



**HARMAL PANCHAKROSHI SHIKSHAN MANDAL'S  
GANPAT PARSEKAR COLLEGE OF EDUCATION  
Vidya Sankul, Bhom Plateau, Harmal, Pernem – Goa 403 524  
(Affiliated to Goa University, Recognised by NCTE)**



**One-Day Hands-On Workshop on the Typesetting Software  
“LaTeX”**

HARMAL PANCHAKROSHI SHIKSHAN MANDAL'S  
**GANPAT PARSEKAR**  
**COLLEGE OF EDUCATION**

HARMAL, PERNEM - GOA



**Department of Mathematics**

organises

**A One-Day hands-on workshop on the Typesetting software**

**LATEX**

**FRIDAY, 14TH OCTOBER 2022**

**9:30 AM TO 04:30 PM**

## **ABOUT**

### **LaTeX**

LaTeX is a high-quality typesetting system used to create typographically sophisticated scientific documents dealing with Mathematics, Physics, Economics, Computer Science, and many other areas. It offers programmable desktop publishing features like cross-referencing tables and figures, chapter and section headings, graphics, indexing, page layouts, etc. along with features enabling mathematical typing using scientific notations. LaTeX is also widely used in academia for the communication and publication of research papers in various fields.

## **HIGHLIGHTS**

### **OF THE WORKSHOP**

This workshop will provide a hands-on experience with LaTeX typesetting packages which will prove extremely beneficial to UG and PG students having a background in Mathematics and Physics. The following aspects shall be highlighted:

- Introduction to LaTeX packages, creating and structuring the document
- Mathematical symbols, equations, list environments, graphics and labels
- Theorems & other environments, table of contents, etc.
- Creating Beamer Presentations
- Question Paper Setting

## **RESOURCE**

### **PERSON**

Asst. Prof. Gajanan Parab  
Department of Mathematics  
St. Xavier's College of Arts, Science  
and Commerce - Mapusa, Goa

# DETAILED SCHEDULE OF THE PROGRAMME

## MORNING SESSION

9.30 AM - 10.00 AM	Formal Function
10.00 AM - 10.30 AM	Introduction to LaTeX and its Packages
10.30 AM - 11.15 AM	Typing Mathematical Equations and inserting symbols
11.15 AM - 11.30 AM	Tea Break
11.30 AM - 12.15 PM	Inserting Graphics and Tables
12.15 PM - 01.00 PM	Question Paper Setting
01.00 PM - 02.00 PM	Lunch Break

## AFTERNOON SESSION

02.00 PM - 03.30 PM	Essentials in Preparation of Project Reports
03.30 PM - 04.00 PM	Beamer Presentation
04.00 PM - 04.30 PM	Valedictory Function

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Harmal Goa

No. 188

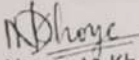
Date: 12/10/2022

NOTICE

All the concerned teachers are hereby informed that the following students will be attending one day workshop on the Typesetting software "LaTeX" organized by Department of Mathematics in the college premises on Friday 14<sup>th</sup> October 2022 from 9.30 a.m. to 4.30 p.m.


