**Online Faculty Development Programme on**

# Artificial Intelligence for Computer Vision and Medical Image Processing

**July 14th - 24th, 2025**

PDPM IIITDM Jabalpur

**Jointly organized by Electronics and ICT Academies**
**Established by the Ministry of Electronics and Information Technology, Govt. of India**

| IIITDM Jabalpur | IIT Guwahati | IIT Kanpur | IIT Roorkee | MNIT Jaipur | NIT Patna | NIT Warangal |
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## Objective (Electronics & ICT Academy-Phase II)

1. To conduct specialized FDPs for faculty/mentor training in line with the vision of MeitY by promoting emerging areas of technology and other high-priority areas that are pillars of both the "Make in India" and the "Digital India" programs.
2. To promote synergy and collaboration with industry, academia, universities and other institutions of learning, especially in emerging technology areas.
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.
5. To support the vision of the National Education Policy (NEP 2020), which mandates that Indian educators go through at least 50 hours in professional development programmes per year.
6. To design, develop & deliver specialized FDPs on emerging technologies/ niche areas/ specialized modules for specific research areas for Faculty in Higher Education Institutions (HEI), besides FDPs on multi-disciplinary areas connected with ICT tools and technologies and other digital hybrid domains, covering a wide spectrum of Engineering. and non-engineering colleges, polytechnics, ITIs, and PGT educators.

### Joint-Principal Coordinator

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### Principal Coordinator

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This 40-hour Faculty Development Program (FDP) on Artificial Intelligence for Computer Vision and Medical Image Processing will help educators and researchers learn about AI basics and how it applies to Medical Imaging and related technologies. Participants will explore machine learning and deep learning concepts, focusing on AI for medical imaging which aids in diagnostics. Through hands-on activities and real-world applications, attendees will gain practical knowledge and skills to use AI effectively in various domains including medical image analysis.

## Course Contents:

- ♣ Introduction to AI and its applications
- ♣ Computer Vision Techniques in Medical Image
- ♣ Video Surveillance and Monitoring
- ♣ Natural Language Processing
- ♣ Biometrics
- ♣ Bio Medical Image Processing
- ♣ Use of AI in Brain Computer Interfacing
- ♣ Federated Learning and Privacy in Medical AI
- ♣ Hands on training

**Resource Persons:** Experts from Premier Institutions like IITs, NITs and IIITs and experienced personnels from relevant Industries.

**Registration Link:** https://forms.gle/AtsnaM46QKwrtbyG8
Last Date of registration: 04/07/2025

PDPM IIITDM JABALPUR
SCAN & PAY

UPI ID : iiitdmj@indianbk

Beneficiary Name -PDPM IIITDM Jabalpur
Bank Name -  INDIAN BANK
A/C No. -       50018692852
IFSC Code -     IDIB000M694

**Certification Fee:** Academic (Faculty/Students): ₹ 500/-
Industry Professionals/Others: ₹ 1000/-
International Participants: US$ 60 or £ 50

**No Registration fee is charged for attending these programs.**
The fee covers course material and certification charges. The Certificate for participation as well as for satisfactory performance will be given to participants subject to fulfillment of attending the sessions, submission of assignments/clearing the test(s).

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