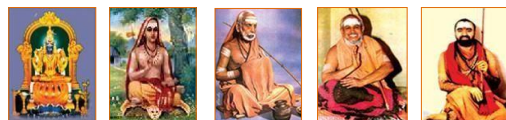


With the blessings of Their Holinesses



**SRICHANDRASEKHARENDRASARASWATHI  
VISWA MAHAVIDYALAYA  
SCSVMV**

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**DEPARTMENT OF ELECTRONICS AND  
INSTRUMENTATION ENGINEERING**



**Faculty Development Program (FDP)**

**on**

**"Writing Research Articles using  
LaTeX Overleaf,"**

**9th to 13th September 2024**

**REPORT**

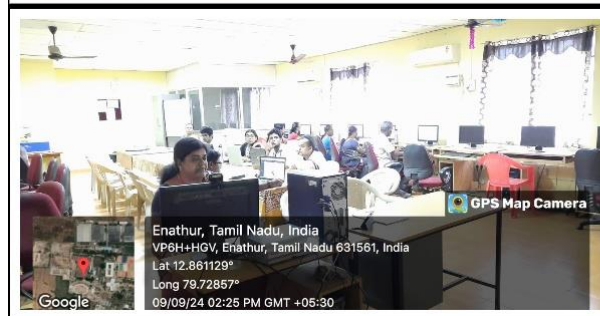
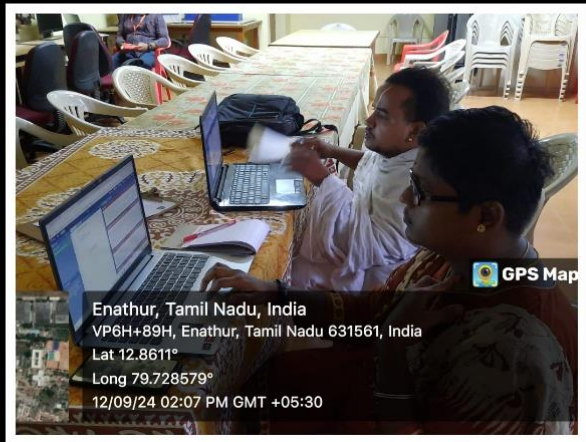
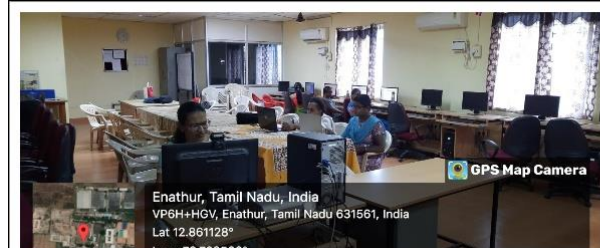
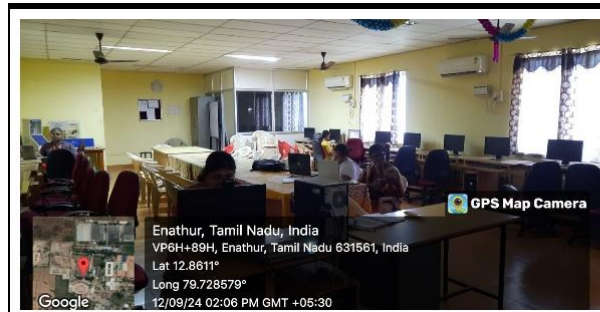


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### A detailed report on FDP scheduled on 9<sup>th</sup> Sept. to 13<sup>th</sup> Sept 2024

A five-day program on "Writing Research Article using LaTeX Overleaf" was successfully conducted from 9th September 2024 to 13th September 2024. The primary goal of the workshop was to introduce participants to LaTeX, a powerful tool for writing structured academic and technical documents, particularly research articles. The workshop aimed to provide hands-on experience in creating well-formatted documents using Overleaf, a web-based LaTeX editor.



### Program Overview

The program was designed to systematically guide the participants through various essential LaTeX features, progressively building their skills over the course of five days. The topics covered during the program were:

#### 1. Day 1 - 09/09/2024: Introduction

Topics covered:

- Creating the first LaTeX document.
- Understanding section levels (sections, subsections, etc.).
- Generating a Table of Contents (ToC).



