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IITBombayX: LaTeX for Students, Engineers, and Scientists

Explore a new way of writing and typesetting articles, books, papers, etc. using a document preparation system called LaTeX.



7 weeks
3-4 hours per week

Self-paced
Progress at your own speed

This course is archived

[View course materials](#)

I would like to receive email from IITBombayX and learn about other offerings related to LaTeX for Students, Engineers, and Scientists

What you'll learn

About this course

LaTeX, a document preparation system, is widely used for publishing in many scientific fields like mathematics, statistics, computer science, engineering, chemistry, physics, economics, linguistics, etc.. It is a powerful and open-source system that

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At a glance

- **Institution:** IITBombayX
- **Subject:** Engineering
- **Level:** Introductory
- **Prerequisites:**
There are no prerequisites for this course, except knowledge of the computer that you want to use to create documents using LaTeX.
- **Language:** English

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PRINCIPAL
G. Narayana Murthy, Institute of
Engineering and Technology
(AUTONOMOUS)
Shaikpet, Hyderabad - 500 104

Hi there! I'm Xpert, an AI-powered assistant from edX who can help you find what you're looking for.

XPERT

- **Video Transcript:** English
- **Associated skills:** Computer Science, Automation, Page Layout, Writing, Aesthetics, Typesetting, Statistics, Linguistics, Physics, WYSIWYG, Document Preparations, Presentations, Economics, Chemical Engineering, Plain Text

What you'll learn

- Handle different types of documents
- Organize documents into different sections, subsections, etc..
- Formatting pages (margins, header, footer, orientation)
- Formatting text
- Write complex mathematical formulae

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Syllabus

Topic 1: Introduction

This topic introduces the learner to LaTeX, its installation, and different IDEs. The learner creates the first document using LaTeX, organizes content into sections using article and book class of LaTeX.

[Topic 2: Getting Started](#)

[Show more](#)

About the instructors



Deepak B. Phatak

Professor Emeritus, Department of
Computer Science and Engineering •
IIT Bombay.



Firuza Karmali (Aibara)

Project Manager, Department of
Computer Science and Engineering •
IIT Bombay.

A handwritten signature in blue ink, appearing to be 'K. Narayana'.

PRINCIPAL
G. Narayana Institute of
Technology & Science (for women)
(AUTONOMOUS)
Shaikpet, Hyderabad - 500 104



G.NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE (For Women)
(AUTONOMOUS)
Shaikpet, Hyderabad – 500104

Department of Humanities and Mathematics

2019-2020

REPORT

FDP on “ LaTeX101x Online Course "LaTeX for Students, Engineers and Scientists"e”

Date of program: 24-09-2019 to 02-12-2019

Resource person: Prof (Retired) Deepak B. Phatak, Dept. of CSE, IIT Bombay

Firuz Karmali, Project Manager, Dept. of CSE, IIT Bombay

Nagesh Karmali, Sr. Manager (Research), Dept. of CSE, IIT Bombay

About the Program: LaTeX, a document preparation system, is widely used for publishing in many scientific fields like mathematics, statistics, computer science, engineering, chemistry, physics, economics, linguistics, etc.. It is a powerful and open-source system that provides numerous facilities for automanumbering typesetting of the document: i.e. structuring page layout, listing and auto-numbering of sections, tables, figures, generating a table of contents, managing cross-referencing, citing, and indexing. Unlike other WYSIWYG editors, the content is written in plain text along with appropriate commands, thus, allowing the user to concentrate on the content rather than the aesthetics (the way it looks). The TeX type setting program which LaTeX uses, was designed such that anyone can create good quality material with less efforts. This course introduces the basic concepts of LaTeX. Participants taking this course will be able to create and design documents in LaTeX and

After completion of the course we learnt to handle different type of documents organize documents, formatting text, content. The sessions are containing some videos and lecture materials, graded quizzes, This faculty development program (FDP) is devoted to addressing the need to enhance the knowledge about the latest technologies pertaining to Statistics and data analysis through Hands-on Experience.

Omletta
Signature of the Faculty member

[Signature]
PRINCIPAL
G Narayanamma Institute of
Technology & Science (for woman)
(AUTONOMOUS)
Shaikpet, Hyderabad - 500 104