

**PG DEPARTMENT OF PHYSICS**  
**DEVA MATHA COLLEGE, KURAVILANGAD**  
Affiliated to Mahatma Gandhi University, Kottayam



**REPORT**  
**ON**  
**ADD-ON COURSE**  
**Basic LATEX**  
**Academic Year: 2022-2023**



**DEVA MATHA COLLEGE KURAVILANGAD**

**DEPARTMENT OF SELF FINANCE PHYSICS PG**

**Add on Courses offered for Students : 2022-2023**

**1. Basic LATEX**

**DMCK/ SFPHY/AD 29/2022**

**2. Physics Simulations in C++**

**DMCK/ SFPHY/AD 30/2022**



**Department Coordinator: Ms. Roselin George**



**DEVA MATHA COLLEGE,  
KURAVILANGAD**

**PG Department of Physics**

**Add on Course**

**BASIC LATEX**



<b>Academic year</b>	<b>:</b>	<b>2022-2023</b>
<b>Title</b>	<b>:</b>	<b>Basic LATEX DMCK/SFPHY/AD 29/2022</b>
<b>Instructional Hours</b>	<b>:</b>	<b>30 Hours</b>
<b>Duration</b>	<b>:</b>	<b>1 months</b>
<b>Mode of Instruction</b>	<b>:</b>	<b>Online and offline</b>
<b>Intake Capacity</b>	<b>:</b>	<b>30 hours</b>
<b>Eligibility</b>	<b>:</b>	<b>B Sc Physics</b>
<b>Beneficiaries</b>	<b>:</b>	<b>I PG Students</b>

<b>Date(s) on which program was conducted</b>	<b>:16-12-22 to 23-1-23</b>
<b>Organizing Dept./Club &amp; Name of the Coordinator:</b>	<b>:P G Department of Physics, Ms. Roselin George</b>
<b>Number of students participated in the programme</b>	<b>:16</b>
<b>The number of students completed the programme</b>	<b>:16</b>

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## 1. REPORT

P G Department of Physics, Deva Matha college Kuravilangad conducted an add-on course on “**Basic LATEX** from 16-12-22 to 23-1-23. The course was about documentation using LATEX. This course included live sessions through google meet and practical works. Through this course students learned benefits, virtues of open source, separation of form and content, portability, comparison LATEX with other word processor software. After the completion of the course exam were conducted and certificates are distributed.

## 2. COURSE OBJECTIVES

- Prepare a LATEX document to make a scientific article and project report
- To include figures and tables in a document
- Use the preamble of LATEX file to define document class and layout options

## 3. SYLLABUS

### **Module 1- Introduction to LATEX (10 hours )**

Introduction what is LATEX, history of LATEX, benefits, virtues of open source, separation of form and content, portability, comparing LATEX with other word processor software, installation, introduction to over-leaf Document Structure Document class, page style, page numbering, formatting lengths, parts of a document, creating title - sections - labelling -table of contents, dividing the document. Typesetting text Font effects, coloured text, font sizes, lists, special characters. Practical sessions in LaTeX

### **Module 2- LATEX for Education and Research( 10 hours )**

Introduction Outline for a project report, basic structure of a scientific paper starting a document in LATEX. Macros Packages, math mode, Latin abbreviations, references for figures tables- equations- and sections, comments. Document class

Book, report, article, thesis, question papers, syllabus. Organization of LATEX files  
Figures in separate folders, figures :resolution, position, caption, multiple  
Images, videos, tables, algorithms. Practical sessions in LaTeX

### **Module 3- LATEX for Communication and Presentation (10Hrs )**

Introduction Methods of communication and presentations : letters, oral and poster presentations, advantages of LATEX, Beamer Templates, slide setup, packages, themes, Practical sessions in LaTeX

## **4. ASSESSMENT PROCEDURE**

### **Online Exam(Objective type)**

Marks (%)	Grade	Grade point
91-100	A	5
81-90	B	4
71-80	C	3
61-70	D	2
Below 60	E	1

## **5.OUTCOMES**

- After the completion of the course the students will be able to identify and understand LATEX as a document preparation system
- Create and design documents in Latex and presentations in Beamer
- Handle different types of documents
- Organize documents into different sections, subsections, etc..
- Handle complex mathematical formulae in document
- Expertise in Cross-referencing, bibliography, and
- Indexing

