

Semester-II (SEC)**Subject Title: LATEX for Mathematics and Sciences (Theory & Practical)****Course Code: SEC-2650****No. of Credits: 2(1+1)****Learning Hours: 3 Hours/Week****Theory:**

Software installation and uninstallation, Typesetting basics, Mathematical typesetting. Update and install packages. Update and install class.

Practical:

- (1) Insert tables
- (2) Insert matrices
- (3) Insert graphics
- (4) Custom packages.
- (5) Commands in LaTeX
- (6) Handling errors.
- (7) Formatting beamer
- (8) Creating your own packages
- (9) Plotting curves
- (10) Plotting surfaces
- (11) Color of fonts
- (12) Tikz package and its uses
- (13) Page size and margins

Reference Books:

- 1 Latex; A document preparation system, User's guide and reference manual
 2nd edition, Leslie Lamport, Addison Wesley
- 2 The Latex Companion, 2nd edition, Frank Mittelbach and Ulrike Fischer, Addison-Wesley
 Professional
- 3 Latex for Beginners, Ramalakshmi