



NETAJI MAHAVIDYALAYA

AFFILIATED TO THE UNIVERSITY OF BURDWAN

ESTD - 1948

ARAMBAGH * HOOGHLY * WEST BENGAL * PIN CODE - 712601

ACCREDITED (2ND CYCLE) BY NAAC

Ref. No. Aram / NM / Office / 213/2024-25

Date 14.12.2024

To
The Inspector of Colleges,
The University of Burdwan.
Rajbati, Burdwan

Subject: Request for Approval of Add-On Courses in our college

Sir,

I am writing to you for your kind approval for the introduction of the add-on course titled "LaTeX-Beamer-MathType for Technical Writing & Presentation" and "Manuscriptology & Paleography" aimed at benefiting our students.

The detailed syllabi of the courses are attached herewith for your kind perusal.

We look forward to your positive response and continued support.

Yours sincerely,


14-12-24

(Dr. B. Garai)

Vice- Principal

VICE-PRINCIPAL

Netaji Mahavidyalaya
Arambagh, Hooghly





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SL. NO	COURSE TITLE	DEPARTMENT
1	LaTeX-Beamer-MathType for Technical Writing & Presentation	PHYSICS
2	Manuscriptology & Paleography	LIBRARY
Interested students are requested to contact course coordinators at least 7days before from the date of commencement of the course Selection first comes first serve basis No course fees required		



Subject:- An add-on course on Latex.

It is notified for the information of all concerned that the Department of Physics is going to organize an add-on course on "Latex, Beamer, MathType for technical writing and presentation". The names of the instructors are given below.

- i) Dr. Somenath Jalal
- ii) Dr. Chayan Karachan Karmakar
- iii) Dr. Satyaki Kar.
- iv) Arjit Duary.

1. Binay Malekar
2. Chayan Karachan Karmakar
3. Somenath Jalal
4. Bhaskar Pandit
5. Karabi Majhi

Due to 2024 Election and NAAC visit to our Institution we could not arrange the add-on course before June-2024.



L^AT_EX-Beamer-MathType for Technical Writing & Presentation



Add-on course cum Hands-on-Training organized by **Department of Physics, Netaji Mahavidyalaya**

Duration: 16/12/2024 to 10/02/2025

About the course: Acquire the skill of high-quality typesetting for technical writing, publication of research papers, theses and book chapters with table of contents, formula, indexing, bibliography etc along with beautiful presentations skill.

QR link for registration



Course Convenor:

Dr. Binay Malakar (HoD)

Course Coordinator:

Dr. Somenath Jalal

Course Instructor(s)/Resource persons:

Dr. Satyaki Kar (Asst. Prof. Physics Dept., AKPCM, Bengai)

Dr. Avijit Duary (Asst. Prof. Dept. of Applied Mathematics, MAKAUT)

Dr. Chayan Kanchan Karmakar (Asst. Prof. Physics Dept, NMV)

Dr. Somenath Jalal (Asst. Prof. Physics Dept, NMV)

L^AT_EX- Beamer - MathType for Technical Writing & Presentation

Add-on course cum Hands-on-Training organized by
Department of Physics, Netaji Mahavidyalaya

16/12/2024 to 10/02/2025

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1 Course at a glance:

- Name of the Add on Course: **L^AT_EX- Beamer - MathType for Technical Writing & Presentation**
- Organizing Department: Physics
- Course Convenor: Dr. Binay Malakar (HoD); email: nmv.physics.hod@gmail.com)
- Course Coordinator: Dr. Somenath Jalal; email: somenath.jalal@gmail.com; Ph : 7548998481
- Duration of Course: 30 Hours
- Target Group: Students of B.Sc, Research Scholars and Faculties
- Course Commencement Date: **16 December, 2024**
- Course End Date: 10 February 2025
- Evaluation Date: 10 February 2025
- Announcement/Publication of results and distribution of certificate: **20-February, 2025**
- Resource persons:
 1. Dr. Satyaki Kar (Asst. Prof. Physics Dept., AKPCM, Bengai)
 2. Dr. Avijit Duary (Asst. Prof. Dept. of Applied Mathematics, MAKAUT)
 3. Dr. Chayan Kanchan Karmakar (Asst. Prof. Physics Dept, NMV) and
 4. Dr. Somenath Jalal (Asst. Prof. Physics Dept, NMV)
- About the Add-On Course: LaTeX is a powerful tool for typesetting documents, which is used mainly for producing scientific documents of high typographic quality. The course is designed to acquire the skill of high-quality typesetting for technical writing, publication of research papers, PhD thesis and book chapters with table of contents, formula, indexing, bibliography etc along with beautiful presentations skill. Mathtype (by Wiris) is a formula writing software which can be attached to Microsoft Office tools such as Word and Power Point to create Mathematical equations at ease. Latex Compiled documents are accepted format for submission to scientific journals, as well as many professional publishers.
- Objective of the Certificate Course: Scientific Writing Skills
- Intake Capacity : 26 (as we have 26 computers running Windows 10 in Computer Lab, Room No. 92)
- Fees: Free of Cost
- Link for registration: [Click Here](#) or go to our website url: [Add-On website](#)

