

PROGRAMME NAME: B.Sc. (Hons.) Mathematics
COURSE NAME : LaTeX and HTML(Skill Enhancement Paper)
SEMESTER DURATION : July to December

WEEK	TOPIC(S)	Teaching Methodology Adopted / Continuous Internal Evaluation
1	Introduction to TeX and LaTeX, Typesetting a simple document.	TUTORIALS
2	Adding basic information to a document	ASSIGNMENTS
3	Environments, Footnotes, Sectioning and displayed material.	PRESENTATIONS
4	Accents of symbols, Mathematical typesetting (elementary and advanced): Subscript/Superscript,	DEMONSTRATIONS
5	Accents of symbols, Mathematical typesetting (elementary and advanced): , Fractions, Roots, Ellipsis, Mathematical symbols, Arrays, Delimiters, Multiline formulas.	SELF-INSTRUCTIONS
6	Spacing and changing style in math mode.	CASE STUDY
7	Graphics in LaTeX, Simple pictures using PSTricks	LECTURES
8	Plotting of functions.	DISCUSSION
9	Beamer presentation.	DISCUSSION
10	Beamer presentation.	TUTORIALS
11	HTML basics	LECTURES
12	Creating simple web pages.	PRESENTATIONS
13	Adding images and links.	CASE STUDY
14	Design of web pages.	PRESENTATIONS

Course Objectives: The purpose of this course is to acquaint students with the latest typesetting skills, which shall enable them to prepare high quality typesetting, beamer presentation and webpages.

Course Learning Outcomes: After studying this course the student will be able to:

- i) Create and typeset a LaTeX document.
- ii) Typeset a mathematical document using LaTeX.
- iii) Learn about pictures and graphics in LaTeX.
- iv) Create beamer presentations.
- v) Create web page using HTML.