## **6. RESOURCE PERSON**

**Ms. Josna James**  
**Asst. Professor**  
**St. George College**  
**Aruvithura**

## **7. STUDENTS LIST**

1	ALEENA VARKEY
2	ANEETA SHAJI
3	ANJANA MADHU
4	ARATHY S NAIR
5	ASISH K SHAJAN
6	ASWINI RAJAN
7	DEVI SASIDHARAN
8	DIYA SEBASTIAN
9	JYOTHINADH V U
10	MIDHUN NAIR M
11	NEHA TOM
12	SANDRA JACOB
13	SANISHA K G
14	SREELAKSHMI C K
15	SUSAN MONCY
16	VRINDHA S RAJ

# 8. ATTENDANCE SHEET

M.Sc PHYSICS ADD-ON COURSE : ATTENDANCE ( II PG 2022-23)

Name of the student	16-12-22	17-12-22	19-12-22	20-12-22	21-12-22	22-12-22	23-12-22	3-1-23	4-1-23	5-1-23
ALEENA VARKEY	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP
ANEETA SHAJI	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP
ANJANA MADHU	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM
ARATHY S NAIR	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS
ASISH K SHAJAN	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS
ASWINI RAJAN	A	A	A	A	A	A	A	A	A	A
DEVI SASIDHARAN	D	D	D	D	D	D	D	D	D	D
DIYA SEBASTIAN	D	D	D	D	D	D	D	D	D	D
JYOTHINADH V U	J	J	J	J	J	J	J	J	J	J
MIDHUN NAIR M	M	M	M	M	M	M	M	M	M	M
NEHA TOM	N	N	N	N	N	N	N	N	N	N
SANDRA JACOB	S	S	S	S	S	S	S	S	S	S
SANISHA KG	S	S	S	S	S	S	S	S	S	S
SREELAKSHMI C K	S	S	S	S	S	S	S	S	S	S
SUSAN MONCY	S	S	S	S	S	S	S	S	S	S
VRINDHA S RAJ	V	V	V	V	V	V	V	V	V	V

P.S. [Signature]  
 Date: 10/1/23  
 10/1/23

**M.Sc PHYSICS ADD-ON COURSE : ATTENDANCE ( II PG 2022-23)**

Name of the student	6-1-23	7-1-23	9-1-23	10-1-23	11-1-23	12-1-23 10-3-23	12-1-23 4-5-23	12-1-23 8-9-23	13-1-23 7-5-23	13-1-23 7-5-23
ALEENA VARKEY	A	A	A	A	A	A	A	A	A	A
ANEETA SHAJI	A	A	A	A	A	A	A	A	A	A
ANJANA MADHU	A	A	A	A	A	A	A	A	A	A
ARATHY S NAIR	A	A	A	A	A	A	A	A	A	A
ASISH K SHAJAN	A	A	A	A	A	A	A	A	A	A
ASWINI RAJAN	A	A	A	A	A	A	A	A	A	A
DEVI SASIDHARAN	A	A	A	A	A	A	A	A	A	A
DIYA SEBASTIAN	A	A	A	A	A	A	A	A	A	A
JYOTHINADH V U	A	A	A	A	A	A	A	A	A	A
MIDHUN NAIR M	A	A	A	A	A	A	A	A	A	A
NEHA TOM	A	A	A	A	A	A	A	A	A	A
SANDRA JACOB	A	A	A	A	A	A	A	A	A	A
SANISHA KG	A	A	A	A	A	A	A	A	A	A
SREELAKSHMI C K	A	A	A	A	A	A	A	A	A	A
SUSAN MONCY	A	A	A	A	A	A	A	A	A	A
VRINDHA S RAJ	A	A	A	A	A	A	A	A	A	A

