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## **Department of Computer Science and Engineering**

### **Event Title: "LaTeX Workshop"**

The Department of Computer Science Engineering organised a Workshop event titled "The LaTeX Workshop", which was conducted on 18th April 2026 at 9:30 AM in Seminar Hall-03. The event was organised by the Nova Innovative Compskey (NIC) technical club to introduce students to LaTeX, a high-quality typesetting system widely used for technical and scientific documentation. The workshop provided both theoretical understanding and hands-on exposure to participants. A total of 60 participants attended and actively engaged throughout the session.

#### Objective of the Event

- To familiarise participants with LaTeX and its real-world applications.
- To develop skills in professional document creation, mathematical typesetting, and structured formatting.
- It also focused on enhancing students' ability to create resumes, reports, and academic papers using LaTeX.

#### Event Overview

The LaTeX Workshop was conducted on 18th April 2026 at 9:30 AM in Seminar Hall – 03. The event was organised by the Nova Innovative Compskey (NIC) technical club to introduce students to LaTeX, a high-quality typesetting system widely used for technical and scientific documentation. The workshop provided both theoretical understanding and hands-on exposure to participants. A total of 60 participants attended and actively engaged throughout the session.

#### Outcomes and Impact

##### 1. Session 1: Introduction and Basics

Shraddha introduced LaTeX at 9:38 AM, explaining its importance, features, and applications. She discussed the history of LaTeX and highlighted how it is preferred for

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Figure 1: Workshop on Latex

academic and professional documentation. Shreya then introduced Overleaf at 9:45 AM, demonstrating how to access and use the online platform. She guided participants through account creation, project setup, and basic usage. Mithuna explained the basic structure of a LaTeX document, including commands such as `documentclass`, `begin{document}`, and `end{document}`. She also discussed document formatting and organisation.

## 2. Mathematical Notation Session

Prajwal conducted a detailed session on mathematical notation. He explained inline and displayed math, equation writing, symbols, and operators. Participants were introduced to fractions, roots, subscripts, superscripts, and functions, including logarithmic and trigonometric expressions. An interactive doubt-solving session was also conducted. A short break was provided at 10:50 AM to allow participants to refresh before continuing with the next session.

## 3. Session 2: Advanced Features

The second session began at 11:20 AM, where Shreya explained arrays and tables in LaTeX. She demonstrated multiple methods of creating tables, positioning them, and enhancing them with colours and formatting. She further explained how to insert and wrap images in LaTeX documents, along with syntax and examples. Mithuna continued formatting and list creation, explaining text styles, font sizes, and package use.

## 4. Templates and Practical Usage

Sufiyan introduced different LaTeX templates and demonstrated how to customise them. He also explained how to create professional resumes using LaTeX templates, providing a complete walkthrough.



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Day	Time	Session Details
Saturday, April 18 2026	09:00 – 09:30 am 09.40 am – 10.45 am 10.45 am–12.30 pm	Registrations for the Event Introduction to the LaTeX Technical theory Session about LaTeX and

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Hands-on Session

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Table 1: Schedule of the Event

### Key Outcomes

- Students gained hands-on experience in creating, formatting, and typesetting documents and mathematical expressions.
- The session also improved their confidence in using LaTeX for academic and professional purposes.

Report by:

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