Names of the students are as follows

Sr. No.	Roll No	Name of student	Class
1	20GPCOES02	Ritika Chodankar	T.Y.B.Sc.B.Ed.(Mathematics)
2	20GPCOES03	Pranjal Fadte	T.Y.B.Sc.B.Ed.(Mathematics)
3	20GPCOES04	Sasha Fernandes	T.Y.B.Sc.B.Ed.(Mathematics)
4	20GPCOES06	Rutika Gadekar	T.Y.B.Sc.B.Ed.(Mathematics)
5	20GPCOES08	Siya Gojekar	T.Y.B.Sc.B.Ed.(Mathematics)
6	20GPCOES10	Aryan Kavthankar	T.Y.B.Sc.B.Ed.(Mathematics)
7	20GPCOES11	Kanak Konadkar	T.Y.B.Sc.B.Ed.(Mathematics)
8	20GPCOES15	Monal Nagvenkar	T.Y.B.Sc.B.Ed.(Mathematics)
9	20GPCOES16	Vandana Naik	T.Y.B.Sc.B.Ed.(Mathematics)
10	20GPCOES21	Ruchita Rao	T.Y.B.Sc.B.Ed.(Mathematics)
11	20GPCOES22	Shyam Velip	T.Y.B.Sc.B.Ed.(Mathematics)
12	19GPCOES01	Shreyash Dalvi	Fo.Y.B.Sc.B.Ed.(Mathematics)
13	19GPCOES04	Akash Desai	Fo.Y.B.Sc.B.Ed.(Mathematics)
14	19GPCOES05	Madar Desai	Fo.Y.B.Sc.B.Ed.(Mathematics)
15	19GPCOES06	Shreya Dessai	Fo.Y.B.Sc.B.Ed.(Mathematics)
16	19GPCOES08	Yoganda Ghatwal	Fo.Y.B.Sc.B.Ed.(Mathematics)
17	19GPCOES09	Swizel George	Fo.Y.B.Sc.B.Ed.(Mathematics)
18	19GPCOES10	Gandhali Kambli	Fo.Y.B.Sc.B.Ed.(Mathematics)
19	19GPCOES14	Sonal Naik	Fo.Y.B.Sc.B.Ed.(Mathematics)
20	19GPCOES15	Tejal Naik	Fo.Y.B.Sc.B.Ed.(Mathematics)
21	19GPCOES16	Soham Parsekar	Fo.Y.B.Sc.B.Ed.(Mathematics)
22	19GPCOES17	Ashwita Pereira	Fo.Y.B.Sc.B.Ed.(Mathematics)
23	19GPCOES18	Tanaya Rane	Fo.Y.B.Sc.B.Ed.(Mathematics)
24	19GPCOES19	Vibha Salgaonkar	Fo.Y.B.Sc.B.Ed.(Mathematics)

  
Ms Namrata Khorje

Incharge

Department of Mathematics

  
(Mr. Udesch Natekar)

Principal

Harmal Panchakroshi Shikshan Mandal's  
**Ganpat Parsekar College of Education**

Harmal, Pernem – Goa

(Affiliated to Goa University, Recognised by NCTE)

**Schedule for the One-Day Workshop on the typesetting software**  
**“LaTeX”**

<b>Formal Function</b>	
09.30 AM - 09.35 AM	Formal Welcome and Lighting of the Lamp
09.35 AM - 09.45 AM	Introduction and Floral Welcome
09.45 AM - 09.50 AM	Welcome Note by Principal
09.50 AM –10.00 AM	Hon. Chairman's Address
<b>Morning Session</b>	
10.00 AM - 10.30 AM	Introduction to LaTeX and its Packages
10.30 AM - 11.15 AM	Typing Mathematical Equations and inserting symbols
11.15 AM - 11.30 AM	Tea Break
11.30 AM - 12.15 PM	Inserting Graphics and Tables
12.15 PM - 01.00 PM	Question Paper Setting
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<b>Afternoon Session</b>	
02.00 PM - 03.30 PM	Essentials in Preparation of Project Reports
03.30 PM - 04.00 PM	Beamer Presentation
04:00 PM – 04:30 PM	Valedictory Function

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**REPORT**

**Type of the event:** One-Day Hands-On workshop on the typesetting software "LaTeX"

**Date:** 14<sup>th</sup> October 2022

**Mode:** Offline Mode

**Venue:** Library, Ganpat Parsekar College of Education, Harmal-Goa

**Time:** 9.30 a.m. to 4.30 p.m.

**Objectives of the Event:**

- To prepare well formatted scientific documents specifically involving use of mathematical equations, symbols and figures.
- To showcase advantages of LaTeX over MS-word and other word processing softwares.

**Participants registered for the event:**

Mathematics students of T.Y.B.Sc.B.Ed. and Fo.Y.B.Sc.B.Ed. of GPCOE

**Organizing body:** Department of Mathematics

**Members of the Organizing body:**

Sr.No.	Name
1	Ms. Namrata Khorje (Coordinator-Department of Mathematics)
2	Mr. Suraj Parmekar(Member)
3	Ms. Winita Rawool (Member)

**More details of the event:**

A one-day hands-on workshop on the typesetting software "LaTeX" was organized by Department of Mathematics. Mr. Gajanan Parab, Assistant Professor in Mathematics, St. Xavier's College – Mapusa was the resource person. The Program began with the introduction and floral welcome of the dignitaries by Mr. Suraj Parmekar, Assistant Professor in Mathematics followed by the welcome note by Principal Mr. Udesb Natekar and Chairman Mr. Laxmikant Parsekar's address to the gathering. A token of gratitude was also presented by Chairman to the resource person Mr. Gajanan Parab.

