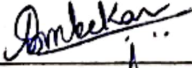
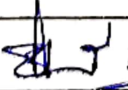


Bhujbal Knowledge City
MET's Institute of Engineering
Artificial Intelligence & Data Science Department

Activity/ Event Report

Title	: Expert Session on "Expert Session Hands-on Workshop on LaTeX"														
Date	: 10/10/2025														
Venue	: Lab 204, Second Floor, MET's IOE, Nashik														
Association, if Any	: No														
Objective	1. Enhance Technical writing skills with effective formatting tools. 2. Understanding the usage of LaTeX packages for applications like mathematical typesetting, bibliography management, etc. 3. Developing professional peer reviewing and editing skills. 4. Understand how to collaborate on LaTeX documents using cloud-based platforms (e.g., Overleaf).														
PO/PSO Addressed & Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
	--	2.52	2.52	--	2.46	--	--	2.58	--	2.52	--	2.58	2.46	2.52	2.52
Name of In-charge	Coordinator: Mrs. Neelima Sagar Ambekar Co-Coordinator: NA Supporting Staff: Prof Nilesh Ahire														
Approved By	HOD <input checked="" type="checkbox"/> Principal <input type="checkbox"/> Other <input type="checkbox"/> (Specify: _____)														
Detailed Report Attached	Yes														
Details of Guest/ Speaker/.....	Name: Dr. Vaibhav Dabhade Designation: Associate Professor, Department of Computer Engineering, MET's IOE Contact Details: 8275229719														
Photograph/Video Available	: Yes If Yes: Print & Soft and Submitted to Prof Nilesh Ahire														
Feedback of Activity	: Collected														
Brief about Activity /Event	This LaTeX workshop is a hands-on training session focused on introducing participants to professional document preparation using LaTeX. It typically covers fundamentals such as document structure and formatting, citations, bibliographies, figures, tables, and the creation of reports and research articles, along with troubleshooting. The workshop is primarily intended for students who must develop technically accurate, academic, or scientific documents with precise formatting requirements.														
Sign. of Coordinator															
Sign. of HOD															
Remark if Any (for office use)	Head, Department of AI & DS, MET's Institute of Engineering, Bhujbal Knowledge City, Adgaon, NASHIK - 03.														



List of Enclosures: - Report, Snaps of Activity, Attendance sheet, Permission letter, Thanksgiving letter, Expert Feedback, Feedback Form.

Report

on

Hands-on Workshop on LaTeX

(Under the Course of Seminar and Technical Communication -317526)

Organized by: Department of Artificial Intelligence & Data Science

Institute: MET's Institute of Engineering, Nashik

Date: Friday, 10th October 2025

Time: 02:30 PM to 05:00 PM

Venue: Lab 204, Second Floor, MET's IOE, Nashik

Target Audience: TE Students of AI & DS

1. Introduction

The Department of Artificial Intelligence & Data Science, MET's Institute of Engineering, Nashik, organized a Hands-on Workshop on LaTeX for TE AI & DS students. LaTeX is a powerful document preparation system widely used in academic writing, research publications, project reports, and presentations. The workshop was conducted with the objective of equipping students with essential skills required to create professional technical documents, research papers, and reports.

2. Resource Person

The expert for the session was:

Dr. Vaibhav Dabhade

*Associate Professor,
Department of Computer Engineering,
MET's IOE, Nashik.*

Dr. Dabhade shared his extensive knowledge and experience in technical writing, research formatting, and document structuring using LaTeX, making the session highly valuable for students.

1

3. Workshop Overview

The session began at 02:30 PM with a brief introduction of the expert and the objectives of the workshop. Dr. Dabhade explained the significance of LaTeX in academic and professional environments and demonstrated how it simplifies the creation of structured, high-quality documents.

Key topics covered:

- Introduction to LaTeX and its applications
- Installing and using LaTeX editors (Overleaf, TeXstudio, etc.)
- Document structure and formatting
- Creating title pages, abstracts, and sections
- Typesetting mathematical equations and symbols
- Inserting tables, figures, and references
- Using packages for advanced formatting
- Basics of bibliography management (BibTeX)
- Tips for writing project reports and research papers using LaTeX

Hands-on Activities:

Students actively participated in practical exercises, including:

- Creating their first LaTeX document
- Formatting content using various commands
- Generating a sample report with equations and tables
- Working with different document classes

The hands-on format ensured that students gained real-time experience and confidence in using LaTeX effectively.

4. Student Participation

The workshop was attended by TE AI & DS students with great enthusiasm. Students engaged throughout the session, asked insightful questions, and successfully completed the hands-on tasks assigned. The practical demonstrations helped them understand the importance of LaTeX in research documentation and professional writing.

5. Outcomes of the Workshop

By the end of the session, students were able to:

- Understand the fundamentals and advantages of LaTeX
- Create well-structured technical documents
- Apply LaTeX for preparing reports, assignments, and research articles
- Use mathematical, tabular, and graphical environments in LaTeX
- Utilize Overleaf and offline LaTeX editors independently

The workshop enhanced their documentation skills, which will be beneficial for mini-projects, research work, and final-year projects.

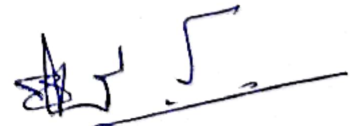
6. Conclusion

The *Hands-on Workshop on LaTeX* was highly informative and impactful. Students appreciated the practical approach, clarity of explanation, and resourcefulness of the expert. The department acknowledges the efforts of Dr. Vaibhav Dabhade for delivering an excellent session and providing valuable guidance to the students. The workshop concluded at 05:00 PM with positive feedback from participants.

