By email.

Note: All post/email correspondence must be addressed with the subject “SCML2021”.

Self-Sponsored Online

Workshop

On

“Soft Computing &

Machine learning (SCML2021)”

1st – 5th March, 2021

Organized by

Department of Computer Science & Engineering



**Maulana Azad National Institute of Technology
Bhopal -462003 (Madhya Pradesh)**

Coordinators

Dr. Sweta Jain & Dr. S. K. Saritha

Venue:

Department of Computer Science & Engg.
MANIT, Bhopal

About the Institute:

Maulana Azad National Institute of Technology Bhopal (An Institution of National Importance), offers various undergraduate and post graduate courses and research programs. Under the peaceful and friendly environment, MANIT is producing technocrats who are resources to Nation and the world. Our bright students with excellent technical skills have always contributed to the successes of various sections towards the technical group.

The total area of campus is 650 acres and protected by boundary wall and ring road. The entire campus consists of administrative and academic building, workshop, Library and community center, Residential area accommodation for students and staff and other general amenities such as post office, Shopping complex, a School for children, dispensary, an auditorium with the capacity of 1000 persons and sports complex with vast expanse of open area.

About Department:

The computer science and engineering department was established in the year 1986. Since the inception, it is consistently creating its place of excellence not only within the institute but among its counter parts in the country and abroad. Bright students from all the parts of the country for quality education in computer science and engineering at under graduate, post graduate, and doctoral levels are attracted. The department has highly qualified and competent faculty members, and adequate facilities to support teaching and learning activity.

About Workshop:

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. This course will be useful for faculty of engineering and sciences, research scholars who are interested in the learning of Artificial Intelligence, Machine Learning & Deep Learning models.

Course contents

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

Resource Person:

All lectures/Session will be delivered by Expert Resource Persons from premier Institutions (NITs, IITs, IISCs) and Industries.

Program Outcome

- 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.**
- **Live Problem** demonstration by Industry experts. **Hands-on experience** on different **Machine Learning and Deep Learning models** and software such as **R, Python, and MATLAB.**

Registration Details for Participants

The participants to the course will be faculty & Ph.D Scholars from Technical institutes. **There is Registration fee as following:**

Participants	Fee (Rs.)
Student (UG/PG/Ph.D.)	500/-
Faculty Members	1,000/-
Industry Persons	2,000/-

Account details for Online payment of fee:

Acc. Name : Director MANIT

Acc. No. : 10020150107

IFSC code : SBIN0001608

Branch code: 001608

NOTE: Please mention subject **SCML2021** while making online payment and submit the copy of online transaction through email.

There will be no registration fees for MANIT students. This is online workshop. The participant(s) can register for workshop from the given google form link:

https://docs.google.com/forms/d/e/1FAIpQLSc2NjySQ0joiW58aC344RijjzIqdZ9TcRLorXmtj1R4c8IT1g/viewform?usp=sf_link