**Adichunchanagiri institute of technology, chikKAmagalurU**

**Department of COMPUTER science & engineering**

**Add on course for 4th sem BE, CSE – 30 Hours**

**ADD on Course Name: LaTeX Editing Tool**

**Course Code: 21CS-SLET\_01**

## Module 1: Overleaf guides 10 Hours

[Creating a document in Overleaf](https://www.overleaf.com/learn/how-to/Creating_a_document_in_Overleaf), [Uploading a project](https://www.overleaf.com/learn/how-to/Uploading_a_project), [Copying a project](https://www.overleaf.com/learn/how-to/Copying_a_project), [Creating a project from a template](https://www.overleaf.com/learn/how-to/Creating_a_project_from_a_template) [Using the Overleaf project menu](https://www.overleaf.com/learn/how-to/Using_the_Overleaf_project_menu), [Including images in Overleaf](https://www.overleaf.com/learn/how-to/Including_images_on_Overleaf), [Exporting your work from Overleaf](https://www.overleaf.com/learn/how-to/Exporting_your_work_from_Overleaf), [Working offline in Overleaf](https://www.overleaf.com/learn/how-to/Working_Offline_in_Overleaf), [Debugging Compilation timeout errors](https://www.overleaf.com/learn/how-to/Why_do_I_keep_getting_the_compile_timeout_error_message%3F).

**Module 2: LaTeX Basics 10 Hours**

[Creating your first LaTeX document](https://www.overleaf.com/learn/latex/Creating_a_document_in_LaTeX), [Choosing a LaTeX Compiler](https://www.overleaf.com/learn/latex/Choosing_a_LaTeX_Compiler), [Paragraphs and new lines](https://www.overleaf.com/learn/latex/Paragraphs_and_new_lines), [Bold, italics and underlining](https://www.overleaf.com/learn/latex/Bold%2C_italics_and_underlining), [Lists](https://www.overleaf.com/learn/latex/Lists), [Errors](https://www.overleaf.com/learn/latex/Errors), Figures and tables: [Inserting Images](https://www.overleaf.com/learn/latex/Inserting_Images), [Tables](https://www.overleaf.com/learn/latex/Tables), [Positioning Images and Tables](https://www.overleaf.com/learn/latex/Positioning_images_and_tables), [Lists of Tables and Figures](https://www.overleaf.com/learn/latex/Lists_of_tables_and_figures).

**Module 3: Mathematics 10 Hours**

[Mathematical expressions](https://www.overleaf.com/learn/latex/Mathematical_expressions), [Subscripts and superscripts](https://www.overleaf.com/learn/latex/Subscripts_and_superscripts), [Brackets and Parentheses](https://www.overleaf.com/learn/latex/Brackets_and_Parentheses), [Matrices](https://www.overleaf.com/learn/latex/Matrices), [Fractions and Binomials](https://www.overleaf.com/learn/latex/Fractions_and_Binomials), [Aligning equations](https://www.overleaf.com/learn/latex/Aligning_equations_with_amsmath), [Operators](https://www.overleaf.com/learn/latex/Operators), [Spacing in math mode](https://www.overleaf.com/learn/latex/Spacing_in_math_mode), limits, Display, [List of Greek letters and math symbols](https://www.overleaf.com/learn/latex/List_of_Greek_letters_and_math_symbols), [Mathematical fonts](https://www.overleaf.com/learn/latex/Mathematical_fonts), [Using the Symbol Palette in Overleaf](https://www.overleaf.com/learn/how-to/Using_the_Symbol_Palette_in_Overleaf).

**Text Books:**

1. Guide to LATEX - UC Davis Mathematics, by H Kopka · 2004

**References:**

1. LATEX in 24 Hours, a practical guide for scientific writing by Dilip Datta