One week Faculty Development Program
on
Deep learning and Gen AI Applications

20th - 25th January, 2025

An Initiative of

Ministry of Electronics & Information Technology (MeitY)

Government of India

Organized by

Electronics & ICT Academy

IIT Roorkee

In association

with

B. N. M. Institute of Technology

An Autonomous Institution under VTU. Approved by AICTE.

Register Before: Jan 18, 2025

Hybrid Mode

Venue: BNM Institute of Technology
Banashankari 2nd Stage
Bengaluru, Karnataka

Chief Patron

Shri. Narayan Rao R Maanay,
Chairman, Governing Body, BNMIT, Secretary, BNMEI, Trustee, BNM Charities, Bengaluru

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Organizing Chair

Dr. Chayadevi M L, HoD, Dept. of CSE, BNMIT, Bengaluru

Why this course ?

This course enriches with strong knowledge on Deep learning frameworks and Gen AI, which are playing a crucial role in the recent technological advancements.

The role of deep learning particularly in areas like image recognition, natural language processing, and predictive analytics, which are increasingly important in today's technological landscape; essentially, it allows how to build highly sophisticated AI systems with advanced capabilities.

It opens up a wide range of applicability in solving various complex problems with high accuracy across various domains. This course also provides valuable insight on advancements in research through applications of deep learning and Gen AI frameworks.

Prerequisites

Fundamental knowledge of any programming language would be helpful.

Objectives of the course

- To gain a strong understanding of deep learning concepts, including neural networks, backpropagation.
- To explore and get familiarized with various Deep Learning Architectures and their application areas.
- To gain practical knowledge through Hands-on Sessions with Deep Learning Frameworks.
- To acquire strong foundations on NLP and Gen AI Models through practical Hands-on sessions.
- To foster the development of research and teaching competencies in deep learning and Gen AI

Speakers

- Dr. Jagriti Saini, Eternal RESTEM Chandigarh
- Dr. Girish G N, IIIT Dharwad
- Dr. Sunil C K, IIIT Dharwad
- Dr. Madura Prakash, Forus Health Pvt Ltd
- Dr. Krishna Kant Singh, Delhi Technical Campus
- Dr. V Susheela Devi, IISC, Bangalore
- Dr. Shwetha, NIT Kurukshethra
- Dr. Dinesh Naik, NITK Suratkal
- Dr. Raghuram Bharadwaj, IIIT Bengaluru
- Mr. Shrehari Shastry M L, Bosch Global Software
- Mr. Abhishek R, Ernst &Young Global Ltd
- Mr. Sathya Narayan, NITK Suratkal
- Mr. Sivaraman Arumugam, Verizon
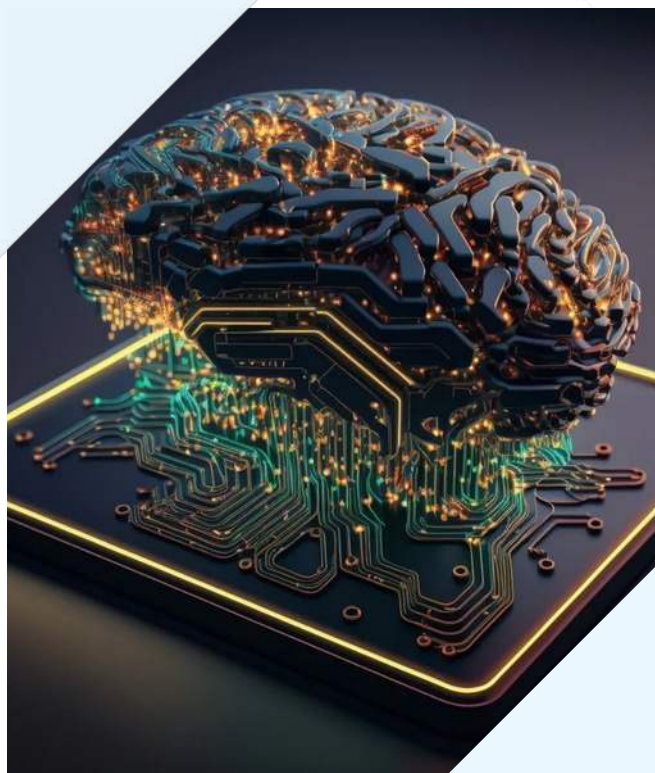- Dr. Sweeti Sah, NIT Kurukshethra

Course Features

- 40 Hours of Lectures, hands-on, and Pedagogy/Industry sessions.
- Lectures from Expert Speakers, Hands-on from industry/Academia experts.
- Access to learning material and video lectures Certificate by E&ICT Academy IIT Roorkee

Course Outcomes

- To design and deploy simple TensorFlow-based deep learning solutions to classification problems.

- To delve into Convolutional Neural Networks (CNNs) and understand their real-world applications.

- To develop profound understanding on implementation of deep learning models for image processing applications

- To understand the fundamental principles and applications of Generative AI with case studies.

- To Comprehend the complex architecture and essential components of large language models.

Experts from Academia/Industry

Who Should Register?

Any Interested Faculty/PhD-Scholars UG/PG/ & Industry Persons can register

Registration Fee

Fees: ₹250/- Faculty/Research Scholar/ Students

₹ 500/- Industry/Others

Note: Refund will be done in case of course cancellation only, with in 20 working days

FDP Kits & Refreshment will be provided

How to make Payment

Please make the payment first using the below link upload the payment receipt when filling out the Google registration form
https://eict.iitr.ac.in/instruction-for-payment/
Conference Code: EICTIITR-FDP-25-13

Registration Link

https://forms.gle/kJnB5dCnDXaYoFzf9

[QR code image]

Scan QR for registration

Register before:
Jan 18, 2025

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Who may benifit?

- Academic Faculty and Students(UG/PG)
- Government Officials.
- Working Professionals in the Industry and startups.
- Reasearch Scientists and Technical Staff.

This certificate can be considered in allignment with your Quality Improvement Programs(QIP) as well as NBA and NAAC for recognition/credit

Principal Investigator

Prof. Sanjeev Manhas ECE Department, IIT Roorkee

Course Coordinators

- Prof. Sanjeev Manhas, IIT Roorkee
- Prof. Priyanka S. BNMIT,Bengaluru
- Dr. Anitha N, BNMIT, Bengaluru
- Dr. Rajanishree M , BNMIT, Bengaluru
- Dr. Chaitra M , BNMIT Bengaluru
- Dr. Rekha B Venkatapur, KSIT, Bengaluru
- Dr. Shantala P T,TJIT, Bengaluru

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