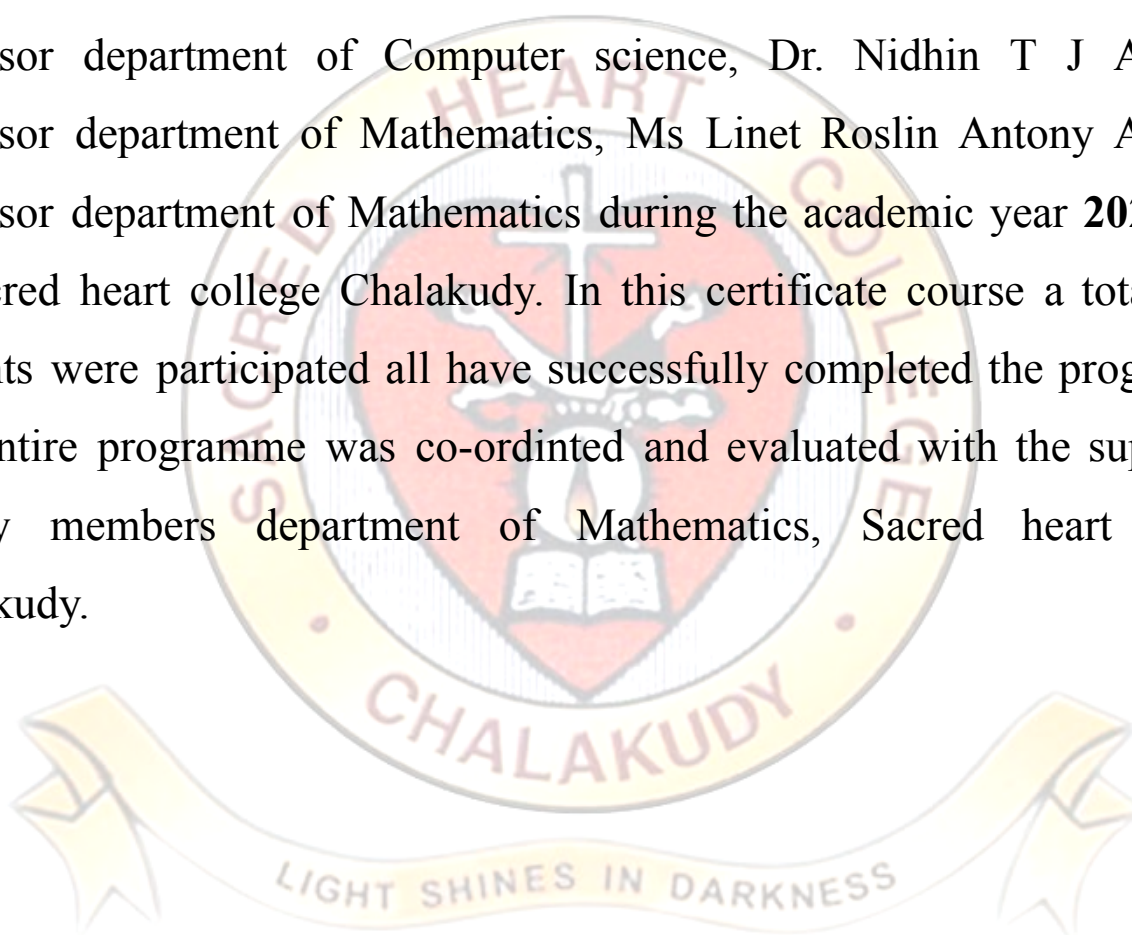


REPORT ON INTRODUCTION TO LATEX

An 30 hour certificate course on the topic “**An Introduction to LaTeX**” was organized by the department of Mathematics, Sacred heart college Chalakudy under the chairmanship of Dr. Vijitha Mukundan, Assistant professor department of Mathematics, Sacred heart college Chalakudy and with member of board of studies as Dr. Jisha Jose Panackal, Assistant professor department of Computer science, Dr. Nidhin T J Assistant professor department of Mathematics, Ms Linet Roslin Antony Assistant professor department of Mathematics during the academic year **2020-2021** at Sacred heart college Chalakudy. In this certificate course a total of 15 students were participated all have successfully completed the programme. The entire programme was co-ordinated and evaluated with the support of faculty members department of Mathematics, Sacred heart college Chalakudy.



