



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

Vellore-632014, Tamil Nadu, India.  
**SCHOOL OF ADVANCED SCIENCES,  
DEPARTMENT OF MATHEMATICS.**

**ONE DAY VIRTUAL SEMINAR  
ON FOSTERING  
ARTIFICIAL INTELLIGENCE  
FROM FORMULAS TO FEATURES**

13<sup>th</sup> May 2026



**ABOUT THE INSTITUTION**

Vellore Institute of Technology was founded in 1984 in the name of Vellore Engineering College by the Chancellor Dr. G. Viswanathan. VIT attracts students from all the states of India and from more than 60 different countries due to its academic excellence. In recognition of its excellence in academics, research and extra-curricular initiatives, the University status was conferred in 2001 by Ministry of Human Resource Development (MHRD), Government of India. Currently, VIT has 5 campuses located in Vellore, Chennai, Amravati, Bhopal and Bengaluru. The National Institutional Ranking Framework (NIRF) has ranked VIT as 21st in Overall Category, 14th in Research Category, 16th in Engineering Category and 14th in University Category, announced by the Ministry of Education, Government of India for the year 2025. VIT has accreditation by NAAC (India), IET (UK) and ABET (USA), and follows a world-class academic process. VIT is the first University in India to get 4-Star Rating from QS - World University Rankings Organization. VIT has been ranked in 691st place by QS - World University Rankings, ranked among the top 501-600 institutions by Shanghai ARWU Ranking of World Universities, ranked as 173rd by Times Higher Education (THE) World Young University Rankings, and also ranked as 156th best institution in Asia by QS - Asia University Rankings.

**ABOUT THE SCHOOL**

The School of Advanced Sciences (SAS), which was established in the year 1984, comprises of Mathematics, Physics, and Chemistry departments. The vision of the School is to provide quality teaching and research, which would make an impact at a global level. The School consists of a total of 232 experienced and enthusiastic faculty members. The research activities,

publications and fruitful interactions with the industry are testimonials to the expertise of the faculty members in VIT. The School offers Masters Programs in Data Science, Business Statistics, Physics and Chemistry; Integrated Masters Programs in Mathematics, Data Science, Physics and Chemistry. The School offers Ph.D. programs in emerging research areas in Mathematics, Chemistry and Physics.

**ABOUT THE DEPARTMENT**

The Department of Mathematics at VIT was established in 1984. The department strives to be recognized for excellence among academic institutions in India and abroad. Currently, the Mathematics department has 136 faculty members who support the other engineering departments through teaching and also actively involved in academic research in different areas. The department offers Ph.D. programs in Mathematics, Statistics and Data Science in addition to M.Sc. (Data Science), M.Sc. (Business Statistics), Integrated M.Sc. (Mathematics) and Integrated M.Sc. (Data Science) programs. The department emphasizes on offering a comprehensive undergraduate, graduate, and research curriculum. The department focuses on research that is core of its field, promotes cutting-edge, original research, and strengthen our role as a hub for top-quality research in the world. We emphasis on higher education and mathematics research in emerging areas such as AI, ML and Data science. For this purpose, we will adopt flexible approaches for reorganization and establishment of new initiatives within the department. The Department of Mathematics, School of Advanced Sciences (SAS), Vellore Institute of Technology, Vellore has obtained QS world university subject ranking in "Mathematics" as 104th place (International) and 5th place (National). The department has been supported by DST-FIST, Government of India with the financial assistance of Rs. 2.71 Crores.

**ABOUT THE SEMINAR**

This Seminar offers an engaging and insightful platform for researchers, faculty, and students to explore the mathematical foundations that power modern artificial intelligence. In a rapidly advancing digital era, this seminar is designed to take participants on a focused journey from core mathematical concepts to real-world AI applications—all within a single day. Covering essential areas such as linear algebra, probability, statistics, calculus and optimization, the sessions will highlight how theoretical principles transform into intelligent features within AI systems. Through interactive discussions and concept-driven presentations, participants will gain a deeper, intuitive understanding of how mathematics drives innovation in AI. The seminar fosters interdisciplinary collaboration, encouraging the exchange of ideas across diverse academic backgrounds. By the end of the session, participants will be equipped with the confidence and clarity to analyse, apply, and contribute to AI development in research, teaching, and practice.

**INVITED SPEAKERS**

- Dr. S. Bose**  
Anna University, Chennai.
- Dr. C. Mirothali Chand**  
IIIT Kottayam, Kerala.
- Dr. P. Ragukumar**  
VIT, Vellore.

**ORGANIZING COMMITTEE**

**Honourable Patron**

- Dr. G. Viswanathan**  
Founder & Chancellor, VIT.

**Patrons**

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

**Co-Patrons**

- Dr. V. S. Kanchana Bhaaskaran**  
Vice Chancellor, VIT, Vellore.
- Dr. Partha Sharathi Mallick**  
Pro-Vice Chancellor, VIT, Vellore.
- Dr. T. Jayabarathi**  
Registrar, VIT, Vellore.

**Conveners**

- Dr. K. Karthikeyan**  
Dean, SAS, VIT, Vellore.
- Dr. D. Rajan Babu**  
Associate Dean, SAS, VIT, Vellore.
- Dr. Khadar Babu S K**  
HoD (Mathematics), SAS, VIT, Vellore.

**Faculty Co-Ordinators**

- Dr. Yogalakshmi T**      **Dr. Parthiban A**  
Department of Mathematics,  
SAS, VIT, Vellore.

**VIT – A PLACE TO LEARN;  
A CHANCE TO GROW**

**Registration fees : Rs.100/- (incl. GST)**

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

Registration link:

<https://forms.gle/jqUPSfZdu2fn8roQ9>

*Faculty, Research Scholars, UG & PG students may be expected to participate in the seminar. Registration is mandatory and the registered participants will be informed through the registered e-mail. Participation certificate will be provided digitally for all active participants. The virtual seminar will be conducted through the Microsoft Teams platform.*

**For further details contact:**

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