DEVA MATHA COLLEGE, KURAVILANGAD

Affiliated to Mahatma Gandhi University, Kottayam



Syllabus

ADD-ON COURSE

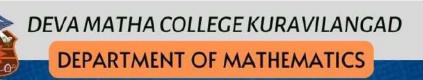
in

LaTeX for Documentation

(For III B.Sc. Mathematics students)

Academic Year: 2021-22





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)



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.



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	В



Principal
Deva Matha College
Kuravilangad - 686 633