DEPARTMENT OF MATHEMATICS
SACRED HEART COLLEGE, CHALAKUDY

Certificate Course on
TYPESETTING IN LATEX

(Total 30 Hrs)

Module 1

The Basics: Introduction to Word Processor and Type Setting Software. Introduction to MikTeX and TexStudio.

Module 2

The structure of a Latex document, Defining class of the document through `\documentclass` and using packages through `\usepackage`, `\begin{document}` and `\end{document}`.

Module 3

Text formatting and colouring commands. Introduction to Mathematics Environment, Writing Greek Symbols and some basic mathematics type structure like Fractions, Superscript, subscript, Overline, Underline etc.

Module 4

Matrix, Determinant and Other similar structure, Equations and Arrays, Inserting pictures and tables, Defining, redefining and using Macros.

Module 5

Special Environments Enumerates, Tabular, Cases etc. Power point Presentation using Beamer, Advance packages.

REFERENCES

1. The LaTeX Companion Second Edition by Frank Mittelbach and Michel Goossens
2. The Not So Short Introduction to LaTeX 2E by Tobias Oetiker, Hubert Partl, Irene Hyna and Elishabeth Schlegl
3. Math into LaTeX and Introduction to LaTeX and AMS LaTeX by George Gratzner

DEPARTMENT OF MATHEMATICS
SACRED HEART COLLEGE, CHALAKUDY

Certificate Course on

QUANTITATIVE APTITUDE & ANALYTICAL SKILLS

(Total 30 Hrs)

Module 1 Data Interpretation (4 hours)

The data given in a Table, Graph, Bar Diagram, Pie Chart, Venn diagram.

Module 2 Sequence and Series (6 hours)

Identifying Patterns of Sequences, Geometric Series, Arithmetic Series, Harmonic Series.

Module 3 Arithmetic Skills (8 hours)

BODMAS Rule, Fractions, Divisibility rule, LCM & GCD (HCF). Date, Time and Arrangement Problems: Calendar Problems, Clock Problems, Blood Relationship.

Module 4 Quantitative aptitude (8 hours)

Averages, Ratio and Proportion, Problems on ages, Problems on time, distance and speed.

Module 5 Computational Skills for Management (4 hours)

Percentages, Profit and Loss, Simple and Compound Interest.

REFERENCES

1. Quantitative Aptitude for Competitive Examination by R S Agrawal, S. Chand publications.
2. Quantitative Aptitude and Reasoning by R V Praveen, PHI publishers.
3. Quantitative Aptitude for Competitive Examination by Abhijit Guha, Tata Mc Graw Hill publications.

SACRED HEART COLLEGE FOR WOMEN, CHALAKUDY

Date of Commence

[illegible]

[illegible]

Department of Mathematics

SACRED HEART COLLEGE
FOR WOMEN, CHALAKUDY

Certificate of Completion

THIS CERTIFICATE IS GIVEN TO

**Sneha M S, II MSc Mathematics,
Sacred Heart College, Chalakudy**

for successfully completing
all the requirements of Certificate Course on
AN INTRODUCTION TO LATEX
during the academic year 2020-21.



DR. SR. IRENE

Principal



MS. SMITHA DAVIS

Head

Department of Mathematics

SACRED HEART COLLEGE
FOR WOMEN, CHALAKUDY

Certificate of Completion

THIS CERTIFICATE IS GIVEN TO

**Silby Thomas, II MSc Mathematics,
Sacred Heart College, Chalakudy**

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AN INTRODUCTION TO LATEX
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DR. SR. IRENE

Principal



MS. SMITHA DAVIS

Head

Department of Mathematics

SACRED HEART COLLEGE
FOR WOMEN, CHALAKUDY

Certificate of Completion

THIS CERTIFICATE IS GIVEN TO

**Selma Sunny, II MSc Mathematics,
Sacred Heart College, Chalakudy**

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DR. SR. IRENE

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MS. SMITHA DAVIS

Head

Department of Mathematics

SACRED HEART COLLEGE
FOR WOMEN, CHALAKUDY

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THIS CERTIFICATE IS GIVEN TO

