Report on

ICT Course on LaTeX Typesetting

(Blended Mode)

Academic Session: 2020-21

Duration of the Course: 11.12.2020 to 17.12.2020 (7 Days)

Organized by

Department of Mathematics
Kalyani Mahavidyalaya
Kalyani, Nadia

Table of Content

Sl No	Items
1	Report of the Course at a Glance
2	Course Brochure
3	Course Module and Course Objective
4	Participant List
5	Glimpse of the Course (Photo)
6	Sample Certificate of the Course

Report on "ICT Course on LaTeX Typesetting"

Organized by: Department of Mathematics, Kalyani Mahavidyalaya
Duration: December 11-17, 2020

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: 48
Course duration: 7 days (December 11-17, 2020)
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 December 20, 2020, saw all 47 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

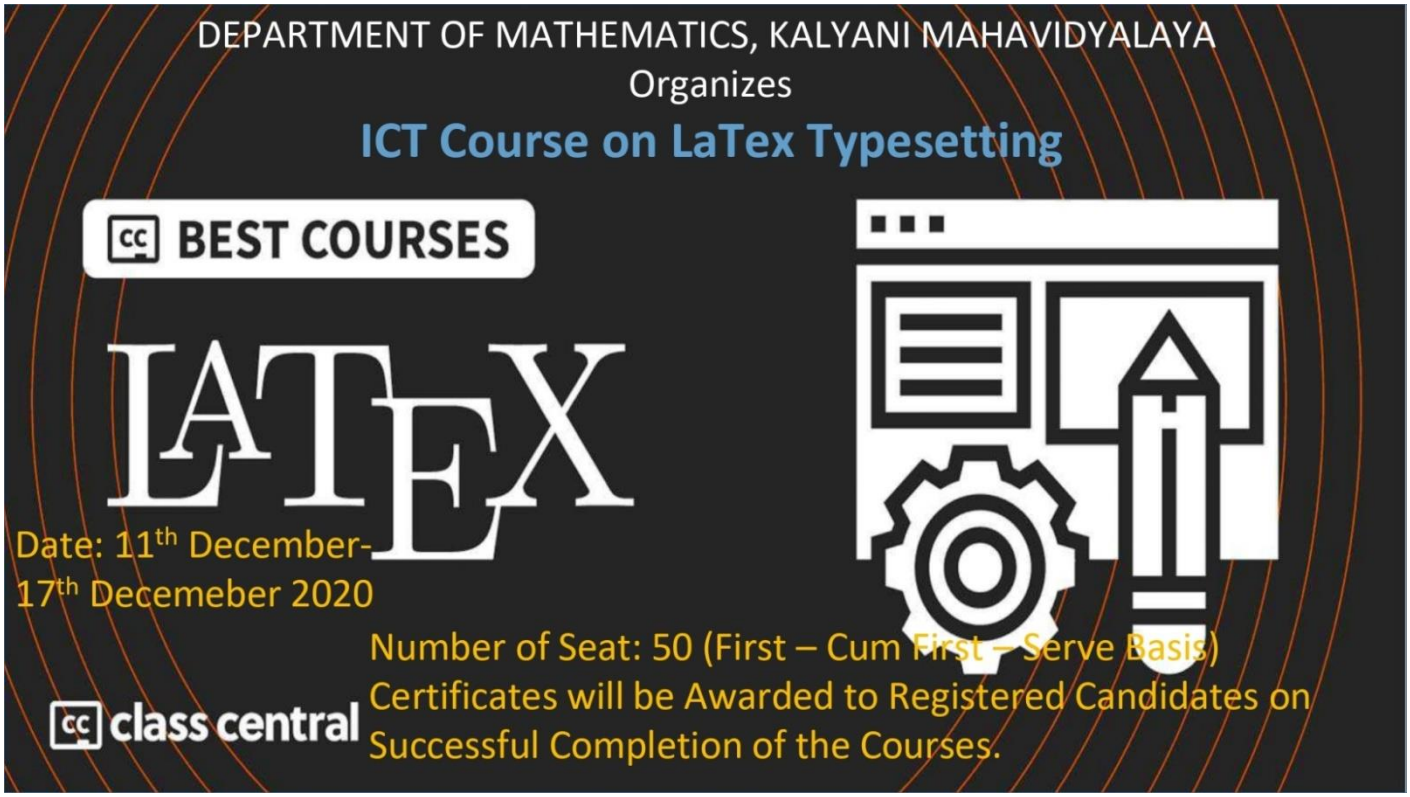
Appreciation and Commitment:
Sincere gratitude to the college authority for providing valuable opportunities for skill enhancement and holistic development of the students.

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



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.