Participants were introduced to the LaTeX environment and taught how to create a basic document. The session focused on structuring documents and creating automatic tables of content, a fundamental aspect of research writing. The number of participants through Youtube Live Streaming – 176

### **2. Day 2 - 10/09/2024: Styling Pages**

Topics covered:

- Formatting page layouts (margins, page breaks, headers/footers).
- Working with multicolumn documents.

The second session emphasized formatting the overall layout of the document, including adjusting page settings. Participants were also introduced to multicolumn document creation, an essential skill for journal articles. The number of participants through YouTube Live Streaming - 130

### **3. Day 3 - 11/09/2024: Formatting Content**

Topics covered:

- Text alignment (left, right, center, justify).
- Creating and managing bulleted and numbered lists.

On the third day, participants learned to format content more effectively, improving the visual hierarchy of their documents by using different alignment styles and structuring lists using bullets and numbers. The number of participants through YouTube Live Streaming - 164

### **4. Day 4 - 12/09/2024: Mathematics**

Topics covered:

- Writing mathematical equations.
- Creating tables and inserting figures.

This session was especially important for participants in technical and scientific fields. The resource persons demonstrated how to write complex mathematical equations using LaTeX's powerful equation editor. Additionally, participants were guided through the process of inserting and formatting tables and figures, and labeling them for cross-referencing. The number of participants through YouTube Live Streaming – 175

### **5. Day 5 - 13/09/2024: Referencing**

Topics covered:

- Creating and managing a bibliography using BibTeX.
- Indexing the document.



The final day of the workshop focused on referencing techniques. Participants were trained to manage citations and bibliographies efficiently using LaTeX. The session also covered how to generate an index automatically, an essential feature for organizing larger documents such as research theses. The number of participants through YouTube Live Streaming – 173

### **Program Outcome**

The workshop was highly successful, with active participation from faculty members, research scholars, and students from various departments. By the end of the five days, participants were able to:

1. Create well-structured LaTeX documents.
2. Format pages and content professionally, including the use of multicolumn layouts
3. Write complex mathematical equations and handle tables and figures.
4. Generate automatic tables of contents, indexes, and bibliographies.
5. Use BibTeX for citation management and referencing.

The workshop provided valuable insights into using LaTeX and Overleaf for writing high-quality research articles. Feedback from the participants was overwhelmingly positive, with many expressing appreciation for the practical nature of the sessions.

The "Writing Research Article using LaTeX Overleaf" workshop was a well-structured and impactful program that provided participants with the necessary skills to write and format academic and research documents using LaTeX. The knowledge and practical experience gained from the sessions will significantly benefit researchers, faculty, and students in producing professionally formatted research outputs. Overall 320 faculty members (both online and offline) across the nation participated in this workshop

The resource persons, Dr. Janani R and Dr. K. Bharathi, along with the programme convenor and coordinators, played a pivotal role in the success of the program. The university acknowledges their contribution and looks forward to organizing similar workshops (offline mode) in the future to enhance the technical capabilities of its academic community.

