

Report on
ICT Course on LaTeX Typesetting

Academic Session: 2022-23

Duration of the Course: 20.12.2022 to 04.01.2023 (7 Days)



Organized by

Department of Mathematics
Kalyani Mahavidyalaya
Kalyani, Nadia

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Report on "ICT Course on LaTeX Typesetting"

Organized by: Department of Mathematics, Kalyani Mahavidyalaya

Duration: 20.12.2022 to 04.01.2023 (7 Days)

Overview:

The LaTeX typesetting course was a 7-day program offered by the Department of Mathematics, Kalyani Mahavidyalaya, to enrich students' academic pursuits beyond conventional university courses. The course aimed to equip students with essential skills in document preparation using LaTeX.

Course Details:

Number of participants: 43

Course duration: 20.12.2022 to 04.01.2023 (7 Days)

Faculty members: Dedicated faculty members from the Department conducted the classes

Cost: The course was provided free of cost to students

Success:

48 students enrolled and completed both theoretical and practical components

End-of-course examination held on 06.01.2023, saw all 43 students passing with distinction (A grade)

Feedback and Future Enhancements:

Student feedback will inform future iterations of the course to ensure its ongoing relevance and effectiveness. Continuous improvement is a top priority to meet students' needs.

Appreciation and Commitment:

Sincere gratitude to the college authority for providing valuable opportunities for skill enhancement and holistic development of the students.

The outcome of the Programs:

After completing the course, students will be able to use various types of computer applications to solve different problems using programming skills.

In conclusion, the "ICT Course on LaTeX Typesetting" was a resounding success, with all participants completing the course with distinction. The Department of Mathematics remains committed to offering valuable opportunities for students' skill enhancement and academic growth.



Department-In-Charge
Department of Mathematics
Kalyani Mahavidyalaya

Course Brochure

DEPARTMENT OF MATHEMATICS, KALYANI MAHAVIDYALAYA

Organizes

ICT Course on LaTeX Typesetting

LATEX

Duration:
20th December 2022
To
4th January 2023

Number of Seat: 50 (First - Cum First - Serve Basis)

Certificates will be Awarded to Registered Candidates on Successful Completion of the Courses.

Course Module

Module-01: Introduction to the course and Installation

Installation of Texmaker /TeXstudio and MikTeX, Class and packages, Latex programming and commands, sample packages, Error messages: Some sample errors, list of LaTeX error messages.

Module-02: Formatting of Output document

Fonts, symbols, indenting, paragraphs, line spacing, word spacing, titles and subtitles, Document class, page style, parts of the documents, table of contents, Command names and arguments, environments, declarations, Theorem-like declarations, comments within text.

Module-03: Mathematical formulae

Mathematical environments, math mode, mathematical symbols, Graphic package, multivalued functions, drawing matrices, Tables, tables with captions, References to figures and tables in text.

Module-04: Drawing with LaTeX

Picture environments, extended pictures, other drawing packages, Presentation using Beamer, Preparing book, project report in LaTeX.

Sl. No.	Modules	Course Outline	Required Hours
1	Module-01	Introduction to the course and Installation	8 Hours
2	Module-02	Formatting of Output document	10 Hours
3	Module-03	Mathematical Formulae	10 Hours
4	Module-04	Drawing with LaTeX	7 Hours

Course Objective:

Creation of Scientific Documents: Participants should be able to create well-structured scientific documents using LaTeX, including research papers, reports, presentations, and academic posters.

Effective Mathematical Typesetting: Participants should be able to typeset complex mathematical expressions, equations, and symbols accurately and elegantly using LaTeX's mathematical environments.

Management of Citations and Bibliographies: Participants should be able to manage citations and bibliographies effectively using BibTeX or Bib LaTeX, including citation insertion, citation styles, and bibliography customization.

Collaborative Writing and Version Control: Participants should be able to collaborate with others on LaTeX documents using online platforms such as Overleaf and manage document versions using version control systems like Git and GitHub.

Presentation and Communication Skills: Participants should be able to present their work effectively using LaTeX-generated documents, demonstrating clarity, professionalism, and adherence to academic standards.


