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 OS 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, Stata-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.



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 Oueensland, Australia



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



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

Dr. Sunanda Saha

VIT, Vellore

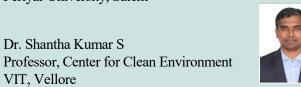
Assistant Professor

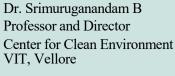


Dr. G Annadurai Professor, Environmental Science Manonmaniam Sundaranar University Tirunelveli



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





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



HONORABLE PATRON

Dr. G. Viswanathan, Founder and Chancellor

CHIEF PATRONS

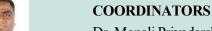
Shri. Sankar Viswanathan, Vice President Dr. Sekar Viswanathan, Vice President Dr. G. V. Selvam, Vice President Dr. Sandhya Pentareddy, Executive Director Ms. Kadhambari S. Viswanathan, Assistant Vice President

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



Dr. Monali Priyadarshini Assistant Professor

Centre for Clean Environment

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VIT, Vellore

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TARGET GROUP INCLUDES

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

Officials

REGISTRATION LINK



Targeted SDG goals

