



Experts/Speakers(Tentative)-

1. Prof. S. Umesh, IIT Madras
2. Prof. Hema A. Murthy, IIT Madras
3. Prof. Preeti Rao, IIT Bombay
4. Prof. K. S. Rao, IIT Kharagpur
5. Prof. R. M. Hegde, IIT Kanpur
6. Prof. S. R. M. Prasanna, IIT Dharwad
7. Prof. Rohit Sinha, IIT Guwahati
8. Dr. Prasanta Kumar Ghosh, IISc Bangalore
9. Dr. Ganapathy Sriram, IISc Bangalore
10. Dr. Chandra Sekhar S., IISc Bangalore
11. Prof. C. Chandra Sekhar, IIT Madras
12. Prof. Samudravijaya K., KL University
13. Prof. Suryakanth V Gangashetty, KL University
14. Dr. Govind D, KL University

Objective (Electronics & ICT Academy-Phase II)

- 1) To conduct specialized FDPs for faculty/mentor training in line with the vision of MeitY in high-priority areas supporting the "Make in India" and the "Digital India" programs.
- 2) To promote synergy and collaboration with industry, academia, universities and other institutions of learning
- 3) To support the National Policy on Electronics 2019 (NPE 2019), which envisions positioning India as a global hub for ESDM sector, including MeitY Schemes/policies such as 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.
- 4) To promote standardization of FDPs through Joint Faculty Development Programmes.

An intensive 40-Hour Training Programme in online mode is being organized for faculty, doctoral students of engineering and technological institutions. Working professionals from industry/organizations are also invited to attend. The main theme of the training program will be oriented around exploring the state-of-the-art methods for recent advancements in deep learning for speech processing. The training hour is 5-6 hours / each day.

Programme Modules:

- Module 1:** Data pre-processing and data visualization using python/MATLAB
Module 2: Feature extraction techniques employed in different areas of speech processing
Module 3: Introduction to various deep neural network architectures such as DNN, CNN, RNN, TDNN, LSTM with a focus on their application in various domains of speech processing;
Module 4: Fundamentals of Transformers, Transfer Learning, Self-supervised Learning and Federated Learning;
Module 5: End-to-end architectures for speech recognition, speaker verification, and speech enhancement;
Module 6: Generative adversarial networks (GANs) and their application in speech enhancement and voice conversion
Module 7: Basics of Tensor Flow/Keras/PyTorch/Jupyter and Colab
Module 8: Hands-on session on Python/MATLAB

Principal/Joint-Principal Coordinators

Dr. Satyasai Jagannath Nanda, Joint Principal Coordinator	Mob.- 9549654237 fdp.academy@mnit.ac.in	MNIT Jaipur
Dr. Syed Shah Nawazuddin, Principal Coordinator		NIT Patna
Dr. Ashish Kumar Bhandari, Joint Principal		NIT Patna

Registration is open to faculty, working professionals, industry persons, doctoral, postgraduate, and graduate students from India and the rest of the world. Participants will be admitted on a first-come, first-served basis.

Registration Fee

Mode of programme	India/SAARC/Africa		Rest of the world
	Academia (faculty/Students)	Others	
Online	Rs. 750/-	Rs. 1500/-	US \$ 60/-

(18% GST extra)

- Fee once paid will not be refunded back; however, can be adjusted for a future programme.
- The fee covers online participation in the programme, tutorial, notes and examination, certification charges etc.
- The registration amount may be paid through online mode- NEFT/UPI/Cards/SWIFT, provided at the registration portal.
- Detailed schedule will be shared after receiving registration form

Register online at - <http://online.mnit.ac.in/eict/>

→ For queries, contact us at fdp.academy@mnit.ac.in

EICT Academy MNIT Jaipur



MNIT Jaipur one of the oldest NITs, the institute has a rich heritage of sixty years producing world class engineers, managers, architects and scientists. Ranked 42nd nationally in the NIRF ranking-2025 (Engineering), the institute offers learning opportunities for undergraduate, postgraduate students, and researchers in various domains. Having a lush green campus of over 317 acres within the heart of the pink city, close to Jaipur International Airport, the campus offers a safe and lively environment. A world class teaching infrastructure, state-of-art laboratories welcome you at the campus. The institute has a vision to impart education of international standards and conduct research at the cutting edge of technology.