



Faculty Development Program



VIT[®]
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

Event Outcome

Title : Hands-on Training on LaTeX and AI tools for Technical Writing, Presentation, and Scientific Research Document Writing (Research Scholars)

Date : 2024-10-14 - 2024-10-18

Time : 10:00 - 17:30

Venue : SJT 507

- This FDP program gives confidence for researchers to prepare their research articles and presentations using LaTeX and various AI tools.
- Complete learn of the LaTeX (TexLive, TexStudio) Tool
- Lyx, Table Generator for LaTeX code generator
- Drawing tools learning Microsoft Visio Dia
Inkscape
- Mendely, Jabref, AI Tools

	<p>Resource Person 1 - Details Name : Sri Rama Vara Prasad Bhuvanagiri Designation : Associate Professor Sr., School of Advanced Sciences University/ Company : VIT, Vellore Address : India, 632014.</p>
	<p>Resource Person 2 - Details Name : Rajasekaran G Designation : Assistant Professor Sr. Grade 2, School of Advanced Sciences University/ Company : VIT, Vellore Address : India, 632014.</p>
	<p>Resource Person 3 - Details Name : Rajkumar S Designation : Professor Grade 1, School of Computer Science and Engineering University/ Company : VIT, Vellore Address : India, 632014.</p>
	<p>Resource Person 4 - Details Name : Nalliah M Designation : Associate Professor Grade 1, School of Advanced Sciences University/ Company : VIT, Vellore Address : India, 632014.</p>
	<p>Resource Person 5 - Details Name : Krishnamoorthy A Designation : Assistant Professor Sr. Grade 2, School of Computer Science and Engineering University/ Company : VIT, Vellore Address : India, 632014.</p>
	<p>Resource Person 6 - Details Name : Easwaramoorthy Designation : Associate Professor Grade 2, School of Advanced Sciences University/ Company : VIT, Vellore Address : India, 632014.</p>
	<p>Resource Person 7 - Details Name : Md. Sahul Hameed M A Designation : Professor Grade 1, School of Social Sciences & Languages University/ Company : VIT, Vellore Address : India, 632014.</p>
	<p>Resource Person 8 - Details Name : Anthoniraj A Designation : Professor Grade 1, School of Computer Science and Engineering University/ Company : VIT, Vellore Address : India, 632014.</p>

Resource Person's Profile :

1. Profile of Sri Rama Vara Prasad Bhuvanagiri

Expert in the LaTeX Tool (Beamer Presentation)

2. Profile of Rajasekaran G

Expert in the LaTeX Tool

3. Profile of Rajkumar S

LaTeX and AI Tools

4. Profile of Nalliah M

Expert in the LaTeX Tool (Tikz)

5. Profile of Krishnamoorthy A

AI and Drawing Tools

6. Profile of Easwaramoorthy

Table drawing tools

7. Profile of Md. Sahul Hameed M A

Expert in the paper writing Skills

8. Profile of Anthoniraj A

Empowering Research with Next-Generation AI Tools

The FDP is primarily meant for all researchers of various disciplines. The expected outcome of any research is to bring out the quality of research work by publishing his or her papers in peer-reviewed journals. Most of the peer-reviewed conferences and journals expect authors to submit their papers in LaTeX format. Not only journals but also most of the Universities would expect the Thesis to be in LaTeX format only. The LaTeX is an extremely powerful typesetting language for creating structured documents. It is well suited for documents containing mathematics and also for other document writings. LaTeX provides a facility for portable document format (pdf) and postscript (ps) type of output. In addition to the LaTeX tool, AI tools covered for the drawings, Grammar check, Alignment, etc to effectively use in the document writing.

General introduction to LaTeX and AI Tools

Installation of LaTeX Software

Preparation of basic document

Formatting text matter

Typing Math symbols and equations

Verbatim, Tables and Figures

Inclusion of bibliography references

Drawing diagram and Graph using Tikz

Presentation of Slide using Beamer

Drawing Tools (Microsoft Visio, Inkscape, Dia, AI tools)

Discussion on Various Journal article template format

Discussion on grammar usage in the writing article and VIT Thesis template

Coordinator's: Prof. RAJKUMAR S 12497 - Professor Grade 1 - SCOPE

Prof. KRISHNAMOORTHY A 13299 - Assistant Professor Sr. Grade 2 - SCOPE