



VIT®
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)



AI
HEALTHCARE
INNOVATION
STUDENTS
IMPACT

NEXAI 2026 INDUSTRY ACADEMIA CONCLAVE

SCHOOL OF COMPUTER SCIENCE AND ENGINEERING (SCOPE)
DEPARTMENT OF ANALYTICS

MedAI-nEXUS 2026

IMAGING • INTELLIGENCE • INTEROPERABILITY
Poster Presentation and Prototype Demonstration
AI-Enabled Medical Imaging, Surgical Planning
and Intelligent Healthcare Systems

22 OCTOBER 2026
THURSDAY

SJT FOODYS
VIT, Vellore



EVENT
POSTER + PROTOTYPE

REGISTRATION FEE
INR 350 per person (inclusive of GST)

ABOUT THE EVENT

MedAI-nEXUS 2026 is a student-focused event that brings together UG, PG and PhD scholars to showcase innovative ideas, prototypes and research in medical imaging, clinical AI, surgical planning and secure healthcare information systems. The event provides a platform for poster presentations and live demonstrations, fostering interdisciplinary collaboration and real-world impact in healthcare.

THEME AND TRACKS

A focused student challenge connecting medical imaging, clinical AI, surgical planning and secure healthcare information systems.

- A** **Medical Imaging Informatics and Interoperability**
PACS, DICOM, HL7, FHIR, healthcare APIs and patient-data integration.
- B** **AI-Driven Clinical Decision Support**
CDSS, multimodal patient information, predictive models, risk assessment and explainable AI.
- C** **AI for Medical Image Analysis**
Detection, segmentation, classification, tumour localization, abnormality detection and quantitative imaging.
- D** **AI-Assisted Medical Visualization and Surgical Planning**
CT/MRI visualization, skill-defect and tumour localization, pre-planning, image-guided planning and surgical decision support.
- E** **Healthcare IT Infrastructure, Networking and Security for PACS and EHR**
Storage, compute, networks, VLAN, ACL, proxies, authentication, access control and secure communication.

OPEN DATASET GUIDANCE

Teams may use an openly accessible, ethically sourced dataset aligned with the selected track. No single dataset is mandatory; teams must verify access and reuse terms.
Optional Resource: physionet.org/about/database/

PRIZES FOR TOP THREE TEAMS

First Prize
₹ 3,000

Second Prize
₹ 2,000

Third Prize
₹ 1,000

All participants will receive participation certificates.
Winners will be recognized for their innovation and impact.

CHIEF GUEST & JURY

Dr. Devakumar Devadhas
Professor
Christian Medical College and Hospital, Vellore



REGISTRATION LINK
<https://events.vit.ac.in/>



FACULTY COORDINATORS

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