

Goa University

Mathematics Discipline, School of Physical and Applied Sciences Report on

"Five Day Workshop on LaTeX Type Setting in Mathematics"

1. Title of the Event/Activity/program	Five Day Workshop on LaTeX Type Setting in Mathematics
2. Date and Time	October 23-28, 2023
3. Mode of conduct (Physical/Online)	Physical
4. School/ Directorate/ Section	School of Physical and Applied Sciences
5. Collaborating Agency/School/Directorate	Nil
6. Detail of the Resource Person (Brief biodata)	Dr. Narayan Vetrekar (Electronics Discipline), Dr. Bhargav K. Alavani (Physics Discipline), Mr. Brandon Fernandes (Mathematics Discipline), Dr. Jessica Fernandes e Pereira (Mathematics Discipline)
7. Number of Faculty attended/participated	Nil
8. Number of Student attended / participated	34
9. No. of external students/faculty/other participants	Nil
10. The objectives of the Program/activity/event	Objective of the Workshop was to give hands- on-training to M.Sc. (Part II) Mathematics Students in LaTeX typesetting software. Specially to prepare presentations in beamer in

	LaTEX and to be able to type their M.Sc. dissertation in Latex.
11. Description of the Program/activity/event	The program was organised by the Mathematics Discipline of the School of Physical and Applied Sciences so as to enable the Part II students of M.Sc. Mathematics to be comfortable enough to type their dissertation in LaTeX as it is a very useful tool for type setting in Mathematics. The Program was designed in such a way that students would get enough practical experience with which they will be confident in using LaTeX on the go.
12. Benefit/Key outcomes of the Program/activity/event	The students who did not have access to personal Laptops were provided with desktops to perform the practical component of the Workshop. At the end of each day a tutorial sheet was made available to the students in google Classroom that was created for the purpose and the students were expected to submit the assigned in the google classroom. The Resource Persons were well experienced in using LaTeX and the students took benefit of it by interacting actively in the sessions. The Workshop ended well with good feedback from the participants.
13. Enclosures with report	Timetable of the Workshop, Attendance of the students and Geo-tagged photographs

Signature:

Signature: Mame of coordinator:

Dr. Jessica Fernandes e Pereira

Designation: Assistant Professor

Signature:

Committee Member: Mr. Brandon Fernandes

Designation: Assistant Professor

Date: Nov 06, 2023

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Seal of the School/Directorate/University

Time Table for LaTeX Workshop (Oct 23-28, 2023)

<u>Resource Persons</u>: Dr. Aruna Govada, Dr. Narayan Vetrekar, Dr. Bhargav K. Alavani, Mr. Brandon Fernandes &

Dr. Jessica Fernandes e Pereira

Time	23rd 27th					
10:30 - 10:45		Tea				
10:45 - 12:45	ntroduction, Installation, Overleaf, Latex Draw Document class{exam}, Creating a mathematics question paper. (Brandon)					
12:45 - 1:15	Lunch					
1:15 – 3:15	Document types, packages, Basic Mathematical typesetting (Brandon)	Document class{book}, typesetting of dissertation, templates (Narayan)				
3:15 - 3:30	Tea					
3:30 - 5:30	Assignment/Tutorial/Practical					

Time	25th	26th	28th		
9:30 - 10:30	Listing (enumerate,	Insert logo,	Document class{article}		
	itemize, horizontal list	background, front	revisited, Title page		
	etc), Creating	page, TOC, change	(affiliation, contact details),		
	bibliography, etc.	colour, etc (Jessica)	abstract, keywords,		
	(Brandon)		(Jessica)		
10:30 - 10:45		Tea			
10:45 - 12:45	Document	Document	Writing Algorithms in Latex		
	class{article}, section,	class{beamer}, beamer	(Aruna)(Online)		
	subsection, insert	themes (Bhargav)			
	tables, merge cells,				
	split cells, etc. (Jessica)				
12:45 - 1:15		Lunch			
1:15 - 3:15	Draw and Insert figure,	Prepare a Presentation	Miscellaneous (Brandon)		
	caption. Export and	and a Poster using			
	import figure as eps	Beamer (Jessica)			
	from Latex draw,				
	justify text, include				
	references. (Jessica)				
3:15 - 3:30		Tea			
3:30 - 4:30	Assignment/Tutorial/Practical				

Venue: Laboratory V Computational Physics

Program Director:

Coordinator:

Committee Member:

Dr. M. Tamba

Dr. Jessica Fernandes e Pereira

Mr. Brandon Fernandes

Assistant Professor

Assistant Professor

Mathematics (SPAS)

Mathematics (SPAS)

Assistant Professor

Mathematics (SPAS)

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Goa University Mathematics Discipline School of Physical and Applied Sciences Attendance of LaTeX workshop (October 23-28, 2023)

Sr. No.	Name	23-10-2023	25-10-2023	26-10-2023	27-10-2023	28-10-2023	
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7	Swizle Gomes	Baruss	Gones	Gorns	Gones	Sjones	-
8	Netravati Demappa Vantamuri	Manti	Marti	Belanti	Danti	Mante	la construction
9	Caridi Lourdes Pereira	Voice	Evera	quein	Kuevia	Queira	
10	Saish Kanolkar	\$	8	AB	\$	8	V
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18	Maithili Mahadev Khandekar	Mo	A STATE OF THE PARTY OF THE PAR	When the second	The second second	10	Leaven
19	Adan fernandes	A		AB	4	#	L
20	Anuja Anil Naik	Anik.	mail.	AB	Anait.	Anaix	Lorenza
21	Clarisa Sarina Gonsalves	Gonales.	Gonsoling	Govalues.	Gonalisa	Gonabes	Lamore
22	PRANITA RAVI KHANOLKAR	hourte	AB	AB	Ab	AB.	X
23	Samrudhi Uday Vaigankar	Paigankas	AB	AB	Ab.	AB	X
24	Megan Darlene Mascarenhas	AB.	AB	AB	Das	Alos	X
	Gauri Surendra	Georgia	AB	AB	Ab.	AB	X
25 26	Narvekar Aryaa Rege	Arege	Alege	AARege	Appear	AAROGE	

Sr. No.	Name	23-10-2023	25-10-2023	26-10-2023	27-10-2023	28-10-2023
27	Chetali Damodar Naik	123-10-2023	23-10-2023	AG	Ab	AB
28	Shivani Devanand Narvekar	Mound	AB	AB	AB	AB
29	Kritali matonkar	Bulalle	AB	AB	146	AB
30	Eliseus Moraes	Morros	Horas	Morne	Dones	Norues
31	Pallavi Uttam Naik Bhavana Vinod	Maike	stake.	Haile?	laite.	Heiler
32	Khedekar	Muddle	AB .	AB	Ab	AB
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