



A Short Term Course
on
Artificial Intelligence and Machine Learning for Engineering Applications (AIMLEA-2024)

July 22-26, 2024

Organized by:
Department of Electronics and Communication Engineering
National Institute of Technology, Kurukshetra-136119

Patron:

Prof. B.V. Ramana Reddy
Director

Co-Patrons:

Prof. Brahmjit Singh
Head, SCoE

Prof. Karan Sharma
Head, ECED

Convener:

Dr. Poonam Jindal

Coordinators:

Dr. Karamdeep Singh
Dr. Hemant Sharma

Important Dates:

Course Dates:

22nd – 26th July 2024

Last Date for Registration:

20th July, 2024

Notification of Selection:

21st July, 2024

Registration form along with course fee (SBI collect receipt) should be uploaded via link:

<https://forms.gle/urYRjtYkz3CD1ast8>

Email us at:

stc.ece.nitkkr@gmail.com

For any queries, you may contact us:

Karamdeep Singh: 9915037810
Hemant Sharma: 9462740103

About the course:

In today's rapidly evolving technological landscape, Artificial Intelligence (AI) and Machine Learning (ML) have become indispensable tools for engineers across various domains. This course offers a comprehensive exploration of AI and ML techniques specifically tailored for engineering applications. Participants will delve into the fundamental principles, practical methodologies, and real-world case studies, equipping them with the knowledge and skills necessary to leverage AI and ML effectively in engineering projects. This course adopts a blend of theoretical lectures and practical demonstrations using Python by experts from reputed institutes like IITs, NITs, etc.

Owing to the interdisciplinary nature of this course, participants across the disciplines will be able to attend, appreciate and augment their knowledge to keep with the emerging AI & ML techniques. The STC intends to focus on the following domains, but is not limited to:

- AI & ML –Introduction
- Neural Networks and Deep Learning Architectures
- Convolutional Neural Networks (CNNs)
- Recurrent Neural Networks (RNNs) for Time-Series Data
- Reinforcement Learning
- Generative Adversarial Network (GAN)
- Natural Language Processing (NLP)
- Ethics and Considerations in AI and ML Engineering
- Machine Learning in Communication/Agriculture/ Education
- Case Studies in Engineering Domains (e.g., IoT, Healthcare, etc.) & hands-on on Python

Target audience:

- Faculty of engineering colleges
- Graduate students/Research scholars
- Industry professionals/personnel/scientists working in public/private/Govt. organizations

#Mode of STC: STC will be conducted in **ONLINE** mode.

Registration fee: Academic Faculty: Rs. 800, Students/Research Scholars: Rs. 500, Industry/ R&D: Rs. 2000. The registration form complete in all respect, accompanied by SBI collect receipt of requisite amount should reach the course coordinators (<https://forms.gle/urYRjtYkz3CD1ast8>) latest by 20th July 2024.

For more details and registration information, visit the website
www.nitkkr.ac.in

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Artificial Intelligence and Machine Learning for Engineering Applications
(AIMLEA-2024)
July 22-26, 2024**

Department of Electronics and Communication Engineering
National Institute of Technology, Kurukshetra-136119

Name (Block Letters):M/F.....

Designation:

Institution/Organization:.....

.....

Experience:.....

EducationalQualifications: (Degree):.....Specialization:.....

Mailing address:.....

.....

Telephone:.....

Email:.....

Registration fee Details:

The Registration fee can be paid online through SBI Collect. The scanned copy of the SBI-Collect receipt along with filled registration form has to be uploaded via link: <https://forms.gle/urYRJtYkz3CD1ast8>

Transaction ID/ Reference ID.....Amount.....

Date of Payment.....

Date:

Signature

Place:

How to Apply

Interested candidates can apply online by clicking the link:
<https://forms.gle/urYRJtYkz3CD1ast8>

Participants details need to be filled and payment details be uploaded by using above link in Google Forms on or before 20th July, 2024.

Registration Deadline: 20th July, 2024.

Note: The participants need to upload (i) Proof of payment (receipt of SBI collect payment) and (ii) Signed copy of registration form by 20th July, 2024.

Payment Procedure

The Registration fee can be paid online through SBI Collect. The scanned copy of the SBI-Collect receipt along with filled registration form has to be uploaded via link:
<https://forms.gle/urYRJtYkz3CD1ast8>

ONLINE Fee Payment Through SBI Collect

Step 1: <https://www.onlinesbi.sbi/sbicollect/icollecthome.htm>

Step 2: Select **Educational Institutions**

Step 3: Select State **Haryana** and search for **DIRECTOR NIT KURUKSHETRA** in search bar (in left side). Then Select **DIRECTOR NIT KURUKSHETRA** option at the bottom

Step 4: Select Payment Category (**AIMLEA-2024**)

Step 5: Proceed (Fill the requested details & Submit) and take the print out.

