

KURUKSHETRA

Kurukshetra is described as DHARMA-KSHETRA, with historical and religious importance. Here, the battle of Mahabharata was fought, and Lord Shree Krishna preached the philosophy of "KARMA" as enshrined in the holy book "Shrimad Bhagwad Gita". It is one of the premier pilgrimage centers attracting devotees all around the year. Kurukshetra is well connected by Rail, Delhi-Ambala section, Road (NH1, connecting Delhi-Chandigarh-Amritsar-Jammu), and Air (Delhi 160 km and Chandigarh 80 km). The NIT Kurukshetra campus is about 11 km from the Pipli Bus stand on NH-44, and about 6 km from the Kurukshetra railway station.

NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA

NIT Kurukshetra, formerly known as Regional Engineering College, Kurukshetra, was founded in 1963. It was conferred upon the NIT status with Deemed University on June 26, 2002. The Institute offers several courses in various disciplines of B.Tech., M.Tech., MBA and MCA, and Ph.D. with an annual intake of about 1500 students. Institute also provides excellent facilities for advanced research in the emerging areas of Engineering, Science, and Technology. The institute has well-qualified and dedicated faculty along with supporting staff, laboratories, and other infrastructure. The infrastructure is geared to enable the institute to produce technical personnel of high quality.

ELECTRICAL ENGINEERING DEPARTMENT (EED), NIT KURUKSHETRA

The Department offers B.Tech, M.Tech, and Ph.D. Degrees. The B.Tech. program in Electrical Engineering provides is run with a number of elective courses. The department has three M.Tech courses with specialization in Control Systems; Power Systems;

Power Electronics and Drives and offers Ph.D. in different areas evolving innovations and developments in all disciplines of Electrical Engineering. Recently an Advanced control Systems Lab with modern equipment has been established. The significant research areas are Robust Control, Adaptive Control, Nonlinear Systems, Instrumentation, Signal Processing, Reliability and System Engineering, Cyber-Physical Systems, Renewable Energy, Electric Vehicles, Robotics, Intelligent Control, Machine learning, etc.

RESOURCE PERSONS

- Experts may be invited from Industry/ R & D Organizations.
- Faculty members from IITs/ NITs/IIITs/Central & State Universities.

PATRON

Prof. B. V. Ramana Reddy
Director, NIT Kurukshetra

CO-PATRON

Prof. Ashwani Kumar
Head, Electrical Engineering Department

COURSE CONVENOR

Prof. Yash Pal
Dr. Saurabh Chanana
Dr. Anil Kumar Dahiya

COURSE COORDINATORS

Prof. J. S. Lather
Dr. V. G. Durgarao Rayudu
Dr. Rajesh Kumar

IMPORTANT DATES

Last date of Registration: **08.04.2023**
Notification of Selection: **11.04.2023**



Short Term Course
On
Machine Learning and
Applications
(MLA-2023)
April 22-26, 2023



Organized by
Department of Electrical Engineering,
National Institute of Technology
Kurukshetra
Kurukshetra-136119, Haryana, India

COURSE OBJECTIVES

Curated with a strong emphasis on real-world relevance to meet rapidly evolving industry needs and trends, the Short Term Course (STC) on Machine Learning and Application will provide you with deep conceptual knowledge of Machine Learning to deploy solutions to solve real-life problems. This 5 - day STC is devoted to addressing the need to enhance the knowledge of the latest technologies pertaining to Machine Learning and Deep Learning using MATLAB/Python. Finally, real-time applications of these techniques will be demonstrated through lab sessions.

COURSE CONTENTS

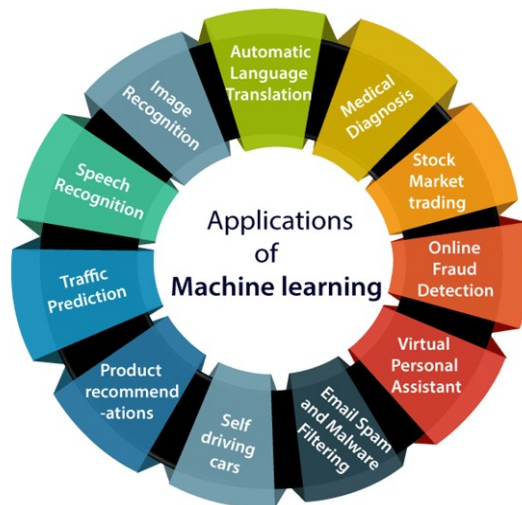
The course aims to address the following issues related to Machine learning and its applications but is not limited to them.

1. Introduction to Machine learning, algorithms, and their applications in the real world.
2. Hands-on implementation of supervised and unsupervised methods
3. Support vector machine classification and application
4. Neural networks and their implementations
5. Introduction to Deep learning methods and applications
6. Reinforcement Learning, Optimization, and Data-driven Methods

WHO SHOULD ATTEND?

Faculty members/ research scholars/ PG students from academic institutes approved by the AICTE/ UGC/ MHRD and Scientists/ Engineers working in Private/ Public/ Govt. organizations/ industries etc. can attend the course. It is an interdisciplinary course; participants from the following backgrounds:

Electrical, Electronics, Instrumentation, Computers, and Mechanical Engineering are encouraged to attend.



REGISTRATION FEE (Through SBI collect)

Category of Registrations	Registration Fee	
	Online	Offline
Students/Research Scholars	500/-	1000/-
Faculty	1000/-	3000/-
Industry/ R&D	2000/-	6000/-

* **Registration fee is non-refundable. Participants must have valid ID proof of student/ employee from the associated organization.**

Participants will be provided meals and tea during the sessions. However, limited accommodation is available in the hostel/guest house. The accommodation can be arranged at the request of the participants on a payment basis, separately. No TA/

DA will be paid to the participants. Selection of the Participants will be on a first-come-first-served basis. The registration fee is to be paid in advance through **SBI Collect** in the account of the **Director, NIT Kurukshetra** under **MLA-2023**.

STEPS FOR PAYING THE REGISTRATION FEE:

Go to SBI collect - Select Educational Institutions - Select state as Haryana - Director National Institute of Technology Kurukshe - Select MLA-2023 as payment category - follow the steps – fill in the correct amount as per brochure and category. For all other not-concerned categories select Rs 0 and proceed to pay. Please do not forget to attach your payment receipt to the registration form link.

The information brochure can be downloaded from the institute website www.nitkkr.ac.in.

REGISTRATION FORM

After paying the registration fee the candidates must fill out the details in the Registration Form using the following Google form link by **08.04.2023**:

<https://forms.gle/xygW7EtY84JjWSAw6>

CORRESPONDENCE

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