



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

National Workshop on

DIGITAL SIGNAL PROCESSING:

AI AND COMPUTING PERSPECTIVE

(ONLINE MODE)



DATE
23 November 2026



TIME
9.30 AM - 5.30 PM



MODE
Online

Organized by

SCHOOL OF ELECTRICAL ENGINEERING (SELECT)

VIT, VELLORE

SESSION TOPICS | WHAT YOU WILL LEARN



1 AI Enabled Wireless System Design

WHAT YOU WILL LEARN

- How phones and Wi-Fi send data through noisy air
- How AI cleans up weak signals and cuts errors
- How smart models help design better wireless links



2 AI tools for image processing

WHAT YOU WILL LEARN

- How a computer sees a photo: as a grid of numbers
- Fix blurry or grainy pictures with AI tools
- Teach a computer to spot things in an image



3 Wavelet Transforms: Hands-on Laboratory

WHAT YOU WILL LEARN

- Why wavelets catch quick blips and slow trends
- Try it yourself in a live, hands-on lab
- Use wavelets to remove noise and shrink data



4 Signal Feature Extraction: Techniques, Applications, and Future Opportunities

WHAT YOU WILL LEARN

- How to pull useful clues out of messy signals
- Where it helps: health, machines, speech, sensors
- Which new opportunities are opening up next

COORDINATORS



Balaji S
Professor
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GK Rajini
Professor
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WHO CAN JOIN



- UG / PG / PhD Students
- Faculty
- Industry Delegates

RESOURCE PERSONS



Experts from

- IIT Kharagpur
- IIT Tirupati
- VIT Mauritius
- VIT Vellore

REGISTRATION LINK



SCAN TO REGISTER

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

REGISTRATION FEE

Rs 300

(inclusive of GST)

E-CERTIFICATES WILL BE PROVIDED
FOR THE PARTICIPANTS

ADVISORY COMMITTEE

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