

About VIT

Vellore Institute of Technology(VIT) was founded in 1984 as Vellore Engineering College by the Chancellor Dr. G. Viswanathan. VIT attracts students from different states of India and countries because of its academic excellence. The credentials of VIT in academics and research, have placed 10th position among the research and 9th position in the university category in India by NIRF, Govt. of India. The world ranking body namely the QS has given 4 STAR rating to VIT, with that VIT becomes the first institution in India to have the 4 STAR rating. In addition to this, the consortium of industries, FICCI has adjudged VIT as the “Excellence in Faculty”. VIT has the record of publishing maximum number of SCOPUS Indexed Research Journal papers in 2018, among Indian Universities and also overtaking all the premier institutions. VIT has also completed 3 cycles of NAAC accreditation and has been rated as “A++” grade institution. VIT has introduced many innovations in academic processes which add value to every student. FFCS (Fully Flexible Credit System), PBL (Project Based Learning) for better learning, fully digitized academic portals that assist students in equipping themselves for 2020 market place. Hack-a-thon, 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.

VIT - A place to learn; A chance to grow

About SAS

The School of Advanced Sciences, VIT consists of Mathematics, Physics and Chemistry Departments. The school offers M.Sc., M.Phil. and Ph.D. programmes in all these disciplines. The School comprises qualified and research oriented faculty members whose expertise are in the frontier areas in sciences. Faculty members of SAS have received national and international recognized funded projects to the tune of 10 cores ongoing projects in SAS. Several research projects of the school are financially supported by some of the leading funding agencies such as NBHM, UGC, CSIR, DRDO, DST, DBT, and Others. In addition, they have published international research papers and filed patents. The curriculum keeps abreast of the latest advancements in the respective domains and endeavors to mould the students into job seekers. The students are placed in reputed companies in India and overseas.

About the Workshop

The workshop provides an introduction to the R programming language and is intended for beginning users and those who are looking for some emerging scientific topics. The course consists of interactive lectures with an appropriate sample R programming problems. Hands-on sessions to help the participants with the syntaxes and functions for use in programming. The tool helps at various stages in studying subject related to processing and analysis during regular subjects throughout courses. No prior programming experience or knowledge of R is assumed. Concepts covered include basics, scientific computing, machine learning and deep learning.



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

A Two Days Workshop on
**HANDS-ON TRAINING IN
ADVANCED R PROGRAMMING**

21-22 AUGUST 2023

Venue: Kamaraj Auditorium, TT, VIT-V

Organized by
Department of Mathematics,
School of Advanced Sciences (SAS),
Vellore Institute of Technology,
Vellore – 632 017.



**VIT - Recognized as an Institution of
Eminence (IoE) by the Government of India**

ORGANIZING COMMITTEE

Honourable Patron

Dr. G. Viswanathan,
Founder & Chancellor

Chief Patrons

Shri. Sankar Viswanathan,
Vice President

Dr. Sekar Viswanathan,
Vice President

Dr. G. V. Selvam,
Vice President

Patrons

Dr. Rambabu Kodali, Vice Chancellor

Dr. Partha Sarathi Mallick,
Pro-Vice Chancellor

Dr. T. Jayabharathi, Registrar

Chairman

Dr. N. Arunai Nambiraj, Dean, SAS

Convener

Dr. M. S. Jagadeesh Kumar,
HoD, Mathematics, SAS

Organizing Secretaries

Dr. S. Veeramani
Dr. M. Chandru
Dr. T. Praveen

Department of Mathematics, SAS

Resource Persons

Dr. B. Venkataramana
Dr. Rajesh Moharana
Dr. K. Sathya Narayana Sharma
Dr. P. Raghukumar
Dr. T. Praveen
Dr. S. Veeramani
Dr. M. Chandru
Department of Mathematics, VIT-Vellore

Topics to be covered :

- Introduction to R and R Studio
- R for basic mathematical concepts
- Plotting 2D and 3D graphs
- Performing statistics
- Power of Packages
- Data Analytics
- Statistical Modelling
- Machine Learning
- Deep Learning



<https://chat.whatsapp.com/JgiyEiukyaVK8d9EXv8n7X>
(WhatsApp Group)

Contact Details

❖ Dr. S. Veeramani

Email: veeramani.s@vit.ac.in

Mobile No.: +91-9677479267

❖ Dr. M. Chandru

E-mail: chandru.m@vit.ac.in

Mobile No.: +91-8870104309

❖ Dr. T. Praveen

Email: praveen.t@vit.ac.in

Mobile No.: +91-8667389282

Important Points:

1. Registration can be done through the Google form: <https://forms.office.com/r/fxa8EzK57T>
2. Selection will be made purely on First-Come-First-Serve basis
3. Maximum eighty (80) participants will be accommodated in the workshop.
4. The last date for registration is 18/08/2023 (5pm)
5. Intimation about selection will be sent by e-mail only latest on or before 19-08-2023.
6. Registration Fee: Not applicable
7. E-Certificate will be issued to all the participants.
8. Laptop with the R software be a necessary requirement.