Critical Thinking and Problem-Solving Abilities: Participants should develop critical thinking skills and problem-solving abilities through the process of learning and using LaTeX for scientific writing.

List of Participants

SEMESTER/YEAR: 3rd Semester

DATE: 20.12.2022

SL.NO.	ROLL NO.	STUDENTS NAME	SIGNATURE
1	01	Anindita Roy	Anindita Roy
2	02	Archita Das	Archita Das
3	03	Debasmita Mandal	Debasmita Mandal
4	04	Dipti Sankar	Dipti Sankar
5	05	Gargi Biswas	Gargi Biswas
6	06	Ipsita Paul	Ipsita Paul
7	07	Jaya Mondal	Jaya Mondal
8	08	Joyita Deb Nath	Joyita Deb Nath
9	09	Kankana Mallick	Kankana Mallick
10	10	Komal Yadav	Komal Yadav
11	11	Nabamita Paul	Nabamita Paul
12	12	Sitara Soha Ali	Sitara Soha Ali
13	13	Sneha Sutradhar	Sneha Sutradhar
14	15	Soumili Biswas	Soumili Biswas
15	16	Susuti Shaw	Susuti Shaw
16	17	Suagata Acharyee	Suagata Acharyee
17	18	Abash Das	Abash Das
18	19	Anah Mondal	Anah Mondal
19	20	Ankur Paul	Ankur Paul
20	21	Anup Dey	Anup Dey
21	22	Asif Al Mamun	Asif Al Mamun
22	23	Avik Karmakar	Avik Karmakar
23	24	Bishal Mohanta	Bishal Mohanta
24	25	Biswarup Sikder	Biswarup Sikder
25	26	Dipayan Mandal	Dipayan Mandal
26	36	Sagar Bhowmik	Sagar Bhowmik
27	45	Sumit Kumar Rajbhar	Sumit K. Rajbhar
28	35	Rupam Biswas	Rupam Biswas
29	37	Sagnik Sarkar	Sagnik Sarkar
30	38	Saikat Sikder	Saikat Sikder


 20/12/22
 Signature of teacher.

SEMESTER/YEAR: 3rd

DATE: 20.12.2022

cc-01, SEC 1A

SL.NO.	ROLL NO.	STUDENTS NAME	SIGNATURE
1	46	Udayan Saha	Udayan Saha
2	33	Rajdeep Ghosh	Rajdeep Ghosh.
3	43	Subinay Halder	Subinay Halder
4	34	Rathindra Nath Biswas	Rathindranath Biswas
5	32	Proloy Samajdar	Proloy Samajdar
6	30	Porobiri Biswas	Porobiri Biswas
7	48	Ash-sharfi Mondal	Ash-sharfi Mondal.
8	29	Pradyut Modak	Pradyut Modak
9	28	Kaife Shaikh	Kaife Shaikh
10	39	Shantanu Ghosh	Shantanu Ghosh.
11	47	Sudip Paul	Sudip Paul
12	42	Subhankar Mandal.	Subhankar Mandal.
13	44	Sudip Paul	Sudip Paul.
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12/22
James P. D. D. D.
20/12/22
Signature of teacher.

Some Glimpses of the Course



Academic Session: 2022-23
Name of the Event: ICT/Computing Skill
Organising Department: Mathematics



Academic Session: 2022-23
Name of the Event: ICT/Computing Skill
Organising Department: Mathematics

Sample Certificate



Kalyani Mahavidyalaya

Kalyani - 741235, Nadia, West Bengal, India

DEPARTMENT OF MATHEMATICS

ICT COURSE ON LATEX TYPSETTING
ACADEMIC SESSION 2022-23

CERTIFICATE OF COURSE COMPLETION

This is to certify that
ANINDITA ROY

of 4th Semester Mathematics Honours, Kalyani Mahavidyalaya has successfully completed the ICT Course on LaTeX
Typesetting held during 20th December 2022 to 4th January 2023.


Dr. Runu Das
Principal


Dr. Manob Kr. Ghosh
Jt. Coordinator


James Dinakaran Narjinary
Jt. Coordinator