About Kurukshetra

Kurukshetra is a place of great spiritual significance deeply steeped in history and mythology, where Lord Krishna delivered the divine message of "Shrimad Bhagwad Gita". It is one of the premier centers of pilgrimage, attracting devotees in a steady stream all around the year. Kurukshetra is very well connected by Rail (Delhi-Karnal-Ambala section), by Road (NH1, which connects Delhi-Chandigarh-Amritsar-Jammu), and by Air (Delhi 160 Km and Chandigarh 80 Km). The NIT Campus is about 10 km from Pipli, situated on NH1, and about 5 km from Kurukshetra railway station.

About National Institute of Technology Kurukshetra (NITKKR) (Institution of National Importance)

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

About the Department of Computer Science and Engineering, NITKKR

The department started offering B.Tech. Program in Computer Engineering in 1987 with an initial intake of 30 students and subsequently raised to 210. The department also started a B. Tech program in Information Technology (IT) in 2006, with the present intake of 140 students. The Department offers two new undergraduate programs in AI & ML and AI & DS. Along with M. Tech in Computer Engineering & Cyber security, and PhD in CS & IT, the department offers four B. Tech Programs in total:
(i) Computer Engineering
(ii) Information Technology
(iii) Artificial Intelligence & Machine Learning
(iv) Artificial Intelligence & Data Science.

Chief Patron
Prof. B V Ramana Reddy, Director, NITKKR

Patron
Prof. A. K. Singh, HOD CSE, NITKKR

Convener(s)
Dr. Vaibhav Agarwal

Course Coordinator(s)
Dr. Punit Kumar,
Dr. Himansu Sekhar Pattanayak

Important Dates

Last date of Registration: December 30, 2024

For query, please contact:
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**Short Term Course (Online Mode)
On**
Integrating IoT and Machine
Learning for Enhanced
Data Processing and Analysis
(IIML-2025)

(January 2 - January 6, 2025)

Department of Computer Engineering

National Institute of Technology Kurukshetra-136119, Haryana, India

Why IoT and ML Integration?

In the rapidly growing technology of the current era, connected devices increase data generation. Handling the enormous data generated by IoT devices necessitates the integration of IoT and machine learning, leveraging advanced algorithms alongside robust data storage and processing capabilities. This Integration unlocks the full potential of IoT by adding intelligence, automation, and predictive capabilities. The benefits of combining IoT and ML is helpful in various smart applications such as healthcare monitoring, smart industrial manufacturing, intelligent transportation, and military automation. Together IoT provides the data, and ML provides the insights to enhance decision-making power, making the systems smarter, more efficient, and capable of handling the challenges of a connected world. .

Course Contents

- Introduction to IoT devices and their practical applicability.
- Configuration of IoT devices/sensors and analysis of their behavior.
- IoT Data Collection, Communication, and Processing.
- Real-time analysis of data generated by IoT devices.
- Advanced Machine Learning for IoT Applications.
- Building End-to-End IoT-ML system.

Resource Persons are from IITs, NITs, IIITs, and Institutes of repute.

Who should attend

Faculty members/research scholars/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

S. No.	Participants Category	Course Fee (Rs.)
1.	Research Scholars/Students	500
2.	Faculty members	1000
3.	Industry/R&D/Govt. Org. professionals	2000

Participants will be selected on a first-come-first served basis.

How to apply online for registration

Click https://forms.gle/9eWN28bF4Qw4EYtb8

Fill out the Google form and submit it.

Instructions for registration fee

1. Go to SBI Collect or click on
   https://www.onlinesbi.sbi/sbicollect
2. Select Educational Institution
3. Select Haryana
4. Select Director National Institute of Technology, Kurukshetra
5. Select IIML-2025
6. Make the payment and collect the receipt

REGISTRATION FORM

Short Term Course
(Online Mode)
On
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(January 2 - January 6, 2025)

Name:
Date of Birth:
Designation:
Organization:
Address for correspondence:

Phone:

E-mail:

Qualifications:

Transaction details:

Transaction ID:

Date of payment:

Amount:

Signature of applicant: