



Shivaji College
University of Delhi
(Accredited with grade
"A" by NAAC)



Add-On Certificate Course
on

**"LATEX FOR ACADEMIC
WRITING"**

**March 2024 - April 2024
(Online Mode)**

Organized by Department of
Physics



ABOUT COLLEGE



Shivaji College is a premier institution in West Delhi accredited with grade 'A' by NACC . It was ranked as one of the top 10 science colleges in the country in a survey conducted by India Today in 2017. Shivaji College functions under the trusteeship of the Government of Delhi. It was established in 1961 by the Honourable Dr. Panjabrao Deshmukh. Shivaji College is a Co-educational constituent college of the University of Delhi with 4099 students consisting of 16 departments offering 26 undergraduate courses and 3 postgraduate courses. The faculty comprises of 163 teaching and 109 non - teaching members . The college was ranked 35th among the science colleges , 28th in Commerce and 42nd in humanities by India Today in 2022 . The college has been ranked 78 by NIRF 2022 and 31 by Outlook India. The Motto of Shivaji college : 'Amritam tu vidya' (Knowledge is Eternal) highlights our mission.

ABOUT DEPARTMENT

The Department of Physics at our institution is characterized by an inspiring faculty, creative students, and accomplished alumni. We firmly believe that while desire serves as the key to motivation, it is determination and unwavering commitment to excellence that lead to success. Our faculty is dedicated to achieving excellence in both teaching and research. The primary goal of the department is to deliver high-quality education in physics.

PATRON

Prof . Virender Bhardwaj
Principal
Shivaji College

Convenor (Add-On Course)

Ms. Anshu Chopra
Associate Professor
Dept. of Economics

Co-Convenor (Add-On Course)

Ms. Preeti Sharma
Associate Professor
Dept. of Computer Science

Convenor

Dr. Neeti Goel
Assistant Professor
Dept. of physics

Coordinator

Ms . Neetu Verma
Assistant Professor
Dept. of physics

Who can attend ?

• **Open for students of all courses of
Shivaji College**

Participants are advised to keep their
laptops/phone for hands on practice
during sessions

Program Objective

This workshop aims to provide a comprehensive theoretical and hands on practice with LaTeX for preparing research articles, thesis writing and oral presentation. It will be useful for beginners and also who are using it on a regular basis.

Course content

Unit 1: Introduction

Creating a document in Overleaf, Uploading a project, Copying a project, Creating a project from a template Using the Overleaf project menu, Including images in Overleaf, Exporting your work from Overleaf, Working offline in Overleaf, Debugging Compilation timeout errors.

Unit 2: Basic Concepts for writing in LaTeX

Creating your first LaTeX document, Choosing a LaTeX Compiler, Paragraphs and new lines, Bold, Italics and Underlining, Colors to a block of text, Lists, Figures and tables: Inserting Images, Tables, Positioning Images and Tables, Lists of Tables and Figures, Adding references and citations.

Unit 3: Mathematics

Mathematical expressions, Subscripts and Superscripts, Brackets and Parentheses, Matrices, Fractions, Binomials, Integrals and Vectors, Aligning equations, Operators, Spacing in math mode, limits, Display, List of Greek letters and math symbols, Mathematical fonts, Using the Symbol Palette in Overleaf.

Why LaTeX ?

LaTeX is a high-quality typesetting system which is widely used for document preparation in academics. Nowadays, LaTeX is used not only to write documents in mathematics but also physics, computer science, engineering, economics, psychology, social and political sciences. LaTeX is preferably used for technical/scientific papers writing for journals by researchers, engineers and mathematicians at large.. In contrast to Microsoft Word, LaTeX can handle large documents very easily.

Some useful features of LATEX are :-

- Typesetting of journal articles, technical reports, thesis, books, and slide presentations.
- Simpler to handle large documents containing sections, cross-references, tables, mathematical equations, footnotes and figures.
- Typesetting of complex mathematical formulae.
- Automatic generation of table of contents, bibliographies and index.

**Last Date of Registration: 7th
March 2024**

**Date of Commencement: 9th
March 2024**

**The certificate of participation
will be issued based on
attendance and assignment.**

**Limited seats are available, book
your seat now**

Registration link:

[Click for the Registration](#)



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