



FACULTY DEVELOPMENT PROGRAMME (FDP) ON Natural Language Processing with Deep Learning (05 May -10 May 2025)



Organized by
Electronics & ICT Academy (Hub), NIT Warangal
in association with
E&ICT Academy (Spoke), NIT Andhra Pradesh

&
Vishnu Institute of Technology, Bhimavaram

Sponsored by
Ministry of Electronics and Information Technology (MeitY), GoI



About FDP

In the era of foundation models such as GPT and Llama, knowledge of these models and the technology behind them is essential for the faculty of Engineering institutes. This FDP aims to provide the knowledge of modern NLP methods such as word embeddings, RNNs, Transformers, LLMs, Pretraining, Finetuning, Prompting, Reasoning and Explainable AI. It focuses on thorough understanding of various deep learning architectures along with their specific use-cases in NLP with a blend of theoretical and hands-on sessions.

Major Course Content:

- Word Embeddings – word2vec, Glove
- RNNs – LSTM, GRU
- Attention, Transformers and PLMs - BERT,GPT
- Instruction Fine-tuning
- Prompting, In-Context Learning and Chain-of-thought
- Retrieval Augmented Generation, AI Agents
- Large and Small Language Models
- Interpretability and Explainability
- NLP Applications – sequence labeling, classification, QA, summarization etc.

Experts

The program will be conducted by the faculty members from NIT Andhra Pradesh. Academicians in the concerned field from IITs/NITs/IIITs/CFTIs/ reputed institutes are invited to deliver lectures in the program. Speakers from industries are also expected to deliver as part of the course.

Fee Particulars

Participants need to pay the Registration Fee Online using the following details

Faculty/Ph.D Scholars	Rs.1500/-
Industry Participants	Rs.7500/-

Online Transfer Details

Account Name : **Electronics & ICT Academy NITW**
Account No : **62423775910**
IFSC : **SBIN0020149**
Bank and Branch: **State Bank of India, NIT(REC) Warangal**

How to apply:

Participants are required to fill the online registration form by clicking on the following link:

<https://forms.gle/YhT3mwN5UFhMRikb7>

Selection Criteria:

Selection will be done based on first-come-first-serve basis to a preferable maximum number of 50 (fifty). Candidates will be issued satisfactory certificates on successful completion of the course.

Important Dates:

Last date (Application)	28.04.2025
Selection List by E- mail	29.04.2025
Duration	05.05.2025 to 10.05.2025

About NIT Warangal:

National Institute of Technology, Warangal, is the first among 17 RECs set up as a joint venture of the Government of India and the state government. Over the years, the college has established itself as a premier Institute imparting technical education of a very high standard, leading to B.Tech degrees in various branches of engineering, M.Tech., and Ph.D. programs in various specializations. All B.Tech and M.Tech programs of NIT Warangal are NBA accredited.

About NIT Andhra Pradesh

NIT Andhra Pradesh is the 31st institution among the chain of NITs started by the Government of India, established in the academic year 2015 – 2016. The institute offers B.Tech., M.Tech., M.B.A, M.S. (by research) and Ph.D. programmes in major Engineering disciplines. The CSE department has qualified, dedicated, experienced faculty with a deep sense of commitment towards the students and institution. Faculty proficiency in thrust areas of Computer Science motivates students to participate in research activities and skill development programs.

About Vishnu Institute of Technology

Vishnu Institute of Technology (VITB), established in 2008 by Sri Vishnu Educational Society (SVES), stands as one of the premier engineering institutions in Andhra Pradesh. Approved by AICTE and permanently affiliated with JNTUK, Kakinada, VITB has earned an 'A++' grade accreditation from NAAC (3.51/4) and attained autonomous status for ten years since 2019. With a strong emphasis on innovation, research, and industry relevance, VITB provides a dynamic learning environment that nurtures talent and prepares students for successful careers. The institute takes pride in shaping the future of thousands of students year after year, offering them the opportunity to grow, explore, and achieve their full potential.

***Accommodation will be available at Vishnu Institute of Technology.**

Dr. R. Srinivasa Raju

Associate Professor & HoD

Department of CSE

Vishnu Institute of
Technology

Bhimavaram - 534202

Email:
srinivasaraju.r@vishnu.edu.in

Ph. No: 9963714270

Dr. K. Hima Bindu

Assistant Professor

Department of CSE

NIT Andhra Pradesh

Tadepalligudem -534101

Email:
himabinduk@nitandhra.ac.in

Ph. No:9494451255