

ABOUT VIT

Vellore Institute of Technology (VIT) is a renowned private deemed university located in Vellore, Tamil Nadu, India. Established in 1984, VIT has grown into a leading institution known for its academic excellence, diverse programs, and focus on research and innovation. It offers a wide range of undergraduate, postgraduate, and doctoral programs in various fields, including engineering, management, science and humanities. In Engineering and Technology, VIT stands 142nd best in the World and the 9th best in India (as QS World University Ranking 2025). Also based on the same survey, eight subjects of VIT are within the top 500 in the world. It is ranked as the 10th best university and 13th best research institution. VIT is accredited with an 'A++' Grade by NAAC and has consistently been ranked among the top engineering and private universities in India by various ranking bodies. The institute emphasizes a holistic learning experience, combining rigorous academics with ample opportunities for extracurricular activities, research, and industry collaborations. VIT's sprawling campus provides a vibrant and conducive environment for students to learn, grow, and excel in their chosen fields. Hack-athon, Make-a-thon, Math-a-thon, Stat-a-thon as part of curriculum exercise which kindles the interest and the curiosity of students, which motivates them to be better problem solvers, last module in every subject being handled by the industrial experts, making the students contextualize the concepts they study in the classroom, are a few of the innovations that VIT has introduced in their learning system.

ABOUT CCE

VIT established Centre for Clean Environment (CCE) in 2022. CCE is a university-level research center that focuses on the development of innovative technologies and providing sustainable solutions for the environmental issues considering local, regional and global concerns by linking with government, industry, NGOs and leading academic partners through local and international research networks.

ABOUT THE PROGRAMME

This Faculty Development Programme will offer a balanced mix of expert lectures, hands-on workshops, and experimental demonstrations focusing on the integration of artificial intelligence and computational tools with environmental engineering. Key themes include water contamination, climate modelling, circular economy, and data-driven remediation strategies. Sessions will cover applications of machine learning and fractal modelling to real-world environmental challenges.

Interactive sessions on patent awareness, digital environmental tools, and sustainable innovations will further enrich the learning experience. The programme is designed to enhance both theoretical understanding and experimental skills, promoting sustainable and data-informed approaches to environmental problem-solving.

TOPICS TO BE COVERED

- Water, Wastewater, Solid Waste, and Air Quality Monitoring and Treatment Approaches
- Circular Economy in Environmental Engineering
- Waste-to-Energy Conversion Techniques
- Introduction to Artificial Intelligence (AI) and Machine Learning (ML)
- Fractal Modelling and Complexity Analysis

REGISTRATION FEE

Rs. 300 + 18% GST (Academicians/Scientists/ Industrialists/Govt. Officials)

Rs. 200 + 18% GST (UG/PG Students/Research Scholars)

Registration charges include registration kit and working lunch. The number of participants is limited to 60 on a first-come, first-served basis.

Last date for registration: **15.8.2025**

Last date for payment*: **10.9.2025**

*The payment link will be shared after completing the registration.

Shared bed accommodation may be provided on a payment basis.
Contact the coordinators for further details.



VIT[®]

Vellore Institute of Technology

(Deemed to be University under section 3 of UGC Act, 1956)

Vellore- 632 014, Tamil Nadu

CENTRE FOR CLEAN ENVIRONMENT



Thematic Area

Environmental Sustainability



ANRF-PAIR Funded

**Five-day FDP
On**

**“Experimental and Computational
Synergies in Environmental
Applications”**

8th - 12th September 2025

**Conducted For
Spoke Institutes**

Periyar University

Manonmaniam Sundaranar University

RESOURCE PERSONS

Dr. Anthony Halog
Adjunct Faculty, CCE, VIT Vellore
Lecturer, School of the Environment
The University of Queensland, Australia



Dr. E.K. Girija
Professor and Head, Department of Physics
Periyar University, Salem



Dr. Sunanda Saha
Assistant Professor
Centre for Clean Environment
VIT, Vellore



Dr. Monali Priyadarshini
Assistant Professor
Centre for Clean Environment
VIT, Vellore



Dr. G Annadurai
Professor, Environmental Science
Manonmaniam Sundaranar University
Tirunelveli



Dr. C. Kannan
Professor and Head, Department of
Chemistry
Manonmaniam Sundaranar University
Tirunelveli



Dr. Kumarasmay Murugesan
Professor & Head
Department of Environmental Science
Periyar University, Salem



Dr. Shantha Kumar S
Professor, Center for Clean Environment
VIT, Vellore



Dr. Srimuruganandam B
Professor and Director
Center for Clean Environment
VIT, Vellore



Dr. Tamas Panda
Assistant Professor
Center for Clean Environment,
VIT, Vellore



Dr. Gowrisankar A
Assistant Professor
Department of Mathematics,
VIT, Vellore



Vinay Ramanath
Principal Expert R&D
Siemens, Bengaluru



Dr. Vinu K. Valsala
Scientist G
Indian Institute of Tropical Meteorology
Pune



ORGANIZING COMMITTEE

HONORABLE PATRON

Dr. G. Viswanathan, Founder and Chancellor

CHIEF PATRONS

Shri. Sankar Viswanathan, Vice President

Dr. Sekar Viswanathan, Vice President

Dr. G. V. Selvam, Vice President

Dr. Sandhya Pentareddy, Executive Director

Ms. Kadhambari S. Viswanathan, Assistant Vice President

PATRONS

Dr. V. S. Kanchana Bhaaskaran, Vice Chancellor

Dr. Partha Sarathi Mallick, Pro-Vice Chancellor

Dr. T. Jayabarathi, Registrar

CONVENER

Dr. Srimuruganandam B,
Director, Centre for Clean Environment
VIT Vellore

COORDINATORS

Dr. Monali Priyadarshini
Assistant Professor
Centre for Clean Environment
VIT, Vellore
Email: monali.priyadarshini@vit.ac.in
Mobile: +91-7978167613

Dr. Sunanda Saha
Assistant Professor
Centre for Clean Environment
VIT, Vellore
Email: sunanda.saha@vit.ac.in
Mobile: +91-8971939565

TARGET GROUP INCLUDES

Faculty members from academic institutions/Research scholars/ UG/PG Students /Scientists/ Industrialists/Govt. Officials

REGISTRATION LINK



Targeted SDG goals

