



ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP) ON



Advancement in Communication Systems: Integrating AI & ML for enhanced Signal Processing (November 11-20, 2024)

Organised by
Electronics & ICT Academy, NIT Warangal
In Association With

G. Narayanamma Institute of Technology & Science - (For Women)
Shaikpet, Hyderabad, Telangana-500 104

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:

This Faculty Development Programme (FDP) is devoted to address the need to enhance the knowledge about the latest technologies pertaining to "Advancement in Communication Systems: Integrating AI & ML for enhanced Signal Processing" is being conducted at **G. Narayanamma Institute of Technology & Science (For Women), Hyderabad**. The course is handled by academicians and industry experts.

Major Course Content:

- Overview of Communication Systems & DSP
- Introduction to AI and ML
- AI/ML Algorithms for Signal Processing
- Estimation Techniques of ML/DL
- Artificial Neural Networks For DOA Estimation
- AI-Driven Modulation and Coding Techniques
- Case Studies of AI in Communication Systems
- Hands-on Implementing AI/ML in Signal Processing
- Ethical Considerations in AI/ML Applications
- Future Trendsends in Communication Systems

Faculty conducting this programme:

The programme will be conducted by the faculty members from NIT Warangal, and GNITS. 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 programme.

Registration Fee Particulars:

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

All 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/ksDd5hSLvnewwNjc8>

Selection Criteria:

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

Important Dates:

Last date (Application)	02.11.2024
Selection List by E- mail	05-11-2024
Duration	11-11-2024 to 20-11-2024

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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