### **Programme Convenor:**

**Dr. T. LAKSHMIBAI**  
**HOD/EIE**

### **Programme Coordinators:**

**Dr. K. Saraswathi**  
**Dr. T. Sundar**

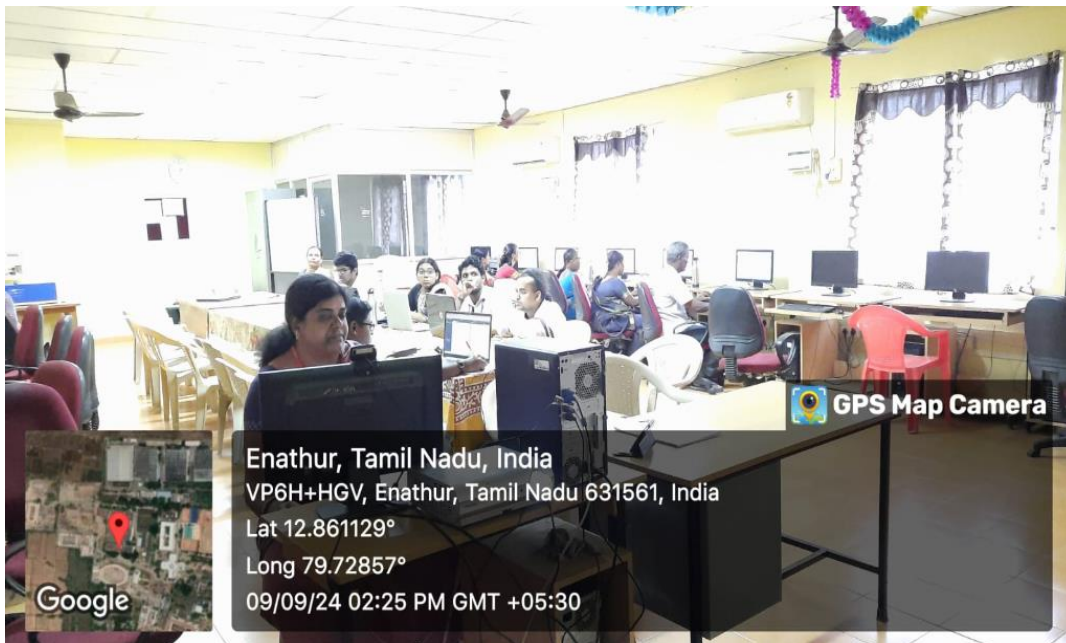
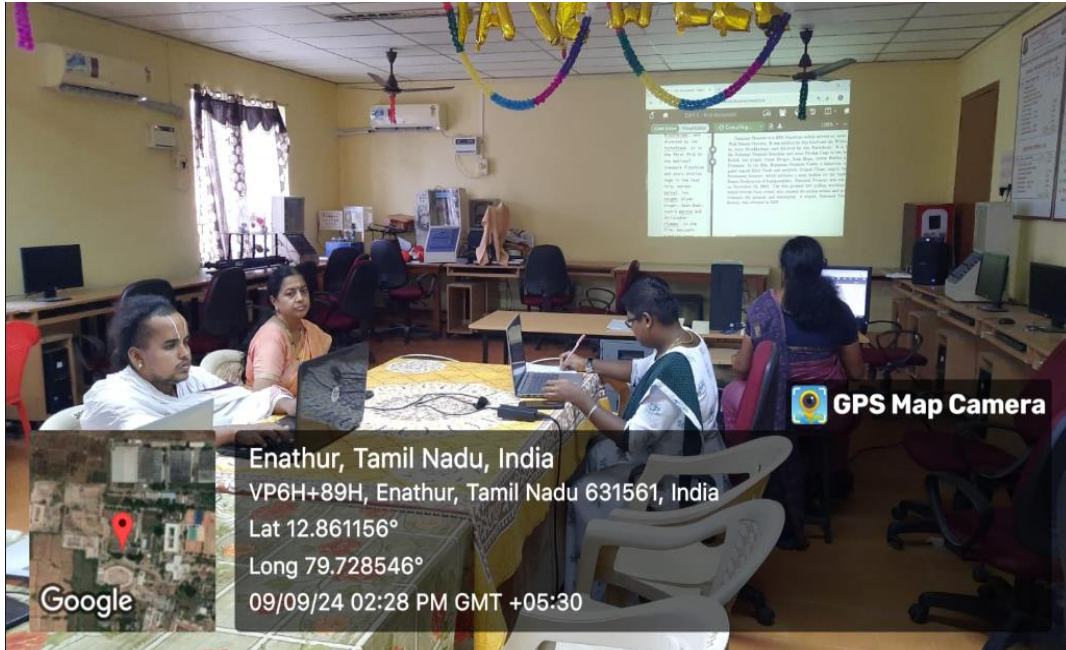


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### FDP - PHOTO

Day – 1 (09/09/2024)

