

Objectives and Course Content of Short Term Course

Operational Plan No.	CSE - 28
Name of the Course	Report Writing using Latex
Objectives of Course	<ul style="list-style-type: none">• To learn the basics of LATEX• To learn installation of LATEX• To learn about document class, page layout and templates.• To write mathematical equations in LATEX and Programming using MATHEMATICA and SAGE.• To insert and manipulate images and creation of figures and bibliography.• To create posters and design presentations in LATEX.• To learn about authoring journal and conference article and creating our own macros.• To handle complex documents using multiple files, creating macros.
Course Content	<ul style="list-style-type: none">• Overview of Latex Programming.• Installation of LATEX and Creating a basic document and document class.• Typing mathematic equations in LATEX and programming using MATHEMATICA and SAGE.• Insertion of figures and creation of bibliography.• Posters and presentations in LATEX.• Use of templates and authorization of research papers/articles.• Tex Directory system and handling of complex documents.• Online resources for Latex Learning and conversion of LateX documents to other formats.• Generating Reference card using Latex.
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