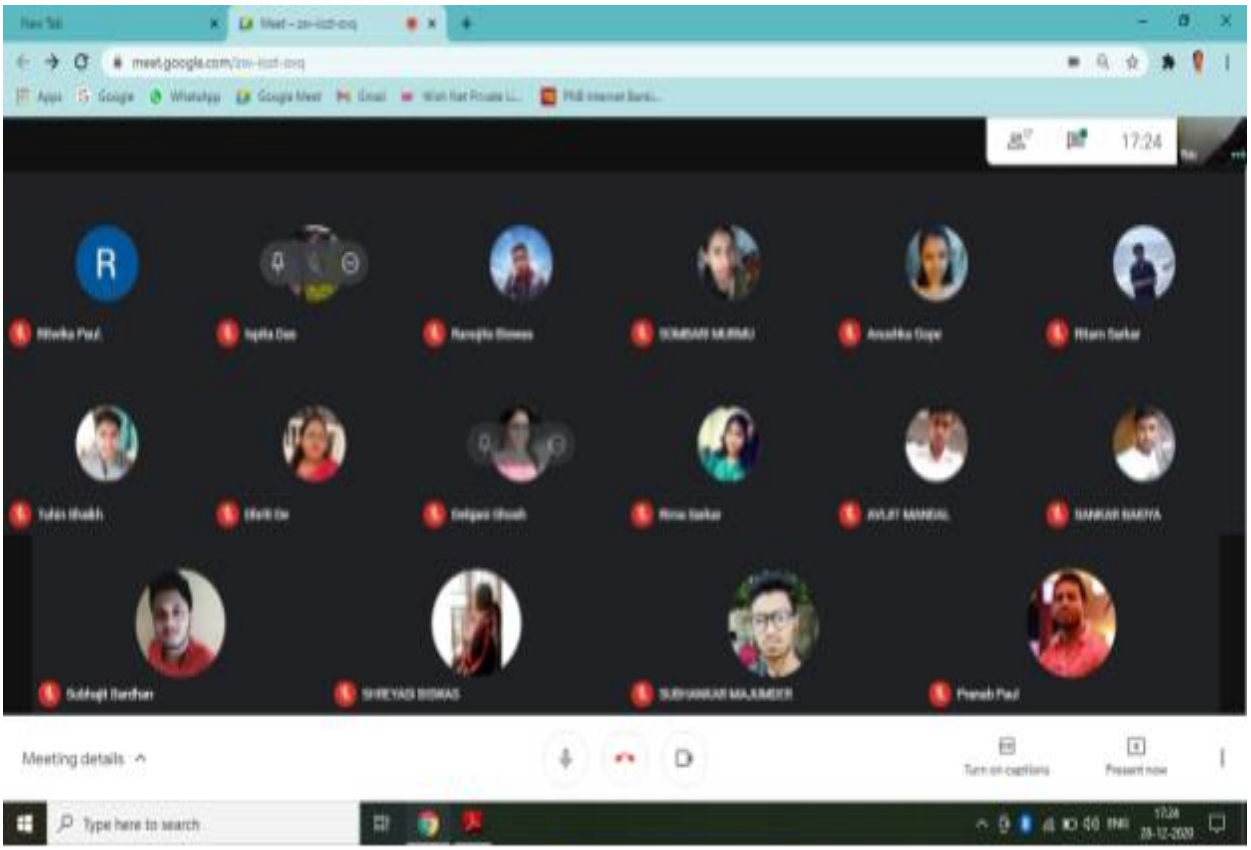
Critical Thinking and Problem-Solving Abilities: Participants should develop critical thinking skills and problem-solving abilities through the process of learning and using LaTeX for scientific writing.

List of Participants

Sl No	NAME OF THE STUDENTS	Regn No	Year of Regn.
1	ANKITA BHATTACHARYA	015586	2018-19
2	ANUSHKA GOPE	015587	2018-19
3	APARNA SIKDAR	015588	2018-19
4	DEBIPRIYA PAUL	015589	2018-19
5	DEBJANI GHOSH	015590	2018-19
6	DHRITI DE	015591	2018-19
7	ISPITA DAS	015592	2018-19
8	MOUMITA PAUL	015593	2018-19
9	PIYASHA PAUL	015594	2018-19
10	RIMA SARKAR	015595	2018-19
11	RIMI DURLAV	015596	2018-19
12	RITWIKA PAUL	015597	2018-19
13	RIYA DAS	015598	2018-19
14	RUBINA MONDAL	015599	2018-19
15	SHREYASI BISWAS	015602	2018-19
16	SOMBARI MURMU	015603	2018-19
17	SOUMILI SEN	015604	2018-19
18	SUSHMITA ROY	015605	2018-19
19	TARDEJ TUDU	015607	2018-19
20	AJAY BOSE	015608	2018-19
21	ANJAN BISWAS	015609	2018-19
22	AVIJIT MANDAL	015610	2018-19
23	AVIK DEBNATH	015611	2018-19
24	AYAN PAUL	015612	2018-19
25	AYANAVA SARKAR	015613	2018-19
26	BIKRAM BISWAS	015614	2018-19
27	DEBAJYOTI GHOSH	015615	2018-19
28	DHIMAN SAHA	015616	2018-19
29	JOYDEB SARKAR	015617	2018-19

