

LaTeX: Essentials for Research, Engineers, and Scientists

The Department of Statistics, in collaboration with IQAC, organised a hands-on workshop entitled LaTeX: Essential for Researchers, Engineers, and Scientists, on 10th February 2026, at 1:30 pm in Lab 1. The session was conducted by Ms Priyanka Gupta, Assistant Professor, Department of Computer Science, Mata Sundri College for Women. Known for her sustained academic engagement and pedagogical clarity, Ms Priyanka has, through years of dedication in instruction, cultivated a learning environment that encourages technical precision alongside intellectual curiosity.

Through the Overleaf platform, Ms Priyanka illustrated the fundamental edifices of a LaTeX document, commencing with the structural anatomy of the preamble and the document environment, introducing participants to precise formatting commands such as boldface, italics, underlining, and new lines. She expounded the distinction between content classification and its optical formatting, showing how LaTeX functions as a cosmopolitan typesetting system rather than an ordinary text editor. She also substantiated how material can be structured into sections, subsections, and sub-subsections, thereby ensuring clarity of ideas and an adroit overall structure. The session also illustrated how ordered and unordered lists are added in LaTeX, followed by an explanation of formulating mathematical expressions, including fractions, algebraic equations, and symbolic notation. The session further demonstrated the incorporation of ordered and unordered lists, cross-referencing apparatuses, the formulation of tables of contents, and the amalgamation of images within the document, ensuring academic propriety. Significant accentuation was placed on the formulation of mathematical expressions, including fractions, algebraic equations, and symbolic notations, consequently underscoring LaTeX's indispensability in scientific necessity.

She offered guidance, addressing participants' queries, so that the technical portion of the session progressed facilely. The workshop consequently emerged as an intellectually engaging and skill-oriented experience, amplifying the participants' confidence in documentation practices and promoting a more structured and competent approach to scholarly writing.