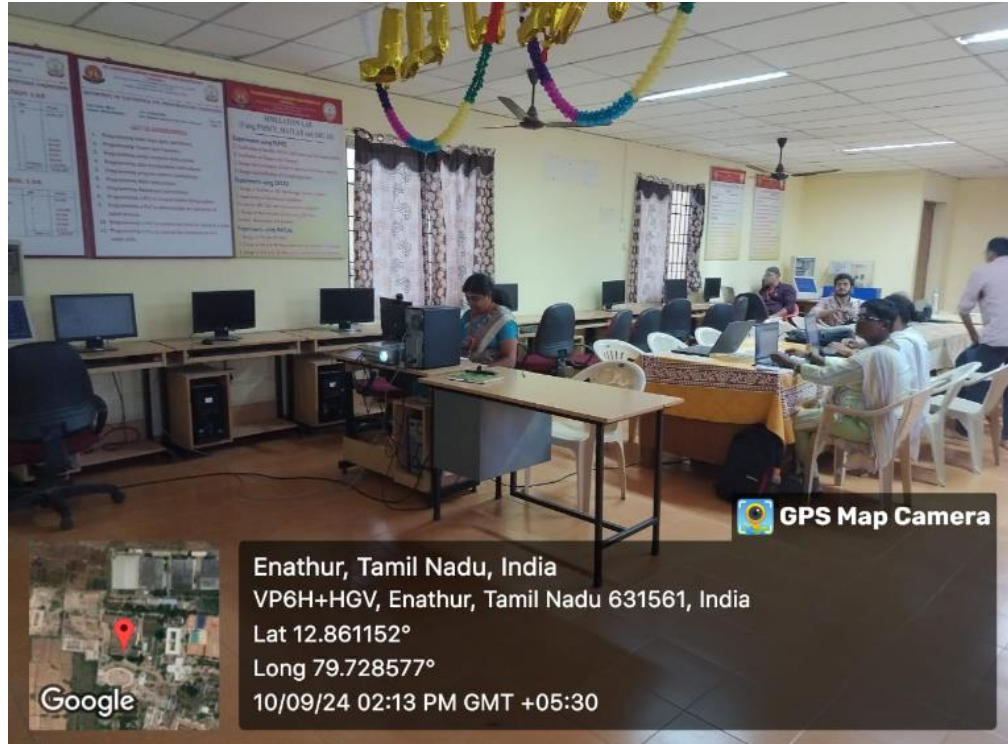




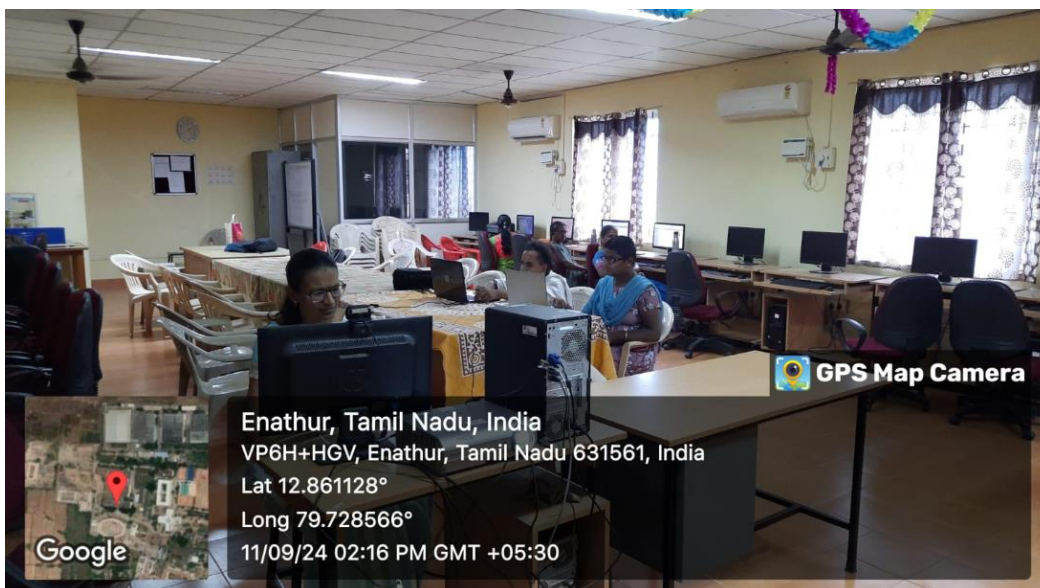
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Day – 2 (10/09/2024)



