

## CHIEF PATRON

**Dr. G. Viswanathan**

Chancellor



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

## PATRONS

Mr. Sankar Viswanathan	Vice President
Dr. Sekar Viswanathan	Vice President
Dr. G. V. Selvam	Vice President
Dr. V.S. Kanchana Bhaaskaran	Vice Chancellor
Dr. Partha Sharathi Mallick	Pro Vice Chancellor
Dr. Jayabharathi T	Registrar

## REGISTRATION DETAILS

Participants are requested to register online by paying the required registration fees (non-refundable) using the link below.

**Registration Link:** <https://events.vit.ac.in/>

**Registration Fee: Rs. 100 + GST**

**Last Date for Registration** 15/03/2025

Course certificate will be awarded on successful completion of the workshop.

## Expert Lecture

Dr. B. Venkataramana, VIT, Vellore

Dr. K. Sathya Narayana Sharma, VIT, Vellore

## Hands on Session

Dr. M. Yamuna, VIT, Vellore

Dr. K. Karthika, VIT, Vellore



**One Day  
Workshop  
on**

## **R – PROGRAMMING A VIRTUAL EXPERIENCE**

**16<sup>th</sup>, March 2025**

VIT - A place to learn; A chance to grow

VIT – NAAC Accreditation with highest grade in the last 3 consecutive cycles, the 9<sup>th</sup> best University, 10<sup>th</sup> best University, 13<sup>th</sup> best research institution and 11<sup>th</sup> best engineering institution in India (NIRF Ranking, Govt. of India 2024)  
6<sup>th</sup> in India and 687<sup>th</sup> in the world (US News 2024)

**Organized by  
Department of Mathematics  
School of Advanced Sciences  
VIT, Vellore – 632014  
Tamil Nadu, India.**

## CHAIRMAN

Dr. K. Karthikeyan

Dean, School of Advanced Sciences.

## CONVENER

Dr. M S Jagadeesh Kumar

Head, Department of Mathematics.

## Organizing Secretaries

Dr. M. Yamuna

Dr. K. Karthika

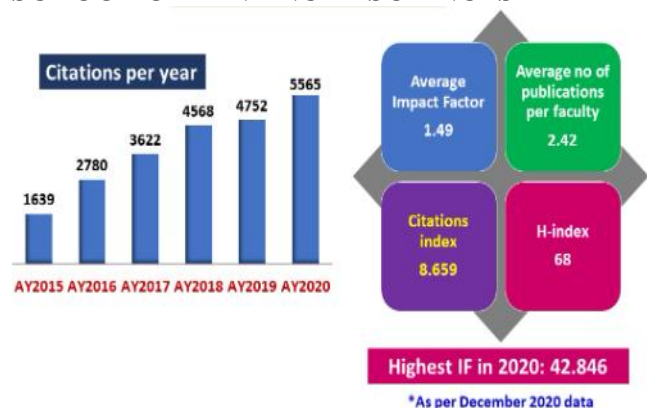
## ABOUT VIT

VIT was established under Section 3 of the University Grants Commission (UGC) Act, 1956 and was founded in 1984 as a self-financing institution called the Vellore Engineering College. The Union Ministry of Human Resources Development conferred University status on Vellore Engineering College in 2001, in recognition of its excellence in academics, research and extracurricular initiatives. The University is headed by its founder and Chancellor, Dr. G. Viswanathan, a former Parliamentarian and Minister in the Tamil Nadu Government. In recognition of his service to India in offering world class education, he was conferred an honorary doctorate by the West Virginia University, USA. Currently, VIT has 5 campus in Vellore, Chennai, Amravati, Bhopal and Bangalore. NIRF of the MHRD, Government of India, has ranked VIT 10<sup>th</sup> best in University, 13<sup>th</sup> best in Research, 11<sup>th</sup> best in Engineering, 19<sup>th</sup> best in Overall category in 2024. VIT has gone for accreditation by NAAC [India], IET [UK], and ABET [USA] and follows world class academic processes. VIT is one of the top 2 institutions of India and within the top 501-600 Universities of the world as per Shanghai ARWU Ranking 2024. VIT is also ranked by QS World University Ranking, Times Higher Education (THE) World University Ranking, US News Ranking, Round University Ranking, Russia and others. VIT is the first institute of India to receive QS

4-Star rating in overall category and QS 5-Star rating in teaching, employability, facilities, innovation and inclusiveness.



## SCHOOL OF ADVANCED SCIENCES



School of Advanced Sciences (SAS), which was established in the year 1984, comprises Mathematics, Physics, and Chemistry departments. The school consists of a total of 232 experienced and energetic faculties. The school has been receiving research grants from various funding agencies such as DST, CSIR, DRDO, NBHM, BRNS, IGCAR, AERBA, NRB and ARDB. The school has also been recognized by DST for support under the FIST programme. The school conducts various programmes such as InoVIT, SciGATHER, and National Science Day. The school offers University core and elective courses in Mathematics, Physics and Chemistry for all UG Programmes. The school offers M.Sc. programs in Chemistry, Physics and Mathematics. It also offers

core and elective courses for all PG Programmes. The school offers Ph.D. programs in frontier research areas.

## DEPARTMENT OF MATHEMATICS



The Department of Mathematics comprises 133 faculty members dedicated to fulfilling the needs of all the engineering departments. The faculty members of the department are specialized in frontier areas of mathematics such as Operations Research, Queuing Theory, Fuzzy Mathematics, Algebra, Analysis, Complex Analysis, Differential Equations, Fluid Dynamics, Graph Theory, Inventory Systems, Coding Theory, Mathematical Modeling, Numerical Methods, Mathematical Biology and others. Several research projects of the department are financially supported by some of the leading funding agencies such as CSIR, DRDO, DST and NBHM. The department offers Ph.D. programmes in Mathematics, Statistics and Data Science in addition to M.Sc. (Data Science), M.Sc. (Business Statistics), Integrated M.Sc. (Computational Statistics and Data Analytics) and Integrated M.Sc. (Mathematics) programmes. The department is also serving the requirements of the leading industries

through consultancy projects. The department of mathematics has a good record of frequently organizing seminars, workshops, symposiums and conferences in the recent emerging technical areas. VIT Mathematical Meet is conducted every year by the department, which is a south Indian level math and science contest for school children, to create and encourage mathematical and scientific innovations among the students.

## R – PROGRAMMING

In the current era of statistical computing and data analysis, the R Language is a particularly potent tool. Numerous packages and modules designed for data manipulation, statistical modelling and visualizations are widely embraced by statisticians, data scientists, and academics.

Installing and configuring software required for a statistical programming environment will be covered in this workshop. You will learn how to use R to program and produce outputs for the fundamental statistical topics. We think this will prompt young brains curiosity and lead to the creation of new R packages.

## CONTACT DETAILS

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