



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

School of Electrical Engineering

Presents

*a Three-days Hands-on Workshop
on*

Latex Essentials for Technical Writing



Co-ordinators

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Dr. M Praveen Kumar

School of Electrical Engineering
Vellore Institute of Technology,
Vellore-632014.

Dates: 18-20 August 2025

ABOUT THE WORKSHOP

Latex, which is a high quality typesetting software, is extensively used for preparing technical and scientific articles. Though Latex has a learning curve, compared to other word processors, it offers several benefits such as typesetting journal articles, reports and books with professional quality, control over large documents that contain sections, figures and tables. Hence, the objective of this workshop is to introduce the participants to the basics of Latex typesetting system and teach how to prepare journal articles using the Latex template.

Contents:

1. Latex Installation
2. Basic document creation
 - a. Preparing basic document
 - b. Changing the class – article, report
 - c. Sectioning
 - d. Chapters
3. Text Formatting
 - a. Lists
 - b. Special characters
 - c. Foot note
 - d. Tables
4. Math mode and graphics
 - a. Mathematical equations
 - b. Equation numbering
 - c. Greek letters
 - d. Working with image
 - e. Cross-referencing
5. Referencing
 - a. Bibliography and citation
6. Journal articles
 - a. Preparing research papers using IEEE/LNCS/CTAN styles
7. Presentations in Latex
 - a. Brief introduction to beamer
 - b. Presentation using beamer class

ABOUT VIT

VIT was established with the aim of providing quality higher education on par with international standards. It persistently seeks and adopts innovative methods to improve the quality of higher education on a consistent basis. The campus has a cosmopolitan atmosphere with students from all corners of the globe. Experienced and learned teachers are strongly encouraged to nurture the students. The global standards set at VIT in the field of teaching and research spur us on in our relentless pursuit of excellence. In fact, it has become a way of life for us. The highly motivated youngsters on the campus are a constant source of pride. Our Memoranda of Understanding with various international universities are our major strength. They provide for an exchange of students and faculty and encourage joint research projects for the mutual benefit of these universities. Many of our students, who pursue their research projects in foreign universities, bring high quality to their work and esteem to India and have done us proud. With steady steps, we continue our march forward.

ABOUT THE SCHOOL OF ELECTRICAL ENGINEERING

The School of Electrical Engineering (SELECT) has over 98 faculty members who pursued their UG, PG and Doctoral degrees from top-notch universities. The school offers B.Tech. (Electrical and Electronics Engineering), B.Tech. (Electronics and Instrumentation Engineering), M.Tech. (Power Electronics and Drives), M. Tech. (Control and Automation), Ph.D and Integrated Ph.D in Engineering. Both B.Tech. and M.Tech. programmes attract the Intelligent students from the country and abroad. The B.Tech. Electrical and Electronics Engineering and B.Tech. Electronics and Instrumentation Engineering Programmes are accredited by the Engineering Accreditation Commission of ABET. All UG & PG programmes of

the school are accredited by the Institution of Engineering and Technology (IET), U.K. The School has state-of-the art laboratories in almost all the areas of Electrical, Electronics and Instrumentation Engineering. SELECT has industry sponsored advanced laboratories for performing world class research and consultancy. Danfoss Advance Drives Lab, Schneider Electric Smart Energy Monitoring Lab, Fluke Testing and Calibration Lab, Q-Max Automated Test Engineering Lab (Alumni Sponsored Lab) and NxP Semiconductors, India, have established Centre of Excellence for students R&D activities under the guidance of faculty members and industry experts.

Resource Persons



Dr. Vinodh Kumar E
SELECT, VIT



Dr. Jitendra Kumar Goyal
SELECT, VIT



Dr. M Praveenkumar
SELECT, VIT



Dr. Maddela Chinna Obaiah
SELECT, VIT

REGISTRATION

Registration fee : Rs.800/- (Including GST)

Prospective participants are requested to register for the workshop through the following web link.

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

Maximum 50 participants will be accommodated in the workshop. Hence, the preference will be given based on first come first serve basis.

WHO CAN APPLY?

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

CONTACT DETAILS

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