2 Introduction

This add-on course cum hands on training programme titled "**L^AT_EX- Beamer - MathType for Technical Writing & Presentation**" is designed to acquire the skill of high-quality typesetting for technical writing, publication of research papers, theses and book chapters with table of contents, formula, indexing, bibliography etc along with beautiful presentations skill. mathtype is a semi software attached to Microsoft Power Point to create Mathematical equations at ease.

3 Objectives

- To help students and faculties to prepare their research articles/books in LaTeX format which is prerequisite for some research journal. The technical aesthetics of the documents is also important for technical books with lots of equations and figures.
- To provide the students the opportunity to learn beyond their syllabus.
- To provide the students the opportunity to complete different certificate courses within the one-semester time period of the regular UG programme.
- To facilitate them to extent their interest level in different areas, specially learning computer.

4 POLICY STATEMENT

- The department of Physics, Netaji Mahavidyalaya is committed to provide additional courses to students to enhance their career and job prospects.
- This add-on course is designed in accordance with the academic need for higher studies specially theoretical Physics, Mathematics and Computer Science subjects.
- College encourages its fast learners to enroll in to this add-on courses. This policy provides students an opportunity to develop their skills and achieve their career.
- The eligible students who pursue the course will be given a certificate duly signed by the Principal/Vice-Principal of Netaji Mahavidyalaya and HOD, Department of Physics, the programme coordinator and Class teacher.

5 EXECUTION OF RESPONSIBILITIES

1. HOD identifies a Physics faculty member to be the Programme coordinator.
2. HOD (himself the course convenor) and Programme coordinator along with IQAC coordinator of Netaji Mahavidyalaya will decide the amount of fees, number of students to be admitted, syllabus and duration of the course.
3. Programme coordinator should inform the students about the need and purpose of add-on courses. Fees, Syllabus and duration of the course should be informed to students/stakeholder clearly via advertisement

4. The departmental website can be used for sharing information on add-on course
5. It is the responsibility of the Programme coordinator and HOD to ensure that the course should be completed within the stipulated time. In no case the examinations of this add-on course should overlap with the internal semester exams of the College.
6. Students are responsible to attend the course and examination and should adhere to the instructions given by the Programme coordinator.

6 PROCEDURE

- Coordinator prepares the syllabus, identifies internal (Physics Department or any other Science Department of Netaji Mahavidyalaya) and external faculties and submit to HOD which may be approved in the Department meeting.
- HOD (Programme convenor) and IQAC Coordinator approves the fee structure, no of students to be admitted and general plan of the course (starting date and exam date) will be approved and/or finalized.
- Details regarding the course (syllabus, course fee, exam dates etc) are communicated to students/stakeholders by display in college website or putting some sort of advertisement in the campus.
- Google form will be issued to get the names of list of participants and it will be stored in the email id (nmv.physics.hod@gmail.com)
- The course starts adhering to the policy of Add-On Courses. **Examination will be conducted in offline/online mode and Certificates will be issued to eligible students.**
- Students with this additional skills and knowledge that are relevant to their field of study, will be motivated to take up other add-on courses organized in this college to enhance their career and job prospects.
- Feedback from students will be taken after completion of this course.

7 Syllabus of the course

1. Scientific word processing: Introduction to LaTeX, TeX and PdfLaTeX word processor, Install MikTeX in Windows-10 Operating System
2 Hours: SJ¹
2. Install Texlive in Linux OS, for example in Ubuntu, and if resources available to Unix environment such as MacOS.
2 Hours: Dr. CKK
3. Preparing a basic LaTeX file, Document classes, Preparing an input file for LaTeX, Compiling LaTeX File
2 Hours: CKK
4. LaTeX tags for creating different environments, Defining LaTeX commands and environments, Changing the type style, Symbols from other languages.
2 Hours: CKK
5. Mathtype: A primer to Microsoft Word and PPT, Some topics on writing Equations in Microsoft Word. Writing a technical document in Word.
2 Hours, AD
6. Write article, include different packages, title, section, subsection, figures, tables and array, generating table of contents,
2 Hours: CKK
7. Write article: include equations, equation array, matrix, vectors and write tensor equations, Figures, tables and array, generating table of contents.
2 Hours: SJ
8. Write book, chapter styles, header and footer, Fonts, Picture environment and colors. decoding errors.
2 Hours: SJ
9. Write book: page layout, line spacing, bibliography and citation, Making an index, List making environments.
2 Hours: SJ
10. Research article styles: documentclass, aps, prb, reprint, superscriptaddress, revtex4, title, author, affiliation, email, date
2 hours SK
11. Research article styles: abstract writing, including figures, tables etc, bibliography
2 hours SK

