



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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EVENT HIGHLIGHTS



Poster Presentation +
Prototype Demonstration



Innovative
Student Solutions



Hands-on
Demonstrations



Certificates and
Recognition

PARTICIPATION AND REGISTRATION



Eligibility

Open to UG, PG and PhD scholars. Teams of up to three students. Interdisciplinary participation is encouraged.



Submission

Poster, prototype, project details, code and generated outputs through the event portal.



Evaluation

Demonstration to evaluators; common dataset (where applicable). Final criteria and weights will be communicated.



Team Size

Maximum 3 students per team.



Fee

INR 350 per person (inclusive of GST)



Deadline

15 October 2026.

EVENT (TWO ROUNDS)



ROUND 1

Paper / Idea Submission

Participants must submit the following:

- Extended abstract (2-4 pages as per template)
- Poster (PDF)
- Project description (problem statement, methodology, results/expected outcome)
- Optional short video (supplementary material)
- Submission by: 15 October 2026

Selected teams will be informed for Round 2



ROUND 2

In-Person Presentation with Prototype Demonstration

Shortlisted teams will:

- Present their poster and demonstrate the prototype
- Live interact with jury the chief guests & jury
- Evaluate based on innovation, technical content, demonstration and real-world impact
- **Venue:** SJT Foodys, VIT Vellore
- **Date:** 22 October 2026.

