ABOUT THE WORKSHOP

LaTeX, which is pronounced «Lah-tech» or «Lay-tech» is a document preparation system for high-quality typesetting. It is most often used for medium-to-large technical or scientific documents but it can be used for almost any form of publishing.

LaTeX encourages authors not to worry too much about the appearance of their documents but to concentrate on getting the right content. To produce a document in regular word processing systems, the author would have to decide the layout, font-size, font-type etc, which would be time consuming and the result would be badly designed documents. Whereas in LaTeX the author would leave the designing to document designers, and concentrate on the content of the document.

TOPICS TO BE COVERED

- Typesetting journal articles, technical reports, books and slide presentation.
- Control over large documents containing sectioning, cross-references, tables and figures.
- Typesetting of complex mathematical formulas.
- Advanced typesetting of mathematics with AMS-LaTeX.
- Automatic generation of bibliographies and indexes.

ELIGIBILITY CRITERIA

Participation in this workshop is open to the research scholars and faculty members of science and Engineering streams. It is also open to the Mathematicians, Scientists and Engineers who are working in the R&D organizations, industry and who wish to gain a basic understanding of the concepts involved.

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

Three Days Hands-on Workshop On Technical Writing LATEX

July 19-21, 2023

Organized by

**Department of Mathematics
School of Advanced Sciences
VIT, Vellore - 632014
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ABOUT VIT

Vellore Institute of Technology (VIT) was established in 1984 as Vellore Engineering College by the well- known educationalist and former parliamentarian, honorable Dr. G. Viswanathan, the Founder and Chancellor, a visionary legend who transformed VIT into a Centre of excellence in higher technical education. VIT attracts students from all the **29 states of India and more than 41 different countries** because of its academic excellence. VIT has made a mark in the field of higher education in India imparting quality education in a multi-cultural ambience, intertwined with extensive application-oriented research. It persistently seeks and adopts innovative methods to improve the qualityof education in all fields of science and technology, so it bagged 240th best in the World and the 9th best in India. In Engineering andTechnology, VIT (as QS World University Ranking 2023). Also based on the same survey, Eight subjects of VIT are within the top 500 in the world. It is ranked the 9th best university and 10th best research institution and the 12th best engineering institution in India (NIRF ranking,Govt. of India 2022). It is ranked within the top 200 universities in Asia (QS – Asia University rankings 2022) and has got A++ in the 4th cycle of NAAC accreditation.

ABOUT THE SCHOOL

The School of Advanced Sciences (SAS) includes Mathematics, Physics and Chemistry disciplines. The School offers M.Sc., M.Phil. and Ph.D programs in these domains. School of advanced sciences (SAS), a platform for intellectuals in VIT, is pledged to internationally acclaimed research and inventive instruction with a priority on disciplinary rigor and establishing academic achievement. 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 will be conducting various programmes such as InoVIT, SciGATHER and VIT Mathematical Meet, which are South India level math and science contests for school children to create and encourage mathematical and scientific innovations among the students. The Department of Mathematics has a good record of organizing seminars, workshops, symposium and conferences (NCPAM, ISTAM) in the recent emerging technical areas.

ABOUT THE DEPARTMENT

Mathematics is an essential component of all engineering disciplines. It stands at the top 11 in India and top 351-400 in the world as per QS World University Rankings by Subject 2023. Our department comprises 133faculty members who support the other engineering departments through teaching and are also actively involved in academic research in different areas of Mathematics such as Algebra, Theoretical and Computational Fluid Dynamics, Mathematical modeling, Complex Analysis, Geometric Function Theory, Graph Theory, Stochastic Processes and Queuing Theory, Coding Theory and Theory of Computation, Fuzzy Logics, Fluid dynamics, Optimal Control Problems and Numerical Methods. Currently, the department is offering Masters Programs in Data Science, Business Statistics, Integrated M.Sc. Computational Statistics and Data Analytics, Integrated M.Sc. Mathematics and PhD with a plethora of field expertise. Several departmental research projects are financially supported by the leading funding agencies such as CSIR, DRDO, DST,NBHM and MHRD. The department is also serving the requirements of the leading industries through consultancy projects.

REGISTRATION

Registration fee: **Rs. 500.**

Registration link: https://events.vit.ac.in/

Registration is limited to 100 participants only, on first come first serve basis.