



# ST. THOMAS COLLEGE PALAI

UGC Approved College with Potential for Excellence

Reaccredited by NAAC with A Grade (CGPA 3.30)

## Syllabus for Vocational Education and Training (VET) Course

### LaTeX for Mathematical Documentation

Course Code	:	<b>STCVE011</b>
Course Coordinator	:	<b>Dr. Sunil C Mathew</b> <b>Associate Professor</b> <b>Department of Mathematics</b>
Maximum intake	:	<b>40</b>
Eligibility	:	<b><i>Any regular UG or PG student of the College</i></b>

#### **Objective:**

(1) To make a basic knowledge in Mathematical Typesetting using LaTeX

#### **Module 1 Formatting commands**

Introduction - Typing ordinary text - Setting margins - Typing mathematical formulas as equations - Including a Matrix - Ordinary Text Aligning - Text within Equations and spacing - Sectioning - Theorem - Footnotes - Page breaks and line breaks - Multi column

#### **Module 2 Symbols:**

Accents, symbols and operators in text and Math mode - Relations - Arrows – Brackets - Trigonometric functions and other functions

#### **Module 3 Environments:**

Array - Table - List - Header – Fonts - Comments - Page settings - Handling graphics - Hyperlinks column

References *Leslie Lamport, LaTeX: A document preparation system, 2nd Edition, Addison-Wesley, 1994.*  
*Fittelbachh Fittelbach, M. Goossens. The LaTeX Companion: 2nd Edition, 2004.*

Theory: **50%** & Practical: **50%**