

2-Day Faculty Development Programme

On

LaTeX for Mathematics and Research Documentation



LaTeX (pronounced lay-tech) is a document preparation system for producing high-quality output, based on Don Knuth's revolutionary TeX typesetting program.

More powerful than a word processor or desktop publishing system, **LaTeX** has a host of unique features which can dramatically cut time and cost for any publishing project, especially for long or complex documents. Its secret is programmability: hundreds of prewritten templates (packages) to handle almost any formatting task — or one can define your own with the underlying style language. A pattern has to be defined once, and all further occurrences then follow that style, giving it unrivalled consistency: the key to professional-looking output.

LaTeX is the go-to typesetting tool for research publications. Many technical conferences and journals accept only LaTeX based manuscripts.

The purpose of the workshop is to acquaint participants with the **LaTeX** environment, introduce methods (with a hands-on approach) to create typesetting for mathematics, research and other documentation such as conference papers, journal papers, thesis, presentations, notes, book chapters etc.

Course Content

Mathematics

Mathematical expressions, Subscripts and superscripts, Brackets and Parentheses, Fractions and Binomials, Aligning Equations, Operators, Spacing in math mode, Integrals, sums and limits, Display style in math mode, List of Greek letters and math symbols, Mathematical fonts, Theorems and proofs.

Document Structure (Research documentation / Book Chapters)

Packages and class files, Conference / Journal templates, Sections and chapters, Headers and footers, Document sizes and margins, Fonts and sizes, Presentation (Beamer), Tables and figures.

FDP dates: **January 10 – 11, 2020**

FDP fees: **INR 1200** (Includes working lunch, tea and snacks for both days)

Course conducted by: **Dr. Toral Shah (PhD, IIT Bombay)**
Assistant Professor, Dept. of Computer Science,
SVKM's NMIMS School of Technology Management and Engineering

Venue: **STME, NMIMS Navi Mumbai Campus, Pethpada, Sector 33, Kharghar**

<i>Co-ordinators:</i>	<u>Dr. Jyoti Verma</u>	jyoti.verma@nmims.edu	+91 99203 50521
	<u>Dr. Toral Shah</u>	toral.shah@nmims.edu	+91 88795 82871
	Ms. Variza Negi	Variza.Negi@nmims.edu	+91 79777 84745

Last Date for Registration: **December 30, 2019**

Limited seats. Registration is on first come first serve basis.

Registration link:

https://docs.google.com/forms/d/e/1FAIpQLScp0sz1u_kaPaMIQz3U5WtTfBDvRqwRm2IZcgOrarhwGmTS7w/viewform

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