Organized by
Electronics & ICT Academy

MNIT Jaipur & Spoke Academies
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Hybrid FDP Programme
on
Agentic AI-Driven Human-Centered Systems: An Ergonomics Perspective

18th – 28th January, 2027

An Initiative funded by
Ministry of Electronics and Information Technology
Government of India
meity.gov.in/content/schemes-projects

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. Pilli 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.

An intensive 40 Hours Training Programme in Hybrid mode is being organized for faculty and doctoral students of engineering and technological institutions. It is also open to working professionals from industry/organizations. The main theme of training program will be oriented around exploring the state of the art methods for *Agentic AI-Driven Human-Centered Systems: An Ergonomics Perspective (AIDERGO-2027)*. **The programme will be run during 03.00 PM to 07.00 PM (4 hours/day).**

Experts/Speakers-

1. Prof. Debkumar Chakrabarti, Retd. IIT Guwahati
2. Prof. Abid Ali Khan, AMU UP
3. Prof. Sougata Karmakar, IIT Guwahati
3. Prof. M. Rajik Khan, NIT Rourkela
5. Prof. M. Muzammil, AMU UP
6. Dr. L. P. Singh, NIT Jalandhar
7. Dr. Ashish Singh, IIT Kanpur and

Experts from IITs, NITs, Industrial and Academia Experts

Programme Modules:

Module 1: Foundations of Human-Centered Systems and Ergonomics: Introduction to Ergonomics & Human Factors Engineering; Human-Centered System Design Principles; Physical, Cognitive & Organizational Ergonomics; Hands-on Practice
Module 2: Ergonomic Measurement and Human Data Acquisition: Anthropometry & Biomechanics in Ergonomics; Ergonomic Risk Assessment Methods (RULA, REBA, NIOSH); Hands-on Practice
Module 3: Data Analytics and AI for Ergonomic Assessment: Ergonomic Data Types & Pre-processing; Introduction to Data Analytics & ML for Ergonomics; Hands-on Practice
Module 4: Agentic AI for Adaptive Human-Centered Systems: Concept & Architecture of Agentic AI; Agentic AI vs Traditional AI in Human Centered Systems; Human-AI Interaction, Trust & Ethics; Hands-on Practice and Case Study
Module 5: Applied Ergonomics and Human Factors Research: Applications of Ergonomics in Industry 4.0 & Smart Systems; Ergonomics in Manufacturing & Service Sector; Hands-on Practice and Case Study

Programme Coordinators		
Prof. M. L. Meena	fdp.academy@mnit.ac.in	9462822233 (M)

Registration:

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.
- A detailed schedule will be shared after receiving the 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.