



CHRIST

COLLEGE (AUTONOMOUS)

IRINJALAKUDA, KERALA

Reaccredited by NAAC with 'A++' grade

DEPARTMENT OF STATISTICS

Conducts

INTRODUCTION TO LaTeX

LaTeX

About the course

Master the art of creating professional-quality documents using LaTeX, the powerful and flexible typesetting system. This course introduces participants to the fundamental concepts of LaTeX, including document structure, typesetting equations, creating tables, managing references, and designing presentations. Ideal for researchers, academics, and professionals, this hands-on course will equip you with the skills to produce polished technical papers, theses, reports, and more.

Commencement date

22 AUGUST 2023



:STATISTICS LAB

OFFERED BY

Department of Statistics
Christ College (Autonomous)

Course coordinator

Linett George

 9526226869

Duration:30 hrs

With best regards: Department of Statistics

Certificate Course on Introduction to LaTeX CPCC45

Course Title: Introduction to LaTeX

Coordinator: Ms. Linett George

Department: Statistics, Christ College (Autonomous), Irinjalakuda

Duration: 30 Hours

Course Outcomes: After successfully completing this Course, students will have acquired proficiency with LaTeX as well as many features of LaTeX which include:

1. Download and install LaTeX.
2. Typesetting of Mathematical, Scientific and general-purpose documents using LaTeX.
3. Use tabular and array environments within LaTeX.
4. Typesetting of journal articles, thesis, and slide presentations.

Syllabus

Module 1: Introduction to word Processor and Type Setting Software. Installation of LaTeX on Windows- MikTeX and Winedt. Introduction to MikTeX and Winedt/TeXstudio. The basic structure of a Latex document, defining class of the document using packages.

Module 2: Basic text formatting-paragraphs, sections, subsections, lists, etc. Introduction to Mathematics Environment, Writing Greek Symbols and some basic mathematics type structure like Fractions, Superscript, subscript, Overline, Underline etc.

Module 3: Figures and Tables, Matrix, Determinant and Other similar structure. Equations and Arrays. Inserting pictures and tables, Special Environments Enumerates, Cases etc.

Module 4: Cross-referencing (refer to sections, table, images), add bibliography (references), and create back index.

Reference Books:

1. Gratzner, G.-*Math into LaTeX and Introduction to LaTeX and AMS LaTeX*, 2000
2. Lamport, L.-*LATEX: A Document Preparation System*, Second edition, Addison- Wesley, 1994

Value Added Certificate Course

Introduction To LaTeX

Report 2023-2024

This course was commenced on 22 August 2023. There were 10 students enrolled and 9 students completed the course. The course was of 30-hour duration. The students had received an idea on documentation.

Course Outcome

On completion of this Course, students will have acquired proficiency with LaTeX as well as many features of LaTeX which include:

1. Download and install LaTeX.
2. Typesetting of Mathematical, Scientific and general-purpose documents using LaTeX.
3. Use tabular and array environments within LaTeX.
4. Typesetting of journal articles, thesis, and slide presentations.

Evaluation

Participants are assessed by assignments on completion of training program.

Target Audience

M.Sc. Statistics students

Course Coordinator: Ms. Linett George

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ANAKHA K J

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Ms. Linett George

Program coordinator

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Dr. Davis Antony M

HoD Department of Statistics (Self-financing)

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Rev. Fr. Dr. Jolly Andrews

Principal

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