ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP) ON
"NLP Trends and Applications"
(12th -21st December 2024)
Organized by
Electronics & ICT Academy, NIT Warangal
In Association With
Department of Data Science,
G.H. Raisoni College of Engineering and Management, Nagpur,
Sponsored by
Ministry of Electronics and Information Technology (MeitY), GoI.

Preamble:

"Electronics & ICT Academy – Phase II" was set up at NIT Warangal with financial assistance from MeitY, GoI. This academy's role is to offer Faculty Development Programmes in standardized courses and emerging areas of Electronics, Information Communication Technologies, training & consultancy services for Industry, Curriculum development for Industry, CEP for working professionals, Advice and support for technical incubation and entrepreneurial activities.

About the FDP:

Natural Language Processing (NLP) has seen significant advancements in recent years, driven by developments in machine learning, deep learning, and vast amounts of text data. This Online FDP is devoted to address the need to enhance the knowledge about the latest development in the field of Natural Language Processing and its applications.

Major Course Content:

- Introduction to Natural Language Processing (NLP)
- Fundamentals of NLP: Syntax, Semantics, and Pragmatics
- Machine Learning Basics for NLP
- Deep Learning for NLP: Neural Networks and Architectures
- Word Embedding's and Word2Vec
- Sequence-to-Sequence Models
- Transformer Architecture: BERT, GPT, etc.
- Text Classification and Categorization
- Text Generation and Language Modeling
- Topic Modeling
- Speech Recognition and Natural Language Understanding
- Conversational AI and Chabot's
- Multimodal NLP: Text with Images, Audio, and Video
- Ethical Considerations in NLP Research and Applications
- NLP in Healthcare: Clinical Text Mining and Medical NLP
- NLP in Education: Intelligent Tutoring Systems
- ChatGPT and Applications
- Hands-on use cases

Faculty conducting this programme:

The programme will be conducted by the faculty members from NIT Warangal; Academicians in the concerned field from IITs/NITs/IIITs are invited to deliver lectures in the programme. Speakers from industries are also expected to deliver as part of the course.

Registration Fee Particulars:

Faculty and Research Scholars	Rs.750/-
Industry Participants	Rs.2250/-

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

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/ZqdGM7tJWbAvSbBV6

Selection Criteria:

Selection will be done based on first-come-first-served basis to a maximum number of 40 (fourty). Candidates will be issued satisfactory certificates on successful completion of the course.

Important Dates:

Last date (Application)	05.11.2024
Selection List by E- mail	11.11.2024
Duration	12th -21st December, 2024

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. programmes in various specializations. All B. Tech and M. Tech programmes of NIT Warangal are NBA accredited.

Coordinators

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