Day – 3 (11/09/2024)

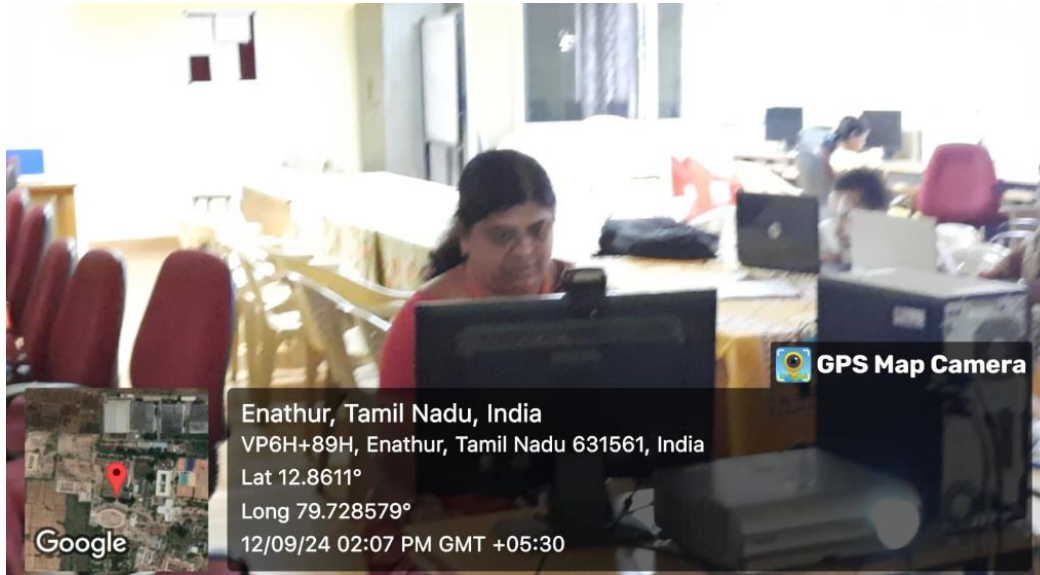




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Day – 4 (12/09/2024)



Day – 5 (13/09/2024)





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DEPARTMENT OF  
ELECTRONICS & INSTRUMENTATION ENGINEERING

## WRITING RESEARCH ARTICLE USING

One Week Faculty Development  
Programme

# LaTeX

- ✓ Standard in academia for writing reports and thesis
- ✓ More Elegant Media of documentation
- ✓ Just learn a few commands and document is ready
- ✓ A high quality type-setting system



09/09/24

to

13/09/24



02.00 PM to 04.00 PM

**Coordinator**

**Dr. K. Saraswathi AP/EIE**

**Dr. T. Sundar AP/EIE**



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[www.kanchiuniv.ac.in](http://www.kanchiuniv.ac.in)

# Overleaf



Contact

[scsvmveie2013@gmail.com](mailto:scsvmveie2013@gmail.com)

Mobile: 98948 22931

Registration Link:

<https://forms.gle/tJrFE1t95E29reR66>





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DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING



# Writing Research Article

LATEX - OVERLEAF

## Contents

DAY	TOPIC COVERED
DAY 1 - 09/09/2024	<b>INTRODUCTION</b> Create First Latex Document, Section levels and ToC
DAY 2 - 10/09/2024	<b>STYLING PAGES</b> Formatting pages, Multicolumn Document
DAY 3 - 11/09/2024	<b>FORMATTING CONTENT</b> Text Alignment, Bullets and Numbering
DAY 4 - 12/09/2024	<b>MATHEMATICS</b> Equations, Tables and Figures
DAY 5 - 13/09/2024	<b>REFERENCING</b> Indexing, Bibliography

### Convener

Dr. T. Lakshmi Bai,  
HOD/EIE, SCSVMV



### Resource Person

1. Dr. Janani R, SCSVMV
2. Dr. K. Bharathi, SCSVMV

Registration Link:

<https://forms.gle/tJrFE1t95E29reR66>