0.1   LaTeX is a powerful typesetting system widely used for creating and formatting documents, especially those that include complex mathematical notation, such as scientific papers, technical reports, and academic theses.

0.2   LaTeX allows users to focus on the content and structure of their documents. This is achieved by writing plain text with markup commands that specify formatting. LaTeX is particularly popular in academic, scientific, and technical fields because of its powerful capabilities for handling complex mathematical equations, referencing, and bibliography management.

0.3   Key Features of LaTeX

0.3.1   High-Quality Typesetting: LaTeX produces documents with professional-quality typesetting, making it ideal for publications.

0.3.2   Mathematical Notation: LaTeX excels at rendering complex mathematical expressions and formulas with ease.

0.3.3   Customization: LaTeX is highly customizable with numerous packages available to extend its functionality.