Step 1: <https://www.onlinesbi.sbi/sbicollect/icollecthome.htm>

The screenshot shows the State Bank Collect website interface. At the top, there are six payment categories, each with a yellow checkmark icon:

- Payments for Services to Corporates, Government and Public Sector Undertakings
- Donations to charitable & religious institutions
- Local taxes like water tax, house tax, property tax
- Payment of fees to educational institutions, hospitals and municipal corporations
- All Payments related to merchants, industry and commercial services
- Pay using Netbanking/Debit/Credit Prepaid Cards, UPI

Below the categories is a search bar with the placeholder text: "Search by institution / organisation name (Enter minimum 4 characters)".

The "Select Category" section displays eight icons with their corresponding labels:

- Educational Institutions (highlighted with a red circle)
- Religious/Charitable Institutions
- Municipal Corporations
- Govt Departments
- Healthcare Institutions
- PSU-Public Sector Undertaking
- Recruitment
- Active Windows Private Merchant

The Windows taskbar at the bottom shows the search bar, task icons, system tray (46% battery, 16°C Haze), and the date/time (19:49, 10-02-2024).

Step 2: Select Educational Institutions.

This screenshot is identical to the one in Step 1, but with a red circle drawn around the "Educational Institutions" category icon in the "Select Category" section.

Step 3: Select State **Haryana** and search for **DIRECTOR NIT KURUKSHETRA** in search bar (in left side). Then Select **DIRECTOR NIT KURUKSHETRA** option at the bottom

The screenshot shows the 'Payment Progress' flow with five steps: Select Payee, Enter Payment Details, Verify Payment Details, Complete Payment, and Print Receipt. The 'Select Payee' step is active. The search bar contains 'Director NIT Kurukshetra' and the 'Filter by State' dropdown is set to 'Haryana'. The search results table shows 'DIRECTOR NIT KURUKSHETRA' as the only entry for Haryana.

Name of Educational Institutions	State
DIRECTOR NIT KURUKSHETRA	Haryana

Showing 1 to 1 of 1 entries (filtered from 7,012 total entries)

Step 4: Select Payment Category (**AIMLEA-2024**).

The screenshot shows the 'Payment Progress' flow with five steps: Select Payee, Enter Payment Details, Verify Payment Details, Complete Payment, and Print Receipt. The 'Enter Payment Details' step is active. The 'Payment Category' dropdown is open, and 'AIMLEA-2024' is selected.

Payment Category
TICS 2024
AAE 2024
AIMLEA-2024
PROGRAM ON INDUSTRIAL ROBOTICS (60 Hrs)
PROGRAM ON SIMCENTER SYSTEM SIMULATION (60 Hrs)
--Select any Category--

Step 5: Proceed (Fill the requested details & Submit) and take the print out.

State Bank Collect

https://www.onlinesbi.sbi/sbicollect/payment/listcategory.htm

50%

Getting Started UGC NET Solved Ques... Download CBSE UGC ... Weather Chennai | For... New Tab Faculty Recruitment 2... ENGINEERING Archive... Latest Teaching and Fa...

DIRECTOR NIT KURUKSHETRA | GOLDEN JUBILEE ADMIN BLOCK, NIT CAMPUS, KURUKSHETRA-136119

Enter Payment Details

Payment Category: RAOTEA 2024

NAME *

FATHER NAME *

DATE OF BIRTH * [dd/mm/yyyy]

MOBILE NO. *

E MAIL ID *

STUDENT/RESEARCH SCHOLAR * --Select STUDENT/RESEARCH SCHOLAR--

ACADEMIC FACULTY * --Select ACADEMIC FACULTY--

INDUSTRY/R AND D * --Select INDUSTRY/R AND D--

Remarks :

Enter Your Details

Individual Organisation / Corporate

Name * []

Mobile No * []

Date of Birth * [dd/mm/yyyy]

Email ID : []

On successful completion of payment, you will receive the transaction reference number on this mobile number.

On successful completion of payment, you will receive the transaction reference number of payment ID.

I have read and agreed to the [Terms & Conditions](#)

Activate Windows
Go to Settings to activate Windows.

Type here to search

43%

17°C Haze

ENG

20:05
10-02-2024