H.O.D.  
P.G. DEPT. OF PHYSICS  
D. J. SONS  
K. J. SONS  
K. J. SONS

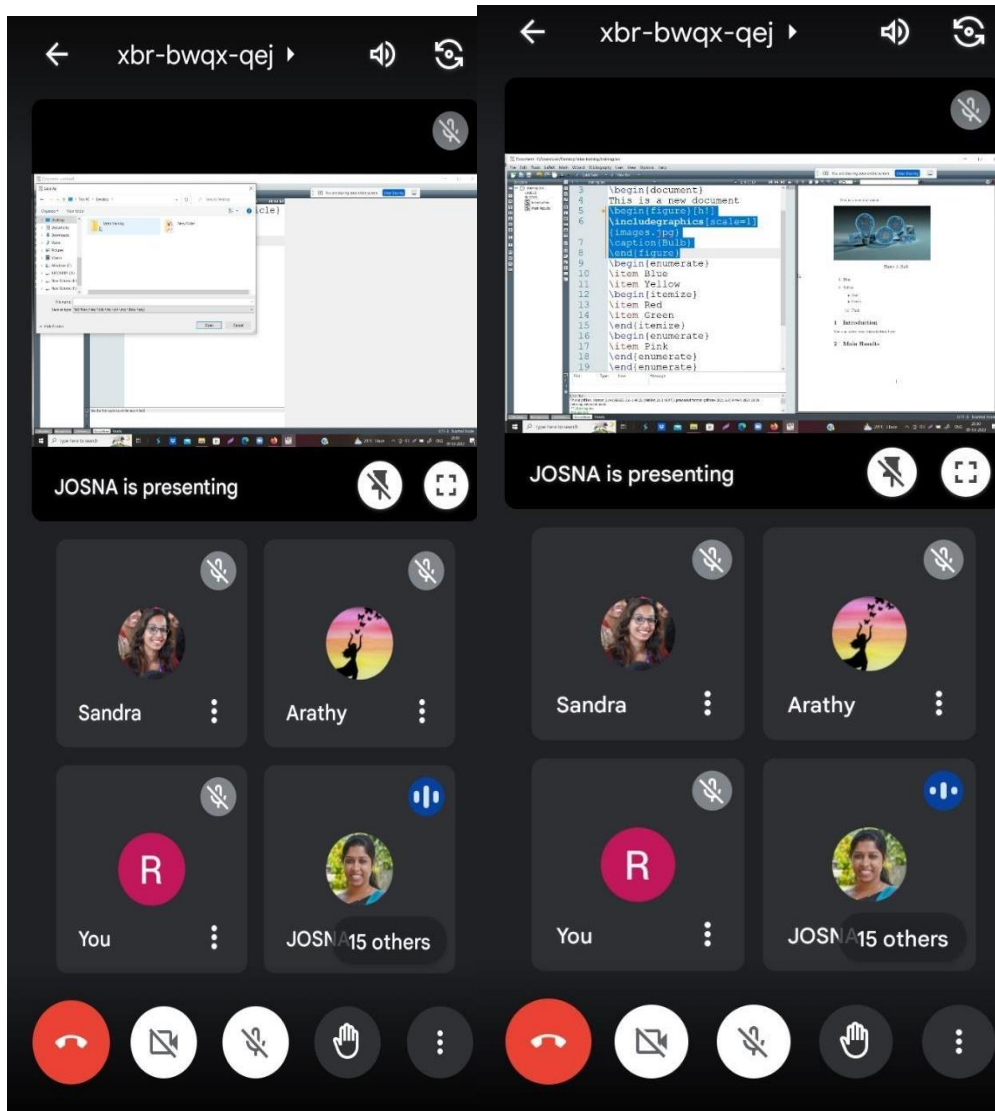


M.Sc PHYSICS ADD-ON COURSE : ATTENDANCE (II PG 2022-23)

Name of the student	14-1-23 4-5pm	14-1-23 6-7pm	16-1-23	17-1-23	18-1-23	19-1-23 9-10am	19-1-23 5-6pm	20-1-23	21-2-23	23-1-23
ALEENA VARKEY	Al	Al	Al	Al	Al	Al	Al	Al	Al	Al
ANEETA SHAJI	Ash	Ash	Ash	Ash	Ash	Ash	Ash	Ash	Ash	Ash
ANJANA MADHU	An	An	An	An	An	An	An	An	An	An
ARATHY S NAIR	Ar	Ar	Ar	Ar	Ar	Ar	Ar	Ar	Ar	Ar
ASISH K SHAJAN	As	As	As	As	As	As	As	As	As	As
ASWINI RAJAN	Ara	Ara	Ara	Ara	Ara	Ara	Ara	Ara	Ara	Ara
DEVI SASIDHARAN	Dev	Dev	Dev	Dev	Dev	Dev	Dev	Dev	Dev	Dev
DIYA SEBASTIAN	Di	Di	Di	Di	Di	Di	Di	Di	Di	Di
JYOTHINADH V U	Jy	Jy	Jy	Jy	Jy	Jy	Jy	Jy	Jy	Jy
MIDHUN NAIR M	Mid	Mid	Mid	Mid	Mid	Mid	Mid	Mid	Mid	Mid
NEHA TOM	Neh	Neh	Neh	Neh	Neh	Neh	Neh	Neh	Neh	Neh
SANDRA JACOB	San	San	San	San	San	San	San	San	San	San
SANISHA KG	San	San	San	San	San	San	San	San	San	San
SREELAKSHMI C K	Sre	Sre	Sre	Sre	Sre	Sre	Sre	Sre	Sre	Sre
SUSAN MONCY	Sus	Sus	Sus	Sus	Sus	Sus	Sus	Sus	Sus	Sus
VRINDHA S RAJ	Vr	Vr	Vr	Vr	Vr	Vr	Vr	Vr	Vr	Vr

