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REGISTRATION PROCESS

Prospective participants are requested to register for the programme through the following web link:

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



REGISTRATION FEE

Participants from India:

Rs. 300 + 18% GST

Participants from outside of India:

USD. 50



Last Date for Registration: 02 Oct 2026

INVITED SPEAKERS:

1. Dr.Sainath, Ford, Chennai, India
2. Dr. Veerapandiyan, Curtin University, Singapore
3. Dr. Joan Giner, Purdue University Northwest, Indiana, USA
4. Dr. Mohasha, Senior Scientist, A*Star, Singapore
5. Dr. Somasundaram, Founder, DoMoreTech, Coimbatore
6. Dr. Kith, Curtin University, Singapore



5-days International
Workshop
on

AI AND EDGE COMPUTING FOR SUSTAINABLE DEVELOPMENT

5th to 9th October 2026

Organized by
School of Electrical Engineering,
Vellore Institute of Technology,
Vellore-632014, Tamilnadu, India
and
Curtin University, Singapore



Vellore Institute of Technology (VIT)

VIT, Vellore was founded in 1984 as Vellore Engineering College by the Founder and Chancellor Dr. G. Viswanathan. University status was conferred in 2001 by MHRD Govt. of India in recognition of its excellence in academics, research and extracurricular initiatives.

VIT has emerged as one of the best institutes of India and is aspiring to become a global leader. Quality in teaching-learning, research and innovation makes VIT unique

- Engineering and Technology subject areas of VIT are the 240th best in the World and the 8th best in India, and eight subjects of VIT are within the top 500 in the world (as per QS World University Rankings by Subject 2026).
- The 8th best University, the 11th best research institution and the 11th best engineering institution in India (NIRF Ranking, Govt. of India 2026).
- Ranked among the top 691 Universities of the world (THE World University Ranking 2026).
- NAAC Accreditation with A++ grade (3.66 out of 4).
- The 173rd best Institution in Asia (QS - Asia University Rankings 2023).

About the School of Electrical Engineering

The School of Electrical Engineering (SELECT) offers B.Tech. in Electrical and Electronics Engineering, Electronics and Instrumentation Engineering, Electrical and Computer Science Engineering, M.Tech. in Power Electronics and Drives, Control and Automation, Ph.D. and Integrated Ph.D. in Engineering. The programmes are accredited by the Engineering Accreditation Commission of ABET and Institution of Engineering and Technology (IET), U.K. The school played a key role in securing a QS Subject Ranking in Electrical and Electronics Engineering between 201-250 globally and ranking 8th in India.



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Curtin University Singapore

Curtin University is an innovative, globally connected Australian university with a strong reputation for high-impact research, industry partnerships, and career-focused education. Curtin Singapore was established in 2008 and is located at The Alpha, Singapore Science Park 2, providing students with an industry-connected learning environment.



Curtin University has emerged as a globally recognised institution, offering students an international education with opportunities to study across its global campuses and develop practical, industry-relevant skills.

- Ranked 183 in the world in the QS World University Rankings 2026 and in the top 1% of universities worldwide in the Academic Ranking of World Universities (ARWU) 2025.
- Ranked 251–300 globally in the Times Higher Education World University Rankings 2026 and 33rd in the THE Young University Rankings 2024.
- Offers undergraduate and postgraduate programmes in Business, Communications, Information Technology and Health Sciences, with a strong focus on practical and industry-relevant learning.

About the event

Artificial Intelligence (AI) and Edge Computing support sustainable development. AI plays a key role in energy optimization, smart transportation and predictive maintenance of the systems which can reduce equipment failures and operational costs, further Energy-efficient buildings and intelligent electric vehicles can lower emissions.

Edge Computing reduces data transfer to centralized cloud servers. It enables faster decisions, lower latency, and improved reliability. AI-enabled edge devices can optimize energy use in real time. Their integration with IoT and renewable energy creates resilient infrastructure. These technologies support the UN Sustainable Development Goals and climate action.

CONTENT DELIVERY:

The following topics will be covered during the workshop, with emphasis on practical applications and current developments in the field.

- AI for Sustainable Energy technologies
- Agentic AI and Physics informed AI
- AI based Digital Twin for Sustainability
- Introduction to Edge computing
- Edge computing for realtime systems
- Hands on edge processors
- Embedded AI and edge AI
- Use cases