D.B.F.Dayanand College of Arts and Science, Solapur

CERTIFICATE COURSE IN LaTeX

SYLLABUS

Objectives : To introduce students with a software that is being widely used for typesetting especially in Mathematics field. To make students know importance of this software for publishing research articles, papers, project reports and books and thereby help them to be comfortable with the software .

Unit I : Installation of LaTeX	10 Hours
i) Installation of Kile and MikeTeX.	
ii) Class and packages	
iii) Latex programming and commands, sample packages	
iv) Error messages : Some sample errors,list of LaTeX error messages	
Unit II : Formating of output document :	10 Hours
i) Fonts, symbols, indenting, paragraphs, line spacing, word spacing, titles and subti	itles
ii) Document class,page style,parts of the documents,table of contents	
iii) Command names and arguments, environments, declarations	
iv) Theorem like declarations, comments within text,	
Unit –III : Mathematical formulae :	10 Hours
i) Mathematical environments, math mode , mathematical symbols	
ii) Graphic package, multivalued functions, drawing matrices	
iii) Tables, tables with captions	
iv) References to figures and tables in text	
Unit –IV : Drawing with LaTeX	10 Hours
i) picture environments	

ii) extended pictures, other drawing packages

iii) Preparing book, project report in LaTeX.

Reference Book :

Guide to LATEX, fourth edition, *Helmut Kopka, Patrick W.Daly*