The following topics were covered in the morning session:

- Introduction to LaTeX and its packages.
- Typing of Mathematical equations and insertion of symbols
- Inserting graphics and tables.

In the afternoon session, the following topics were covered:

- Essentials in preparation of Project report
- Beamer presentation
- Setting question papers using LaTeX

The workshop concluded with sharing of experiences by few students and suggestions by resource person. Ms. Namrata Khorje, Department in-charge proposed the vote of thanks.

**Attached**

Brochure and Photographs of the session







GPS Map Camera  
North Goa, GA, India  
Pernem, North Goa, 403524, GA, India  
Lat 15.694856, Long 73.722929  
10/14/2022 11:14 AM GMT+05:30



GPS Map Camera  
North Goa, GA, India  
Pernem, North Goa, 403524, GA, India  
Lat 15.694910, Long 73.722781  
10/14/2022 04:39 PM GMT+05:30



*N. Khorje*

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Ms. Namrata Khorje  
In-charge  
Department of Mathematics

*U. Natekar*

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Mr. Udesb Natekar  
Principal



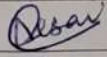

## Ganpat Parsekar College of Education

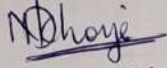
Harmal, Pernem - Goa

Department of Mathematics

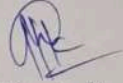
One-Day Workshop on the typesetting software "LaTeX"Date: 14<sup>th</sup> October 2022Venue: college LibraryAttendance Sheet

S.No.	Name	Roll No.	Signature
1	Aryan B. Kavthankar	20GPCOES10	Akavthankar
2.	Monal L. Nagvenkar	20GPCOES15	MNagvenkar
3.	Ruchita R. Rao	20GPCOES21	<del>Rao</del>
4.	Ritika R. Chodankar	20GPCOES02	RChodankar
5.	Vandana Naik	20GPCOES16	VNaik
6.	Shyam Velip	20GPCOES22	SVelip
7.	Siya S. Gogekar.	20GPCOES08	SGogekar
8.	Priyanshu L. Fante	20GPCOES03	PFante
9.	Sasha Fernandes	20GPCOES04	SFernandes
10.	Rutika G. Gadekar	20GPCOES06	RGadekar
11.	Kanak Konarkar	20GPCOES11	KKonarkar
12.	Grandhali. Kambli.	19GPCOES10	GKambli
13	Yoganda Y. Ghatwal	19GPCOES08	YGhatwal
14	ASHWITA PEREIRA	19GPCOES17	APereira
15	TEJAL NAIK	19GPCOES15	TNaik
16	SONAL S. NAIK	19GPCOES14	SNaik
17.	VIBHA K. SALGAONKAR	19GPCOES19	VSalgaonkar
18	MADAR DESAI	19GPCOES05	MDesai
19	SHREYA U. DESSAI	19GPCOES06	SDesai
20.	Shreyash U. Dalvi	19GPCOES01	SDalvi
21.	SOHAM PARSEKAR	19GPCOES16	SParsekar
22.	Swizel Jorge	19GPCOES09	SJorge

S.No.	Name	Roll No.	Signature
23.	Atarh Jaisi	19GPCOES04	
24.	Tanaya Rane	19GPCOES18	



Ms. Namrata Khorje  
Event Coordinator



Mr. Udesb Natekar  
Principal

**HPSM's**  
**Ganpat Parsekar College of Education**  
**Harmal - Pernem**

**Certificate of Participation**

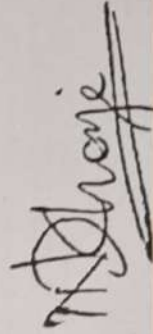
This is to certify that

\_\_\_\_\_

of T.Y. B.Sc. B.Ed. has participated in the one-day hands-on workshop on the typesetting software 'LaTeX' organized by the Department of Mathematics on 14th October 2022.