¹Short forms for the names are as follows: Dr. Satyaki Kar = SK; Dr. Avijit Duary = AD; Dr. Chayan Kanchan Karmakar = CKK; Dr. Somenath Jalal =SJ

12. Beamer Presentation, Frame, frame title, blocks, include pictures, columns, table and overlays, bullets, itemize, enumerate, theme change, color change.

2 hours , SJ

13. Beamer for creating poster, overview and comparison with Microsoft PPT, extra facility on writing technical term and automatic equation no and figure no table no. etc.

2 hours , SJ

14. Create figures and diagrams using tikz, creating geometry and different pictures for your article, books, report and thesis.

2 hours , SJ

15. Creating publication quality plot with title, axis label and legends using LaTeX, gnu-plot, inkscape.

2 hours , SJ

8 Learning Resources/References/Course materials

Some notes will be given during the class. Here are some books and notes available in the internet:

9 Sample Certificate

Will be attached at the end of the Course

10 Attendance

Will be attached at the end of the course. (will be kept in google form/hard copy of attendance registrar.)

11 Gallery/Event pictures

GPS tagged pictures Will be attached as we progress..

Class Routine for Add-On course
LaTeX- Beamer - MathType for Technical Writing & Presentation
 (Duration: 16.12.2024 to 10.02.2025)

Department of Physics
Netaji Mahavidyalaya

Sr. No.	Date	Time	Instructor	Signature
1	16.12.24	3:00 PM – 5:00 Pm	SJ	<i>SJ</i> 16/12/24
2	18.12.24	3:00 PM – 5:00 Pm	CKK	<i>CKK</i> 18/12/24
3	21.12.24	3:00 PM – 5:00 Pm	SJ	<i>SJ</i> 21.12.24
4	04.01.25	3:00 PM – 5:00 Pm	CKK	<i>CKK</i> 04/01/25
5	11.01.25	3:00 PM – 5:00 Pm	SJ	<i>SJ</i> 11.01.25
6	16.01.25	3:00 PM – 5:00 Pm	SK	<i>SK</i> 16.01.25
7	20.01.25	3:00 PM – 5:00 Pm	AD	<i>A. Duary</i> 20.01.25
8	22.01.25	3:00 PM – 5:00 Pm	CKK	<i>CKK</i> 22.01.25
9	25.01.25	3:00 PM – 5:00 Pm	SJ	<i>SJ</i> 25/01/25
10	27.01.25	3:00 PM – 5:00 Pm	SJ	<i>SJ</i> 27/01/25
11	29.01.25	3:00 PM – 5:00 Pm	CKK	<i>CKK</i> 29.01.25
12	03.02.25	3:00 PM – 5:00 Pm	SJ	<i>SJ</i> 05/02/25
13	04.02.25	3:00 PM – 5:00 Pm	SJ	<i>SJ</i> 06/02/25
14	06.02.25	3:00 PM – 5:00 Pm	SK	<i>SK</i> 06.02.25
15	08.02.25	3:00 PM – 5:00 Pm	SJ	<i>SJ</i> 08/02/25
Exam	10.02.25	3:00 PM – 5:00 Pm	-	

SJ=Somenath Jalal, CKK=Chayan Kanchan Karmakar, SK=Satyaki Kar, AD=Avijit Duary

Binay Malakar

Signature of Course Convener

Somenath Jalal

Signature of Course Coordinator

Attendance:-

Date - 16/12/2024

Sr. No.	Signature of Participants.	Department.
1.	Priyanka Guhhait	Physics.
2.	Sneha Parvin Khatun	Physics
3.	Sukanya Pal	Physics.
4.	Pima Nandi	Physics
5.	Disha Dey	Physics
6.	Shreya Ghosh	Computer Science
7.	Dipti Panja	Computer Science
8.	Asmita Pal	Computer Science
9.	Subarna Barua.	Computer Science
10.	Krishna Hens	Chemistry
11.	Kingshuk Dey	Physics
12.	Sudipta Chattopadhyay.	Physics
13.	Supriya Malakar	Physics
14.	Koushik Kundu	Physics
15.	Swaj Mukherjee	Physics...
16.	Souparna Santra	Physics
17.	Manu Roy.	Computer Science

Jalal
14/12/24.