H.O.D.  
P.G. DEPT. OF PHYSICS  
UNIVERSITY OF CALICUT  
KALAMANGALAM

# 9. PHOTOS



## 10. MARK LIST

Sl .no		Name	Grade
1		ALEENA VARKEY	A
2		ANEETA SHAJI	A
3		ANJANA MADHU	A
4		ARATHY S NAIR	A
5		ASISH K SHAJAN	A
6		ASWINI RAJAN	A
7		DEVI SASIDHARAN	A
8		DIYA SEBASTIAN	A
9		JYOTHINADH V U	A
10		MIDHUN NAIR M	A
11		NEHA TOM	A
12		SANDRA JACOB	A
13		SANISHA K G	A
14		SREELAKSHMI C K	A
15		SUSAN MONCY	A
16		VRINDHA S RAJ	A

## 11. FEEDBACK

Name	E-Mail	what percentage of the information was new to you?	Rate the speaker's knowledge about the topic	Please rate the speaker's presentation skill	Overall session evaluation
SANDRA JACOB	sandrababychurathil@gmail.com	100%	Excellent	Excellent	Excellent
Susan Moncy	susanmoncy98@gmail.com	100%	Good	Good	Excellent
SANISH A K G	sanishashaz@gmail.com	100%	Excellent	Excellent	Good
ASWINI RAJAN	aswinirajan99@gmail.com	100%	Excellent	Excellent	Excellent
Diya sebastian	diyasebastian@gmail.com	75%	Excellent	Excellent	Excellent
Jyothinadh V U	jyothinadh10123@gmail.com	75%	Excellent	Excellent	Excellent
Asish K Shajan	asishkshajan007@gmail.com	100%	Excellent	Excellent	Excellent
Aneeta Shaji	aneetashaji2000@gmail.com	100%	Excellent	Excellent	Excellent
Aleena Varkey	aleenavarkey44@gmail.com	100%	Excellent	Excellent	Excellent
Vrindha S Raj	vrindhasraj7546@gmail.com	75%	Good	Excellent	Excellent
SREELA KSHMI CK	sreevnair07@gmail.com	50%	Excellent	Excellent	Excellent
Anjana Madhu	anjanamadhu107@gmail.com	100%	Excellent	Excellent	Excellent
Neha Tom	nehatom2000@gmail.com	75%	Excellent	Excellent	Excellent
ARATHY S NAIR	arathysnair2016@gmail.com	75%	Excellent	Excellent	Excellent
Devi Sasidharan	devisindhusasidharan@gmail.com	75%	Excellent	Excellent	Excellent

## 12. MODEL CERTIFICATE



**DEVA MATHA COLLEGE KURAVILANGAD**  
Re-Accredited with 'A' Grade (CGPA 3.23) by NAAC in 2017  
Affiliated to Mahatma Gandhi University, Kottayam  
Website: [www.devamatha.ac.in](http://www.devamatha.ac.in), E-Mail: [principaldmck@gmail.com](mailto:principaldmck@gmail.com)

**Certificate**

This is to certify that **Aleena Varkey** has successfully completed the Add-on Programme titled **Basic LATEX (DMCK/SFPHY/AD 29/2022)** conducted by the Department of PG Physics (SF), Deva Matha College Kuravilangad during the academic year 2022-23 with 'A' grade.

Certificate No: 986

Kuravilangad  
...../...../20.....  
Programme Co-ordinator

.....  
General Co-ordinator

**Dr. Sunil C. Mathew**  
Principal

*Dr. Brincy Mathew*

**Roselin George**

**P G Department of Physics(SF)  
Deva Mattha College, Kuravilangad**

*Dr. Brincy Mathew*

**Dr. Brincy Mathew**  
Add-on Course General Coordinator



*Dr. Sunil C. Mathew*  
Principal  
Deva Matha College  
Kuravilangad - 686 633