Submitted by:



Prof. Neelima Sagar Ambekar
Assistant Professor



Dr. S. V. Gumaste

Head

Department of AI & DS,
MET's Institute of Engineering,
Bhujbal Knowledge City,
Adgaon, NASHIK



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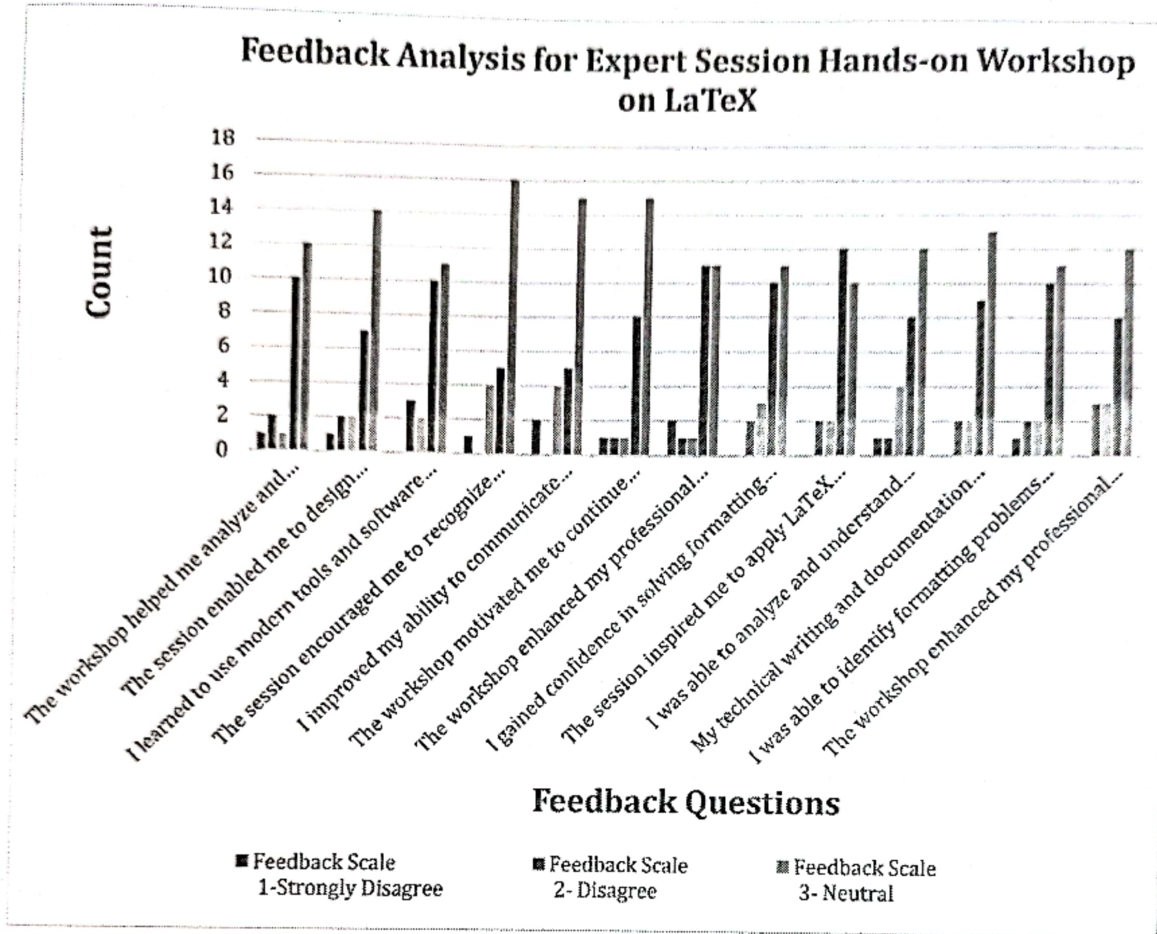
Feedback Analysis:

Evaluation Scale:

1 – Strongly Disagree, 2- Disagree, 3- Neutral, 4- Agree, 5 – Strongly Agree

Sr. No.	Question	Feedback Scale					CO-PO-PSO Mapping	Attainment
		1	2	3	4	5		
1	The workshop helped me analyse and solve technical documentation problems using LaTeX effectively.	1	2	1	10	12	PO2	2.52
2	The session enabled me to design structured and professional documents addressing academic and technical needs.	1	2	2	7	14	PO3	2.52
3	I learned to use modern tools and software features of LaTeX for report and publication preparation.	0	3	2	10	11	PO5	2.46
4	The session encouraged me to recognize the importance of ethics and professionalism in academic writing.	1	0	4	5	16	PO8	2.58
5	I improved my ability to communicate effectively through well-formatted reports and technical documents.	2	0	4	5	15	PO10	2.52
6	The workshop motivated me to continue learning new tools and techniques for lifelong learning.	1	1	1	8	15	PO12	2.58
7	The workshop enhanced my professional skills in document preparation related to AI & Data Science domains.	2	1	1	11	11	PSO1	2.46
8	I gained confidence in solving formatting and presentation problems using LaTeX effectively.	0	2	3	10	11	PSO2	2.52
9	The session inspired me to apply LaTeX for technical publications, research reports, and future academic pursuits.	0	2	2	12	10	PSO3	2.52
10	I was able to analyze and understand specialized topics related to LaTeX.	1	1	4	8	12	CO1	2.46
11	My technical writing and documentation skills improved through practical exposure.	0	2	2	9	13	CO2	2.58
12	I was able to identify formatting problems and develop suitable LaTeX-based solutions.	1	2	2	10	11	CO3	2.46
13	The workshop enhanced my professional and communication skills through structured report preparation.	0	3	3	8	12	CO4	2.46

Graphical Analysis:



Prof. Neelima Sagar Ambekar
Assistant Professor



Dr. S. V. Gumaste
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Department of AI & DS,
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