Somenath Jalal.
Asst. Prof of Physics
NMV.

Date - 18.12.24

Sr. no	Signature of Participants	Department
1.	Brijita Adhikary.	computer science
2.	Asmita Pal	u.
3.	Shreya Ghosh	"
4.	Krishna Hene	Chemistry.
5.	Suraj Mukherjee	Physics - .
6.	Priyanka Guichait	Physics.
7.	Sneha Parvin khater	Physics
8.	Manu Roy	Computer Science
9.	Pritham Pal	"


18/12/24
Chayan Kanchan Karmakar
Physics.

Date - 21.12.2024.

Sr. no.	Signature of participants	Department
1.	Dipti Panja	Computer science
2.	Saigita Adhikary.	"
3.	Asmita Pal	"
4.	Subanna Hazra.	"
5.	Shreya Ghosh	"
6.	Manu Roy	Computer Science
7.	Rima Nandi	Physics
8.	Krishna Hens	Chemistry
9.	Sukanya Pal	Physics.
10.	Kingshuk Dey	Physics.
11.	Supravat Malakar	physics.
12.	Sudipta Chattopadhyay.	Physics.
13.	Koushik Kundu	Physics.

jsl.
21/12/24.

11/01/2025.

Sr. No.	Name of Students	Department
1.	Asmita Pal	computer sc.
2.	Srijita Adhikary	"
3.	Subarna Hazra.	"
4.	Krishna Hens.	chemistry
5.	Kingshuk Dey	Physics
6.	Sudipta Chattopadhyay	Physics.
7.	Koushik Kundu	Physics.
8.	Rima Nandi	"
9.	Disha Dey	"
10.	Supravat Mallick	Physics -
11.	Sukanya Pal	Physics.
12.	Souparna Santra	Physics

Somenath Jaiswal
Jaiswal
11/01/25.

Date - 16/01/2025 .

Sr. No.	Name of students	Department
1.	Kingshuk Dey	Physics
2.	Krishna Hens	Chemistry
3.	Souparna Chandra	Physics
4.	Subarna Hazra.	Computer Science.
5.	Shreya Ghosh	Computer Science
6.	Asmita Pal	Computer Science
7.	Srijita Adhikary.	Computer Science.
8.	Sudipta Chattopadhyay.	Physics.
9.	Suparna Mallick	Physics
10.	Sukanya Pal	Physics.
11.	Rima Nandi	Physics
12.	Disha Dey	Physics

55/55
16/01/25

Date-20/01/2025.

Sr. No.	Name of Participants	Department.
1.	Pradiip Kumar Dhanak.	Physics (1st Year)
2.	Sneha Parvin Khatun	Physics (1st sem)
3.	Priyanka Guuchhait	Physics (1st sem)
4.	Swraj Mukherjee	Physics (1st sem)
5.	Kingsanku Dey	Physics (3rd sem)
6.	Krishna Hens	Chemistry (3rd sem)
7.	Sukanya Pal	Physics (5th sem)
8.	Sudipta Chattopadhyay.	Physics (5th sem).

A. Dasgupta
20.01.2025

Duli
08/02/25

<u>Sr.No.</u>	<u>Name of Student</u>	<u>Department</u>
1.	Krishna Heng	Chemistry
2.	Koushik Kundu	Physics
3.	Rudipta Chattopadhyay	Physics
4.	Sukanya Pal	Physics
5.	Supranat Mallick	Physics
6.	Kingsuk Dey	Physics
7.	Artika Roy.	Physics
8.	Rima Nandi	Physics
9.	Disha Dey	Physics
10.	Smilekha Ghosh	Physics
11.	Saxada murmu	Physics
12.	Sneha Parvin Khatun	Physics
13.	Priyanka Guichhait	Physics.
14.	Shreya Ghosh	Computer Science
15.	Subarna Hazra.	Computer Science.
16.	Soujita Adhikary.	Computer Science
17.	Asmita Pal	Computer Science

Somenath Jaisl
08/02/2025.



NETAJI MAHAVIDYALAYA

Add-On Course Certificate

This is to certify that **MAYUKH NANDI** a student of **DEPARTMENT OF MATHEMATICS, SEM-VI**, has successfully completed the 30 hours Add-On course on "*LaTeX Beamer and MathType for technical writing and presentation*" conducted by Department of Physics from 16/12/2024 to 10/02/2025. He/She has passed the final examination held on 10/02/2025 with grade **A**.

