



Experts/Speakers-

Prof. N. P. Padhy	MNIT Jaipur
Prof. Ganapati Panda	CGU Odisha
Prof. Bijay Ketan Panigrahi	IIT Delhi
Prof. Ratnajit Bhattacharjee	IIT Guwahati
Prof. Pyari Mohan Pradhan	IIT Roorkee
Prof. Nithin V. George	IIT Gandhinagar
Dr. Sriparna Saha	IIT Patna
Dr. Abhishek Gupta	IIT Goa
Prof. Kusum Deep	IIT Roorkee
Prof. Swagatam Das	ISI Kolkata
Prof. Jagdish C. Bansal	SAU New Delhi
Dr. Anil Kumar	IIITDM Jabalpur
Prof. Rajesh Kumar	MNIT Jaipur
Dr. Ajit K. Sahoo	NIT Rourkela
Dr. Vasundhara	NIT Warangal
Dr. Sitanshu S. Sahu	BIT Mesra
Other experts from EICT Academies, IITs/NITs/IIITs and Top Univ. industries/labs	

EICT Academy MNIT Jaipur

Chairman, EICT Academy & Director MNIT Jaipur Prof. Narayana Prasad Padhy
Chief Investigator: Prof. Vineet Sahula
Coordinator: Dr. Satyasai Jagannath Nanda
Co- Chief Investigators: Prof. Lava Bhargava, Prof. Pili Emmanuel Shubhakar, Dr. Ravi Kumar Maddila

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.

This intensive 40 Hours Training Programme aims to enhance participants' knowledge and skills in the state of the art methods for Advanced Optimization Techniques (AOT). The program also provides real life applications of AOT techniques. Handson sessions will be carried out min **MATLAB platform**. The program is scheduled to take place daily from 04:00 to 08:00 PM.

Programme Modules :

Module 1: Fundamental of Optimization: Classical Optimization techniques, Linear programming, Constrained Optimization, Linear and Nonlinear Optimization, Open problems.

Module 2: Nature Inspired Optimization: Genetic Algorithms, Particle Swarm Optimization, Ant Colony Optimization, Artificial Bee Colony and Other nature inspired Algorithms, Comparing Nature Inspired Optimizers.

Module 3: Multi & Many Objective Optimization (MOO): Nondominated Sorted Genetic Algorithm NSGA-II & NSGA-III, MOO for Clustering, Cognitive Radio, Sensor Networks, Multi task Optimization, Dynamic Optimization.

Module 4: Real Life Applications: Wireless Sensor Network, Nonlinear System Identification, Data Clustering, Active Noise Control, Bio informatics, Signal Processing, Hyperspectral Image Processing, Many other applications.

Programme Coordinator:

Principal/Joint-Principal Coordinators		
Dr. S. J. Nanda, PC (M-9549654237); Dr. Ila Sharma, PC (M-9549650769) MNIT Jaipur	Dr. B V Phani, Jt-PC IIT Kanpur	Jt-PC IIITDM Jabalpur
Jt-PC IIT Guwahati	Jt-PC IIT Roorkee	Jt-PC NIT Panta

Spoke Coordinator

Dr.		
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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 (18% GST extra)		Rest of the world
	Academia (faculty/Students)	Others	
Online	Rs. 750/-	Rs. 1500/-	US \$ 60/-

- 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



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.