Online Faculty Development Programme

Text Analytics with Deep Learning

1st March – 9th March 2025

Organized by Electronics & ICT Academy

National Institute of Technology Patna

Ministry of Electronics & Information Technology, Government of India

Course Overview:

The FDP will cover the

- Introduction Text Analytics with Deep Learning,
- Language modelling techniques,
- Overview of Deep Learning,
- Embedding Technique,
- Transformers,
- Text Classification,
- Text Generation and Large Language Models,
- Dialog based Systems,
- Text Summarization, etc.

Resource Persons:

Dr. Akshi Kumar, Goldsmiths University of London, UK

Dr. Md Shad Akhtar, IIIT Delhi

Dr. Sriparna Saha, IIT Patna

Dr. Mamta, King's College London

Prof. Asif Ekbal, IIT Jodhpur

Prof. M. P. Singh, NIT Patna

Dr. Sunil Saumya, IIIT Dharwad

Dr. Abhinav Kumar, MNNIT Allahabad

Dr. Abhishek Kumar, Clinical AI Assistance

Dr. Jyoti Prakash Singh, NIT Patna

Dr. Zeeshan Ahmed, Senior Research Engineer, Quantiphi

Dr. Bhaskar Mondal, NIT Patna

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Overview

The program is designed to master the knowledge of text analytics using deep learning with future directions and hands-on. A participation certificate will be provided on successful completion of the program. The Joint Winter Program is conducted under the Electronics and ICT Academy, NIT Patna (Ministry of Electronics Information Technology, Government of India).

Course Overview:

The FDP will cover the Introduction Text Analytics with Deep Learning, Language modelling techniques, Overview of Deep Learning, Embedding Technique, Transformers, Text Classification, Text Generation and Large Language Models, Dialog based Systems, Text Summarization, etc.

Registration is open to faculty, working professionals, industry personnel, and doctoral, postgraduate, and graduate students. Participants will be admitted on a first-come-first-served basis.

Register online: https://forms.gle/TPsZLM6caKzWxX9z5

Bank details

- Bank Name: Indian Bank
- Account Name: NIT Patna
- Account No.: 50380476798
- IFSC Code: IDIB000B810

Registration Fee:

Academic (faculty/PhD candidate): INR 500/-
Working professionals, Industry: INR 1000/-
Foreign Participants: USD 50/-

1. Fee once paid will not be refunded back.
2. The fee covers online participation in the programme, tutorial notes, and examination, certification charges.
3. The organizers should receive the registration amount through the online payment gateway provided at the registration portal.
4. For module details, see the separate sheet attached.

E ICT ACADEMY
SCAN & PAY
UPI ID : eictacademy@indianbk

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Schedule (Tentative)

	10.00am – 12.00 noon	12:00 noon – 01:00 pm	03:00pm – 05:00 pm	06:15pm – 08:15 pm
01/03/2025 Saturday	Dr. Akshi Kumar, Goldsmith University of Londaon, UK	Dr. Md Shad Akhtar, IIIT Delhi	Dr. Abhinav Kumar, MNNIT Allahabad	
02/03/2025 Sunday	Prof. M. P. SIngh, NIT Patna	Dr. Bhaskar Mondal, NIT Patna	Dr. Abhinav Kumar, MNNIT Allahabad	
03/03/2025 Monday			Dr. Jyoti Prakash Singh, NIT Patna	Dr. Mamta King's College London
04/03/2025 Tuesday			Dr. Sriparna Saha, IIT Patna	Dr. Bhaskar Mondal, NIT Patna Quiz 1,
05/03/2025 Wednesday			Dr. Sriparna Saha, IIT Patna	Dr. Sunil Saumya, IIIT Dharwad
06/03/2025 Thursday			Prof. Asif Ekbal, IIT Jodhpur	Dr. Sunil Saumya, IIIT Dharwad
07/03/2025 Friday			Prof. Asif Ekbal, IIT Jodhpur	Dr. Jyoti Prakash Sing, NIT Patna, Quiz 2
08/03/2025 Saturday	Dr. Kishanu Maity, Samsung Research	Dr. Zeeshan Ahmed Quantiphi AI	Dr. Jyoti Prakash Singh, NIT Patna, Hands on,	
09/03/2025 Sunday	Dr. Abhishek Kumar, Clinical AI Assistance	Dr. Bhaskar Mondal, NIT Patna	Hands on Quiz 3 Valedictory	

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About Us:

NIT Patna established in 2004, NIT Patna is the 18th NIT under the Ministry of Education, Government of India.. With roots dating back to 1886, it is the 6th oldest engineering institute in India. The campus, situated on the picturesque southern bank of the Ganges near the historic Gandhi Ghat, combines architectural heritage with natural beauty. NIT Patna ranked 55th in the NIRF Rankings 2024. NIT Patna is celebrated for academic excellence and a dynamic curriculum designed to meet industrial demands while fostering holistic development. Through vibrant cultural programs, sports, and NSS activities, the institute promotes innovation, leadership, and national integration. With rapid infrastructure advancements and exceptional placement records, NIT Patna continues to empower students to excel across diverse fields.

Objective (Electronics & ICT Academy-Phase II)

- To conduct specialized FDPs for faculty/mentor training in line with the vision of MeitY by promoting emerging areas of technology and other high-priority areas that are pillars of both the "Make in India" and the "Digital India" programs.

- To promote synergy and collaboration with industry, academia, universities, and other institutions of learning, especially in emerging technology areas.

- To support the National Policy on Electronics 2019 (NPE 2019), which envisions positioning India as a global hub for the ESDM sector, including the MeitY Schemes/policies such as the Programme for Semiconductors and Display Fab Ecosystem; India AI; National Programme on AI, Production Linked Incentive Scheme for IT Hardware & Large-Scale Electronics Manufacturing; EMC; SPECS; Chips to System (C2S); etc.

- To promote the standardization of FDPs through Joint Faculty Development Programmes.

- To support the vision of the National Education Policy (NEP 2020), which mandates that Indian educators go through at least 50 hours in professional development programmes per year.

- To design, develop & deliver specialized FDPs on emerging technologies/ niche areas/specialized modules for specific research areas for Faculty in Higher Education Institutions (HEI), besides FDPs on multi-disciplinary areas connected with ICT tools and technologies and other digital hybrid domains, covering a wide spectrum of engineering and non-engineering colleges, polytechnics, ITIs, and PGT educators.

http://www.nitp.ac.in

meity.gov.in/content/schemes-projects

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Prof. P. K. Jain

Chairman, EICT Academy & Director Nit Patna

Prof. M.P Singh, CSE

Chief Investigator, EICT Academy

Dr. Bikash Chandra Sahana, ECE

Co-Chief Investigators, EICT Academy

Programme Coordinator

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Programme Coordinator

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