Somenath Jalal.

(Dr. Somenath Jalal)
Course Coordinator

Binay Malakar

(Dr. Binay Malakar)
HOD, Department of Physics

Biswanath Garai

(Dr. Biswanath Garai)
Vice Principal

Sr. No	Email Address	Your Name	Department	Designation	Are you familiar with LaTeX/PdF LaTeX/Beamer/Mathtype etc?
1	palsukanya2003@gmail.com	SUKANYA PAL	Physics	Student	No
2	bipasa30sep@gmail.com	BIPASA SEN	CS	Teacher	No
3	sayak4086@gmail.com	Sayak Mondal	Physics	Student	No
4	souparnasantra729@gmail.com	Souparna Santra	Physics	Student	No
5	dassneha1100@gmail.com	Sneha Das	Physics	Student	No
6	kundukoushik479@gmail.com	KOUSHIK KUNDU	PHYSICS	Student	No
7	kingshukdey2004@gmail.com	KINGSHUK DEY	PHYSICS	Student	No
8	www.supravat1234@gmail.com	Supravat Malakar	Physics	Student	No
9	nandirima2003@gmail.com	Rima Nandi	Physics	Student	No
10	ddey62230@gmail.com	Disha Dey	Physics	Student	No
11	royalmantu04@gmail.com	Mantu Roy	Computer Science	Student	No
12	swadeshsarkar666@gmail.com	Swadesh sarkar	Bsc computer science	Student	No
13	csudipto566@gmail.com	Sudipta Chattopadhyay	Physics	Student	No
14	palasmio5@gmail.com	Asmita Pal	Computer science	Student	No
15	soumenhazra.uchalan@gmail.com	Subarna hazra	Computer science	Student	No
16	srijitaadhikary200@gmail.com	Srijita Adhikary	Computer science	Student	No
17	krishnahens08@gmail.com	Krishna Hens	Chemistry	Student	No
18	diptipanja589@gmail.com	Dipti Panja	Computer science	Student	No
19	sg1128712@gmail.com	Shreya Ghosh	Computer science	Student	No
20	bku.manideepa@gmail.com	Manideepa Ghosh	Mathematics	Teacher	Yes
21	ghoshshubham9775@gmail.com	Shubham Ghosh	Physics	Student	No
22	prasenjit611981@gmail.com	Prasenjit Maity	Mathematics	Student	No
23	sarkarankana2005@gmail.com	Ankana Sarkar	Mathematics	Student	No
24	asmitadeya@gmail.com	Asmita Dey	Mathematics	Student	No
25	saradamurmu88@gmail.com	Sarada Murmu	Physics	Student	No
26	bosudebmalick@gmail.com	Purbasha Malik	Mathematics	Student	No
27	surajmukherjee2022@gmail.com	Suraj Mukherjee	Physics	Student	No
28	dibyendukundu6346@gmail.com	Dibyendu Kundu	Computer Science	Student	No
29	pradipkumardhank42@gmail.com	Pradip Kumar Dhank	Physics	Student	No
30	guchhaitp583@gmail.com	Priyanka Guchhait	Department of physics	Student	No
31	serinapervin532@gmail.com	Sneha Parvin Khatun	Physics	Student	No
32	arnabpal009ap@gmail.com	Arnab Pal	Mathematics	Student	Yes
33	srilekhaghosh06@gmail.com	Srilekha ghosh	Physics department	Student	Yes
34	bhaskar.pandit1994@gmail.com	Bhaskar Pandit	Physics	Teacher	Yes
35	palpritam712601@gmail.com	Pritam Pal	Computer science 4 year	Student	No
36	hemantakumarbanerjee1965@gmail.com	ABHINANDAN BANERJEE	Mathematics	Student	No
37	ipsitabhowmik419@gmail.com	Ipsita Bhowmik	Computer science	Student	No
38	sadhukhanshreya122@gmail.com	Shreya Sadhukhan	Mathematics	Student	No
39	rimachakraborty089@gmail.com	Rima Chakraborty	Computer science	Student	No
40	royantika1@gmail.com	Antika Roy	Physics	Student	No
41	deb721232@gmail.com	Debraj roy	Mathematics	Student	No
42	mayukhnandi664@gmail.com	MAYUKH NANDI	Mathematics	Student	Yes
43	souvknandi924@gmail.com	Souvik Nandi	Physics	Student	No





