



**One Week Virtual
Faculty Development Programme (FDP)**

On

Multimodal Deep Learning and Vision- Language Models: The New Era of Visual Intelligence

27.07.2026 to 31.07.2026

Organized by

**Department of Artificial Intelligence and
Data Science**

**Coimbatore Institute of Technology
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FDP Coordinators

**Dr.A.Saran Kumar
Associate Professor, Department of AI&DS
Coimbatore Institute of Technology**

**Ms.R.Janagi
Assistant Professor, Department of AI&DS
Coimbatore Institute of Technology**

ABOUT CIT

Coimbatore Institute of Technology (CIT), started in 1956 by Sri. V. Rangasamy Naidu is reckoned for its academic and research excellence in engineering and technology. CIT is a Government Aided Autonomous Institution affiliated to Anna University, Chennai. The institute has a reputation with service of competent well qualified faculty members and dynamic management to set highest standards in engineering research and development. CIT offers undergraduate, post graduate and PhD programs with curriculum of global standards, promoting the students to compete internationally. All the courses are accredited by NBA and NAAC. The institute has celebrated its Golden Jubilee in the year 2006 and has collaborations with leading frontier universities and industries in India and abroad for promotion of innovative engineering ideas.

ABOUT THE DEPARTMENT

AI and Data Science are the key enablers for disruptive innovations of this century, these emerging technological revolutions have reshaped our work and life style. From the start of June 2021, CIT, Coimbatore establishes a new department Artificial Intelligence and Data Science. The department will be driven by its commitment to excel in research, design and development of next generation cutting-edge technologies in the area of Artificial Intelligence and Data Analytics. Our mission is to cultivate Industry-Academia Partnership to drive collaborative research with other domains and equip our talents to contribute on multi-disciplinary projects by translating the developed technology into real world impacts.

ABOUT THE FDP

This Faculty Development Programme provides participants with a comprehensive understanding of multimodal deep learning, where multiple data modalities such as images, text, audio, and video are jointly processed to build intelligent AI systems. The programme covers the evolution from conventional computer vision to modern Vision-Language Models (VLMs), multimodal foundation models and large multimodal models (LMMs), emphasizing practical implementation using state-of-the-art open-source frameworks and pre-trained models. Participants will gain hands-on experience in developing image captioning, visual question answering, document understanding, multimodal retrieval, and domain-specific AI applications. The course also discusses model optimization, explainability, ethical AI and deployment strategies for real-world applications. Multimodal AI combines information from multiple data types (such as text and images) to improve understanding and reasoning, while Vision-Language Models jointly learn visual and textual representations for tasks like image captioning and visual question answering.

COURSE OUTCOMES

- Introduce Multimodal Deep Learning and multimodal AI systems.
- Explore Vision-Language Models (VLMs) and multimodal foundation models for visual understanding and reasoning.
- Develop multimodal AI applications such as image captioning, VQA, document intelligence, visual search, and retrieval.
- Examine multimodal AI applications in healthcare, robotics, manufacturing, agriculture, education, and autonomous systems.
- Discuss optimization, explainability, ethics, and responsible deployment of Vision-Language Models.

ELIGIBILITY

This FDP is open to all students, research scholars & Faculty members working in relevant area of discipline in AICTE approved institutions (Engineering Colleges, Polytechnic Colleges) and Industry Professionals.

CERTIFICATIONS

Selection will be based on first come first served basis.

E-Certificate will be issued to all attending participants. Submission of feedback is mandatory.

GENERAL INSTRUCTIONS FOR PARTICIPANTS

Join every session 10 minutes before the scheduled timings.

All participants should ensure their active participations in all sessions and 85% Attendance is compulsory

- The FDP is scheduled to take place between 6.00 PM and 8.00 PM

FOR ANY QUERIES CONTACT

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Ms.R.Janagi
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REGISTRATION FEE

UG / PG Students: **Rs.100**

Research Scholars / Academicians/

Industry Professionals: **Rs.300**

Last date for Registration: **24.07.2026**

Date of intimation for selected participants:
25.07.2026

REGISTRATION FEE PAYMENT DETAILS

ACCOUNT NAME: CIT
MANAGEMENT A/C

BANK: INDIAN BANK

ACCOUNT NUMBER: 940927784

BRANCH: PEELAMEDU

IFSC CODE: IDIB000S107

REGISTRATION FORM

Participants interested to attend this program should register online in the below mentioned link.

QR CODE



LINK FOR REGISTRATION:

[Click here](https://forms.gle/gD1n3nQ6GvhrrdS6A)

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