

#### ABOUT THE VELLORE INSTITUTE OF TECHNOLOGY

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 completed 4 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 2025 marketplace. 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.

**ABOUT THE SCHOOL OF ADVANCED SCIENCES**  
School of Advanced Sciences, VIT consists of Mathematics, Physics and Chemistry Departments. The school offers M.Sc. 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 on-going 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.

#### ABOUT THE DEPARTMENT OF MATHEMATICS

The Department of Mathematics at VIT, Vellore, holds a prominent position in the academic landscape, earning a QS World Subject Ranking of 201-250 in 2025, and ranking 7th within India. Recently, the department secured funding for DST-FIST project, further enhancing its research capabilities. The faculty's areas of expertise span a wide spectrum, including algebra, analysis, differential equations, applied mathematics, optimization techniques, statistics, data science, theoretical physics, and computational sciences. 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.

#### ABOUT THE MATLAB

MATLAB (Matrix Laboratory) is a multi-paradigm numerical computing environment and proprietary programming language developed by Math Works. MATLAB allows matrix manipulations, plotting of functions and data, implementation of algorithms, creation of user interfaces, and interfacing with programs written in other languages, including C, C++, Java, Fortran and Python. MATLAB has more than 3 million users worldwide.



### Value Added Program on VAC2401- Hands on Training on MATLAB software

5th, 6th, 7th, 13th, 14th  
September 2025

Organized by

DEPARTMENT OF MATHEMATICS  
SCHOOL OF ADVANCED SCIENCES  
VELLORE INSTITUTE OF TECHNOLOGY  
VELLORE – 632014

Coordinators  
Dr. D.Anuradha  
Dr. K.Kavitha



### Topics to be covered

- ✓ Basics of MATLAB
- ✓ Plotting of graphs
- ✓ Matrices and Array operations
- ✓ MATLAB Loops
- ✓ Differentiation and Integration
- ✓ Introduction to programming in MATLAB
- ✓ Real life applications of MATLAB programming

### 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

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. Jayabharathi, Registrar

#### Chairman

Dr. K. Karthikeyan, Dean, SAS

#### Convener

Dr. Khadar Babu SK,  
HoD, Mathematics, SAS

### RESOURCE PERSONS:

1. Dr. D.ANURADHA  
SAS, VIT, Vellore

2. Dr. K. KAVITHA  
SAS, VIT, Vellore

Use this Registration link to register and pay the programme registration fee

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

### IMPORTANT DATES

Last Date for Registration: 4th September 2025

Programme Dates: 5th, 6th, 7th, 13th, 14th  
September 2025.

### IMPORTANT POINTS

- ✓ Maximum 50 participants will be accommodated in the program based on First-Come-First-Serve basis.
- ✓ The registrations will be closed as soon as maximum participation occupancy is reached.
- ✓ Detailed program schedule will be sent on registered e-mails on or before 5<sup>th</sup> September, 2025.
- ✓ Registration fee amount: Rs.200/- (included GST)
- ✓ E-Certificates will be issued to all the participants with 100% attendance

### TARGET AUDIENCE

Any student of VIT other than B.Tech Programmes. Research Scholars may also attend.

### CONTACT DETAILS

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