Report on

ICT Course on LaTeX Typesetting

(Blended Mode)

Academic Session: 2021-22

Duration of the Course: 27.10.2021 to 03.11.2021 (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: 27.10.2021 to 03.11.2021 (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: 45
Course duration: 7 days (**27.10.2021 to** 03.11.2021)
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 05.11.2021, saw all 45 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

Duration:
27th October-3rd November
2021

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

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

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.
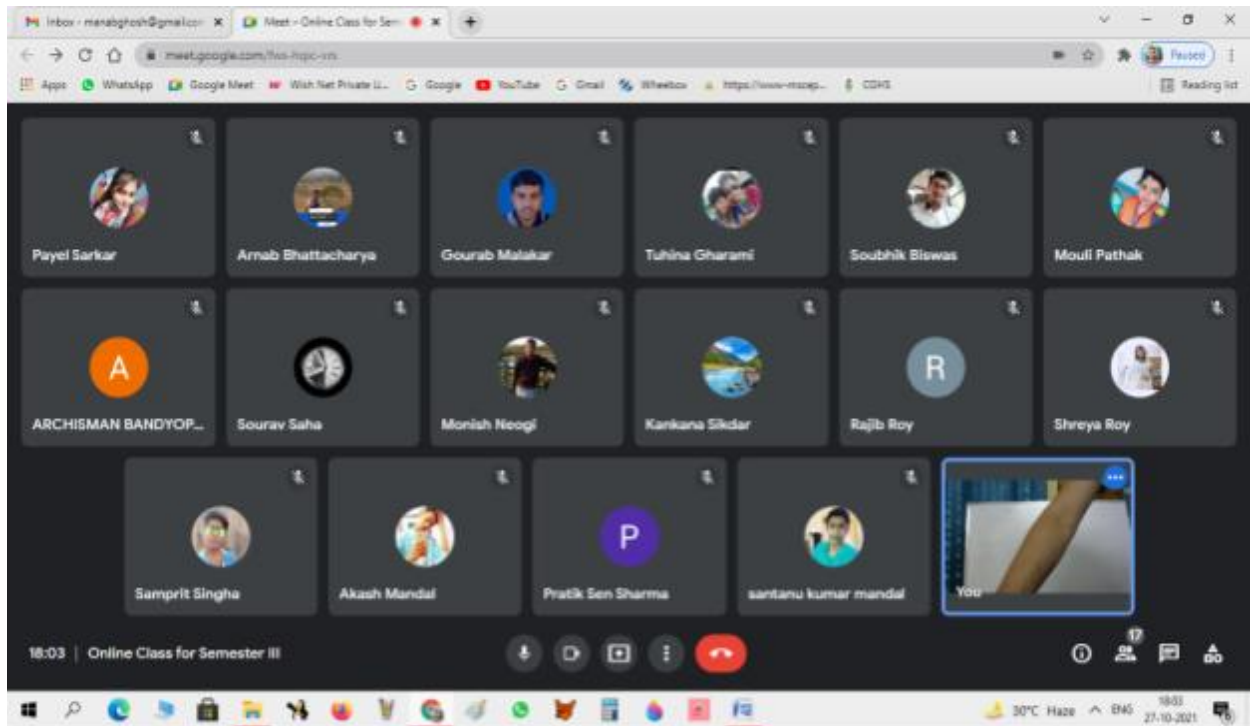
Sl No	NAME OF THE STUDENTS	Regn No	Year of Regn.
1	KANKANA SIKDAR	15580	2019-20
2	MOULI PATHAK	15582	2019-20
3	PAYEL SARKAR	15583	2019-20
4	SALMA KHATUN	15586	2019-20
5	SHREYA ROY	15589	2019-20
6	TUHINA GHARAMI	15591	2019-20
7	AKASH MANDAL	15593	2019-20
8	AMIT SARKAR	15596	2019-20
9	ANIKET DEB	15598	2019-20
10	ARCHISMAN BANDYOPADHYAY	15600	2019-20
11	ARNAB BHATTACHARYA	15602	2019-20
12	ARPAN DAS	15603	2019-20
13	BISWAJIT HALDER	15608	2019-20
14	GOURAB MALAKAR	15611	2019-20
15	JONY MONDAL	15613	2019-20
16	JOYDEEP BISWAS	15614	2019-20
17	KOUSHIK MONDAL	15615	2019-20
18	MD RAHIM BADSHA SHAIKH	15617	2019-20
19	MEHERAB MONDAL	15618	2019-20
20	MONISH NEOGI	15619	2019-20
21	OBAIDULLA MANDAL	15621	2019-20
22	PRATIK SEN SHARMA	15623	2019-20
23	PRITAM SAHA	15624	2019-20
24	RAJIB ROY	15625	2019-20
25	ROHIT MONDAL	15626	2019-20
26	SAGAR BISWAS	15629	2019-20
27	SAMIT PRAMANIK	15631	2019-20
28	SAMPRIT SINGHA	15633	2019-20
29	SANI MONDAL	15635	2019-20
30	SANTANU KUMAR MANDAL	15636	2019-20
31	SOUBHIK BISWAS	15641	2019-20
32	SOURAV BISWAS	15642	2019-20
33	SOURAV SAHA	15643	2019-20
34	OINDRILA SAHA	35715	2019-20
35	ANKITA ACHARJEE	016865	2020-21
36	ANKITA PAL	016866	2020-21

37	KHUSHI SINHA	016867	2020-21
38	MAM AKTAR	016868	2020-21
39	NEHA YADAV	016869	2020-21
40	NIKITA MAJUMDER	016870	2020-21
41	PAMMI SHAW	016871	2020-21
42	RATNASREE GHOSH	016872	2020-21
43	RIYA SHAW	016873	2020-21
44	SAMIMA SULTANA	016875	2020-21
45	SNEHA HALDER	081167	2020-21

Some Glimpses of the Course

Kalyani Mahavidyalaya

Kalyani - 741235, Nadia, West Bengal, India

DEPARTMENT OF MATHEMATICS

ICT COURSE ON LATEX TYPESETTING
ACADEMIC SESSION 2021-22

CERTIFICATE OF COURSE COMPLETION

This is to certify that

KANKANA SIKDAR

of **6th** Semester Mathematics Honours, Kalyani Mahavidyalaya has successfully completed the **ICT Course on LaTeX Typesetting** held during 27th October 2021 to 3rd November 2021.

Dr. Runu Das
Principal

Dr. Manob Kr. Ghosh
Jt. Coordinator

James Dinakaran Narjinary
Jt. Coordinator