\_\_\_\_\_  
**Mr. Udesch Natekar**  
Principal



\_\_\_\_\_  
**Ms. Namrata Khorje**  
Event Coordinator

### FEEDBACK ANALYSIS

The information given / skills taught were relevant and useful <b>Ref. Note:1</b>	The workshop was well-organised <b>Ref. Note:2</b>	The resource person's delivery was clear and understandable <b>Ref. Note:3</b>	I would be interested in learning more about LaTeX and its other applications <b>Ref. Note:4</b>	Your Experience in Brief
5	5	5	5	It was a great experience. I learnt something new which I was not aware before. Definitely I will the knowledge shared by Sir Gajanan Parab in my future life. It was a very useful and interesting workshop. I learnt as well as I enjoyed.
5	5	5	5	The workshop was very interesting and informative. Got to learn many new things .my experience was very good
5	5	5	5	The workshop generated my interest in learning this software and using it well.
5	5	4	5	It was a well organized workshop altogether. The content was comprehensive and we had an opportunity to apply in the moment which is so important. I learned a lot, and as a future teacher I'm excited to implement these concept in the upcoming years.
5	4	4	4	The workshop was good.. but i think workshop should be continue for more four or five days
5	5	4	5	It was very useful but at last sir went fast and that time i got confused resh workshop was interesting
5	5	5	4	It Was The Nice Experience For me As I Got To new Information about the Latex which was very useful in coming future. The resource person was Very Good For the Delivering the content.. he Was Kind, helpful, aslo Nicely explain Us practically. I am sure that this workshop will definitely help me In coming Future.
5	5	5	5	It was a very good experience.we learned something new which we had never seen before.This is very much helpful for us.This have been an absolutely amazing & enlightening workshop. This is a wonderful technique.Totally enjoyed and learned a lot .Thank You so much for such a great workshop.Hope their will be such more workshop.
5	5	5	5	Over all it was A good experience. Got to learn a lot of new things. Though if possible I'd prefer the workshop to be of longer duration and covering more aspects related to latex.
5	4	5	5	The session was amazing, learn many things new and I will I would learn more of LaTeX in detail by sir Gajanan Parab, because he taught us very well. Overall session was very good
5	5	5	5	Having knowledge about this software is must. This workshop was worth spending a day for. Looking forward for advanced training
5	4	5	4	Latex is something new for me and I m very interested in learning the code of latex. I learnt something new that made me very happy. Sirs explanation was very good .And thankful to sir for giving such experience.
3	4	3	4	The overall workshop was very informative and enjoyable but the content was being taught too fast and it was difficult to grasp new information at such a fast pace

5	4	4	5	Experience was very good. Got to learn about something new that might prove to be very beneficial in life. Surprisingly I was not bored despite of full day session. Teachers were very helpful. Only thing that the workshop went little faster but that was needed looking at the content that was needed to be covered in short time span.
4	4	4	4	My mind was fully engaged in learning about the use of Latex since morning and i really didn't understand how the day went. I personally like to work with such amazing apps and i would like to participate in such more workshops if organised in future.
5	4	3	5	It was really informative but I felt that sir's pace was bit fast. I ended up lagging behind.
4	4	4	5	It was a really a good experience in learning LaTeX. Atleast now i am aware of something related to this software and can use some of its applications. Overall i was happy with the workshop.
4	3	4	5	It was really a good experience . I got to learn various new typing techniques which could be used in writing my project work . But this workshop went little too fast . ...and also laptops were not working fast , so it was little difficult to understand everything at that time , this workshop could hv been more better if it was for 2 days ...so that all students can easily and slowly learn everything.
5	5	4	5	Learnt something new and helpful
4	5	4	4	Overall experience of the latex workshop was very nice. The whole experience was commendable.
5	5	5	5	It was a great experience because I have learned something new which will surely be helpful for me in the future . I would like to learn more about latex .
5	5	5	5	Great
5	5	4	4	I have learned a lot from the latex workshop
5	5	5	5	Excellent Workshop. The resource person covered the topics very nicely.
4.75	4.583333333	4.416666667	4.708333333	

**Note 1** - The information given / skills taught were relevant and useful. (1 - Strongly Disagree to 5 - Strongly Agree)

**Note 2** - The workshop was well-organised (1 - Strongly Disagree to 5 - Strongly Agree)

**Note 3** - The resource person's delivery was clear and understandable (1 - Strongly Disagree to 5 - Strongly Agree)

**Note 4** - I would be interested in learning more about LaTeX and its other applications (1 - Strongly Disagree to 5 - Strongly Agree)

**Conclusion:** The participants strongly agree that the information given / skills taught were relevant and useful and that the workshop was well-organised. They found the resource person's delivery to be clear and understandable and they expressed a great interest in learning more about LaTeX and its other applications.

**NAAC Criteria No. V / Key Indicator 5.1/ Metric No. 5.1.1**

**NAAC Criteria No. II / Key Indicator 2.4/ Metric No. 2.4.1**