30	MANISH MONDAL	015618	2018-19
31	MURSHID SK	015619	2018-19
32	NILADRI GHOSH	015621	2018-19
33	NOOR ALAM	015622	2018-19
34	PRANAB PAUL	015624	2018-19
35	PRINCE SARKAR	015625	2018-19
36	RAHUL CHATTERJEE	015627	2018-19
37	RAMKRISHNA MAITI	015628	2018-19
38	RANOJITE BISWAS	015629	2018-19
39	RITAM SARKAR	015630	2018-19
40	RITTICK DAS	015631	2018-19
41	SAGAR MISTRI	015632	2018-19
42	SAJAL MAJUMDER	015634	2018-19
43	SANJU GHOSH	015635	2018-19
44	SANKAR BAIDYA	015636	2018-19
45	SAPTARSHI DEY	015637	2018-19
46	SOUMYADIP BISWAS	015641	2018-19
47	SUBHAJIT BARDHAN	015642	2018-19
48	SUBHANKAR MAJUMDER	015643	2018-19

Some Glimpses of the Course



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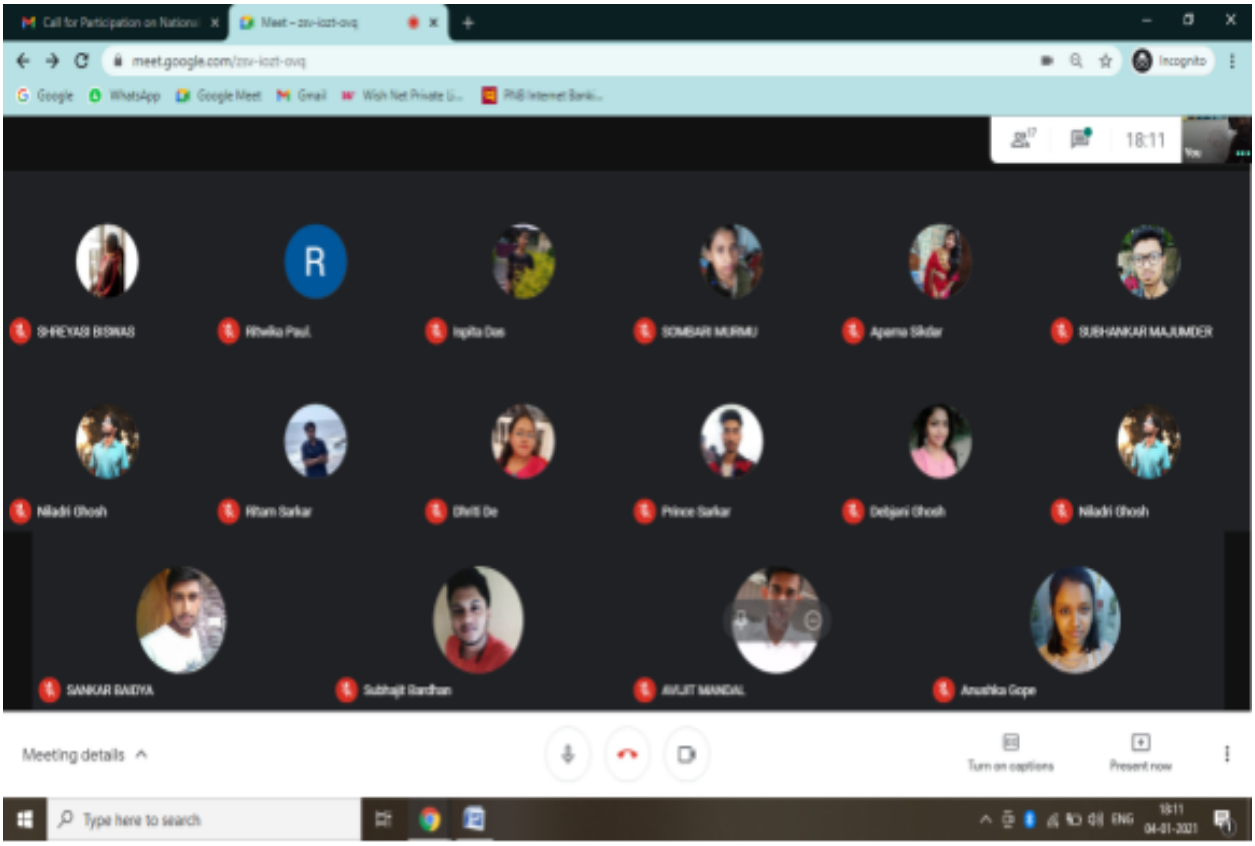
Name of the Event: ICT/Computing Skill
Organising Department: Mathematics



Academic Session: 2020-21
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Organising Department: Mathematics

Sample Certificate

Kalyani Mahavidyalaya

Kalyani - 741235, Nadia, West Bengal, India

DEPARTMENT OF MATHEMATICS

ICT Course on LaTex Typesetting
Academic Session 2020-21

CERTIFICATE OF COURSE COMPLETION

This is to certify that

Name_____ **Dept. of**_____**Semester**_____

Kalyani Mahavidyalaya has successfully completed the **ICT course on LaTex Typesetting** *held during* 11^{th} *December to* 17^{th} *Decemeber 2020.*

Principal Kalynani Mahavidyalaya	Coordinator, IQAC. Kalynani Mahavidyalaya	In-charge, Dept. Of Mathematics. Kalynani Mahavidyalaya