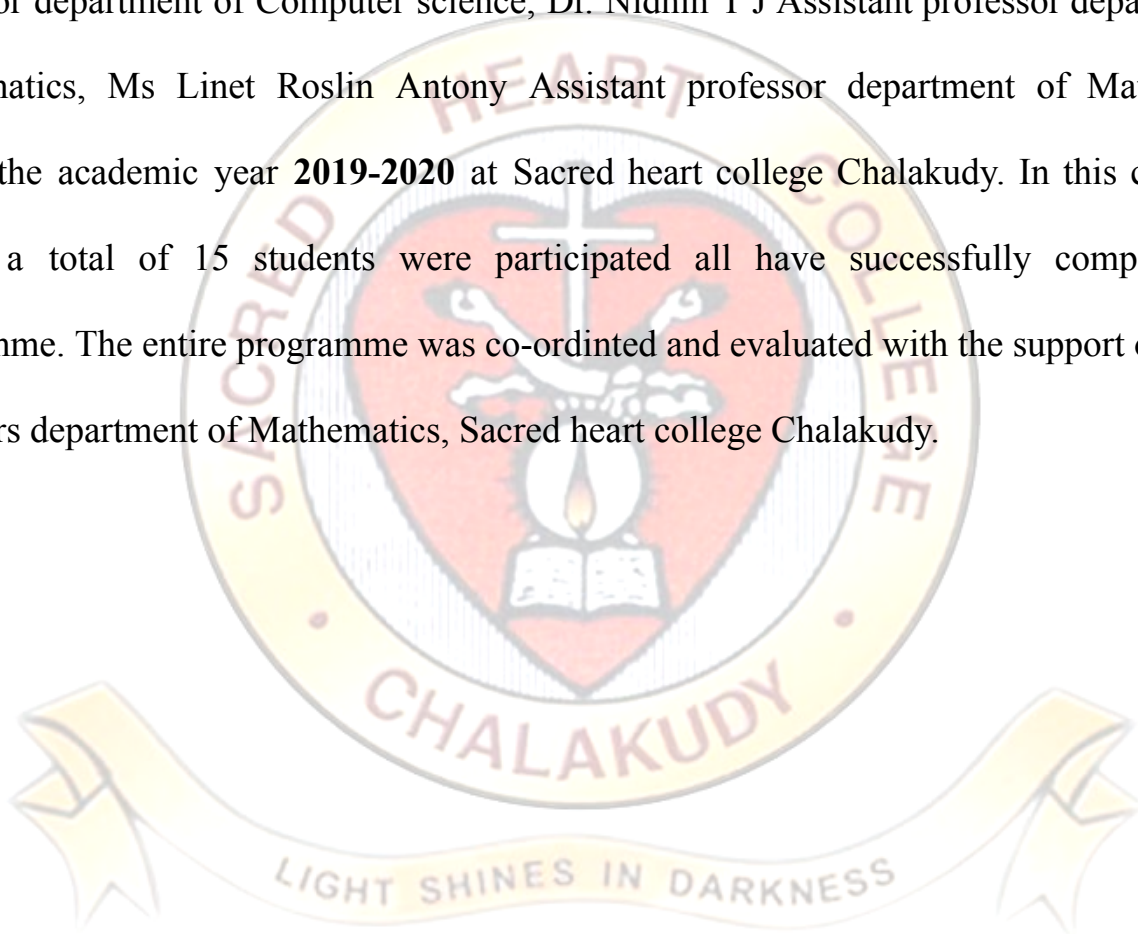


# REPORT ON INTRODUCTION TO LATEX

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 **2019-2020** 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 FOR WOMEN, CHALAKUDY

## Students Attendance List of Certificate Course 'An Introduction to LaTeX' 2019-20

Date of Commence

[illegible]



encement: 22/10/2019			
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## Department of Mathematics

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### *Certificate of Completion*

**THIS CERTIFICATE IS GIVEN TO**

**Vinny Varghese, 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 2019-20.



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**DR. SR. IRENE**

Principal



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**MS. SMITHA DAVIS**

Head

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