



ST. FRANCIS DE SALES COLLEGE

A FRANSALIAN INSTITUTE OF HIGHER EDUCATION **AUTONOMOUS**

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School of Science

Department of Physical Science and Mathematics

“Hands-On LaTeX: Practical Experiments and Analyses in the Lab”

Title	"Hands-On LaTeX: Practical Experiments and Analyses in the Lab”
Date of Event	29 th July 2024
Department/Association	Department of Physical Science and Mathematics
Venue	Mathematics Lab
Number of participants	19
Target Audience	PG students 2 nd and 4 th sem students
Place of visit/ details of Industrial Visit place (if applicable):	NA
Event Coordinator	Prof. Roopa J
Resource Person & details	NA

REPORT:

The workshop aimed to provide practical experience in using LaTeX for document preparation, focusing on scientific and technical writing. Explained in detail about

1: Introduction to LaTeX

- Overview of LaTeX and its advantages over traditional word processors.
- Installation and setup guide.
- Basic document structure and syntax.

2: Creating Documents

- Formatting text, paragraphs, and sections.
- Adding tables, figures, and references.
- Working with different document classes (articles, reports, etc.).

3: Advanced Features

- Using packages for enhanced functionality.
- Typesetting mathematical equations and symbols.
- Customizing document layout and styles.

4: Practical Exercises

- Hands-on exercises to reinforce learning.
- Participants created sample documents based on provided templates.
- Group activities to encourage collaboration and problem-solving.

Learning Outcome:

- Participants gained a solid understanding of LaTeX fundamentals and its applications.
- Practical skills in LaTeX coding, document formatting, and the use of various LaTeX packages.

Report Prepared by: Roopa J (Department of Physical Science & Mathematics)



(Event Coordinator)

Roopa J



Report Verified by:

(HOD)

Report Approved by:



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Attachments:

S. NO	Document	Format	Print/Drive
1	Brochure of the event	PDF	Drive
2	Circular of the event (Notifications from LT)	PDF	-
3	Geo-tagged photos/Screen Shots (Save as separate photos in IQAC drive)		Drive
4	Attendance sheet with signature of the attendees (offline)/Consolidated Excel sheet of the registration and feedback forms (Online)	PDF / Excel Sheet	Print & Drive
5	Copy of the Certificate issued	PDF	-
6	Invitation and acceptance letter (or mail) of the Chief guest	PDF	-
7	Proof for honorarium given to the guest (Cheque or online payment details)	PDF	-
8	Registration details	PDF	-
9	Profile of the Resource Person	PDF	-

Dept. IQAC Coordinator

IQAC Coordinator