

DEPARTMENT OF MATHEMATICS
DEVA MATHA COLLEGE, KURAVILANGAD

Affiliated to Mahatma Gandhi University, Kottayam



Syllabus

ADD-ON COURSE

in

LaTeX for Documentation

(For III B.Sc. Mathematics students)

Academic Year: 2021-22



*Deva Matha College
Kuravilangad, Kottayam,
Kerala - 686633*



DEVA MATHA COLLEGE KURAVILANGAD

DEPARTMENT OF MATHEMATICS

Add on Courses offered for Students:2021-2022

- **Microsoft Office - *for II DC Students***
DMCK/ MATH/AD 20/2021
- **LaTeX for Documentation - *for III DC Students***
DMCK/ MATH/AD 21/2021
- * **II PG -Data Analytics Using R-11 - *for PG Students***
DMCK/STATS/AD 38/2021
- * **I PG- Introduction of Python (for Mathematics Students)**
DMCK/ MATH/AD 22/2021

Department Coordinator: Mr.Christy Tom Mathews

Title: LaTeX for Documentation

Instructional Hours: 30

Duration:6 months

Mode of Instruction:Online and Offline

Intake Capacity:40 students

Eligibility: Plus Two (preferably science background in ongoing UG /PG course)



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Add-on Course in

DMCK/MATH/AD21/2021: LaTeX for Documentation

Duration: 30 hours

Course Objectives

- Provides a comprehensive theoretical foundation on LaTeX
- prepare project reports, research articles, thesis and presentations
- To include figures and tables in a Latex document
- Use the preamble of LaTeX file to define document class and layout options

Syllabus

MODULE 1 (8 hrs.)

- Installation of the software
- Understanding LaTeX compilation
- Basic syntax

MODULE 2 (7 hrs.)

- Writing equation
- matrix
- tables

MODULE 3 (8 hrs.)

- Page layout-titles, abstract, chapters, sections, reference

MODULE 4 (7 hrs.)

- List making environments
- packages-geometry
- Hyper ref
- amsmath, amssymb

Course Outcome

- Successfully install LaTeX and its related components on a home/ Personal computer.
- Independently typeset Mathematical, Scientific and general purpose documents in a well organized manner and atmost accuracy.
- Use of LaTeX and various templates acquired from the course to compose Mathematical documents, Presentation and reports.



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Assessment Procedure

The assessment will be based on Attendance, Assignments Practical and Theory Examination

Attendance	10
Assignment	20
Practical	20
Written Exam	50

Grading

Marks	Grade
95-100	S
80-90	A+
70-80	A
60-70	B



Anand Mathew

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