



# 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”

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