**Nimmy Joy, II MSc Mathematics,
Sacred Heart College, Chalakudy**

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AN INTRODUCTION TO LATEX
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DR. SR. IRENE

Principal



MS. SMITHA DAVIS

Head

Department of Mathematics

SACRED HEART COLLEGE
FOR WOMEN, CHALAKUDY

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THIS CERTIFICATE IS GIVEN TO

**Linsa Thomas, II MSc Mathematics,
Sacred Heart College, Chalakudy**

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AN INTRODUCTION TO LATEX
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DR. SR. IRENE

Principal



MS. SMITHA DAVIS

Head

Department of Mathematics

SACRED HEART COLLEGE
FOR WOMEN, CHALAKUDY

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THIS CERTIFICATE IS GIVEN TO

**Henna Thomas, II MSc
Mathematics,
Sacred Heart College, Chalakudy**

for successfully completing
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AN INTRODUCTION TO LATEX
during the academic year 2020-21.



DR. SR. IRENE

Principal



MS. SMITHA DAVIS

Head

Department of Mathematics

SACRED HEART COLLEGE
FOR WOMEN, CHALAKUDY

Certificate of Completion

THIS CERTIFICATE IS GIVEN TO

**Dona K Antony, II MSc Mathematics,
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DR. SR. IRENE

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MS. SMITHA DAVIS

Head

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Certificate of Completion

THIS CERTIFICATE IS GIVEN TO

**Deena Devassy, II MSc
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DR. SR. IRENE

Principal



MS. SMITHA DAVIS

Head

Department of Mathematics

SACRED HEART COLLEGE
FOR WOMEN, CHALAKUDY

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THIS CERTIFICATE IS GIVEN TO

**Cliya Jose, II MSc Mathematics,
Sacred Heart College, Chalakudy**

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DR. SR. IRENE

Principal



MS. SMITHA DAVIS

Head

Department of Mathematics

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THIS CERTIFICATE IS GIVEN TO

**Christy Jose, II MSc Mathematics,
Sacred Heart College, Chalakudy**

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DR. SR. IRENE

Principal



MS. SMITHA DAVIS

Head

Department of Mathematics

SACRED HEART COLLEGE
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**Christeena P A, II MSc Mathematics,
Sacred Heart College, Chalakudy**

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DR. SR. IRENE

Principal



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Head

Department of Mathematics

SACRED HEART COLLEGE
FOR WOMEN, CHALAKUDY

Certificate of Completion

THIS CERTIFICATE IS GIVEN TO

**Bridhu T M, II MSc Mathematics,
Sacred Heart College, Chalakudy**

for successfully completing
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DR. SR. IRENE

Principal



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Department of Mathematics

SACRED HEART COLLEGE
FOR WOMEN, CHALAKUDY

Certificate of Completion

THIS CERTIFICATE IS GIVEN TO

**Ansalit Poullose, II MSc
Mathematics,
Sacred Heart College, Chalakudy**

for successfully completing
all the requirements of Certificate Course on
AN INTRODUCTION TO LATEX
during the academic year 2020-21.



DR. SR. IRENE

Principal



MS. SMITHA DAVIS

Head

Department of Mathematics

SACRED HEART COLLEGE
FOR WOMEN, CHALAKUDY

Certificate of Completion

THIS CERTIFICATE IS GIVEN TO

**Anna K Seby, II MSc Mathematics,
Sacred Heart College, Chalakudy**

for successfully completing
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AN INTRODUCTION TO LATEX
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DR. SR. IRENE

Principal



MS. SMITHA DAVIS

Head

Department of Mathematics

SACRED HEART COLLEGE
FOR WOMEN, CHALAKUDY

Certificate of Completion

THIS CERTIFICATE IS GIVEN TO

**Anitha Antony, II MSc Mathematics,
Sacred Heart College, Chalakudy**

for successfully completing
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DR. SR. IRENE

Principal



MS. SMITHA DAVIS

Head