National workshop
on
"EMERGING QUANTUM TECHNOLOGIES"

(HYBRID MODE)

7th March 2026

Organized by

Department of Micro and Nano Electronics
School of Electronics Engineering (SENSE)
Vellore Institute of Technology (VIT)
Vellore-632014

The aim of the program
- Exposure to rapidly evolving field of quantum technologies
- Exposure to Quantum materials
- Exposure to Photonic devices for Quantum Communication
- Research Opportunities, Careers & Funding Ecosystem

Who Can Attend?
- Faculty, Research scholars, PG and UG students.

Course Content:
- Overview of Quantum Basics
- Classical vs quantum paradigm
- Superposition & entanglement (intuition)
- Need for quantum technologies
- Where quantum technologies fit in modern electronics, communication and computing
- Overview of Quantum materials
- Photonic material
- 2D materials
- Superconducting Materials
- Photonic devices for Quantum Communication
- Single Photon detector
- Quantum sources
- Modulator and Controllers
- Research Opportunities, Careers & Funding Ecosystem
- Research problems in quantum communication devices
- Final-year / PG / PhD research directions
- Industry vs academia pathways
- International Funding opportunities

Venue: TT727, SENSE, VIT, Vellore

Registration fee:
- Internal Participants: Nil
- External Participants: Rs 500/- (Including GST

Chairperson:
Dr. Jasmine Pemeena Priyadarshini
Professor & DEAN, SENSE

Convenor:
Dr. Sriadibhatla Sridevi
HOD, MNE, SENSE

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Assistant Professor, SAS, VIT Vellore

Last date for Registration:
On or before: 6th March, 2026

Registration Link:
Visit: https://events.vit.ac.in/