



## Faculty Development Program



**VIT**<sup>®</sup>  
Vellore Institute of Technology  
(Deemed to be University under section 3 of UGC Act, 1956)

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

**Date :** 2025-10-06 - 2025-10-08

**Time :** 10:00 - 17:30

**Venue :** SILVER JUBILEE TOWER - 507 SMART CLASS ROOM

### Event Outcome

- General introduction to LaTeX and AI Tools
- Installation of LaTeX Software
- Preparation of basic document
- Formatting text matter
- Typing Math symbols and equations
- Verbatim



#### **Resource Person 1 - Details**

**Name :** Rajkumar S

**Designation :** Professor Grade 1, School of Computer Science and Engineering

**University/ Company :** VIT, Vellore

**Address :** India, 632014.



#### **Resource Person 2 - Details**

**Name :** Krishnamoorthy A

**Designation :** Associate Professor Grade 1, School of Computer Science and Engineering

**University/ Company :** VIT, Vellore

**Address :** India, 632014.



#### **Resource Person 3 - Details**

**Name :** Rajasekaran G

**Designation :** Assistant Professor Sr. Grade 2, School of Advanced Sciences

**University/ Company :** VIT, Vellore

**Address :** India, 632014.



#### **Resource Person 4 - Details**

**Name :** Krishna Chandar N

**Designation :** Associate Professor Grade 1, School of Advanced Sciences

**University/ Company :** VIT, Vellore

**Address :** India, 632014.

## **Resource Person's Profile :**

### **1. Profile of Rajkumar S**

Dr. Rajkumar S, Professor Grade 1 at the School of Computer Science and Engineering, Department of Analytics, specialization in Digital Image Processing, Medical Imaging, Object Recognition, Image Steganography, and Deep Learning.

### **2. Profile of Krishnamoorthy A**

Dr. Krishnamoorthy A, Associate Professor Grade 1 at the School of Computer Science and Engineering, Department of Software Systems, specialization in Computer Networks, Wireless Sensor Networks, IoT, Deep Learning and Healthcare Informatics.

### **3. Profile of Rajasekaran G**

Dr. Rajasekaran G, Assistant Professor Senior Grade 2 in the Department of Mathematics, School of Advanced Sciences, specialization in Graphs and Combinatorics.

### **4. Profile of Krishna Chandar N**

Dr. N Krishna Chandar, Assistant Professor Senior Grade 2 in the Department of Physics, School of Advanced Sciences, has postdoctoral research experience at the Functional Materials Group, KTH Royal Institute of Technology, Sweden and the Institute of Physics, Academia Sinica, Taiwan. His areas of specialization include hierarchical nanostructures for wastewater treatment, mesocrystals and 2D layered materials for energy storage.

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.

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

**Coordinator's: Prof. KRISHNAMOORTHY A 13299 - Associate Professor Grade 1 - SCOPE**  
**Prof. RAJKUMAR S 12497 - Professor Grade 1 - SCOPE**