26/11/ 2022

NOTICE

Department of Mathematics

The department is organizing a value-added course on "Introduction to LaTeX" from December 2022 to March 2023. The course will be offline. The resource person for the course is Mr. Parvez Rasul, Research Scholar, Department of Mathematics, IIT Bombay. The course is TYBSc Mathematics, Statistics, and Physics students.

Registration Link: https://bit.ly/3F3n7V5

Head,

Department of Mathematics

PRINCIPAL
RAMNIRANJAN JHUNJHUNWALA COLLEGE
OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS)
Ghatkopar (W), Mumbai-400 086, Maharashtra, INDIA

R. J. COLLEGE of Arts, Science & Commerce (AUTONOMOUS)

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Flyer of Value-added Course "Introduction to LaTeX"

Hindi Vidya Prachar Samiti's
Ramniranjan Jhunjhunwala College (Autonomous),
Ghatkopar, Mumbai-400 086

Department of Mathematics

Organizes a Value Added Course on
Introduction to LaTeX
By
Mr. Parvez Rasul
(Research Scholar, Department of Mathematics, IIT Bombay)

OFFLINE MODE   **2 CREDITS**   DURATION: 30 HRS.
STARTING DATE: 3RD DECEMBER 2022

TIME: EVERY SATURDAY, 1.30 PM TO 3.30 PM (FROM DEC 2022 TO MARCH 2023)

(For TYBSc Mathematics, Statistics, and Physics Students)

Only
40
Seats

Venue: Data Science Lab, 4th Floor
Registration Link: https://bit.ly/3F3n7V5

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BROCHURE

Hindi Vidya Prachar Samiti's

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(Also known as R. J. College of Arts, Science & Commerce as per UGC Notification)

Affiliated to UNIVERSITY OF MUMBAI II Recognized by UGC under 2f & 12B
NAAC Accredited 'A GRADE' with CGPA 3.50

Knowledge is all Ambrosia
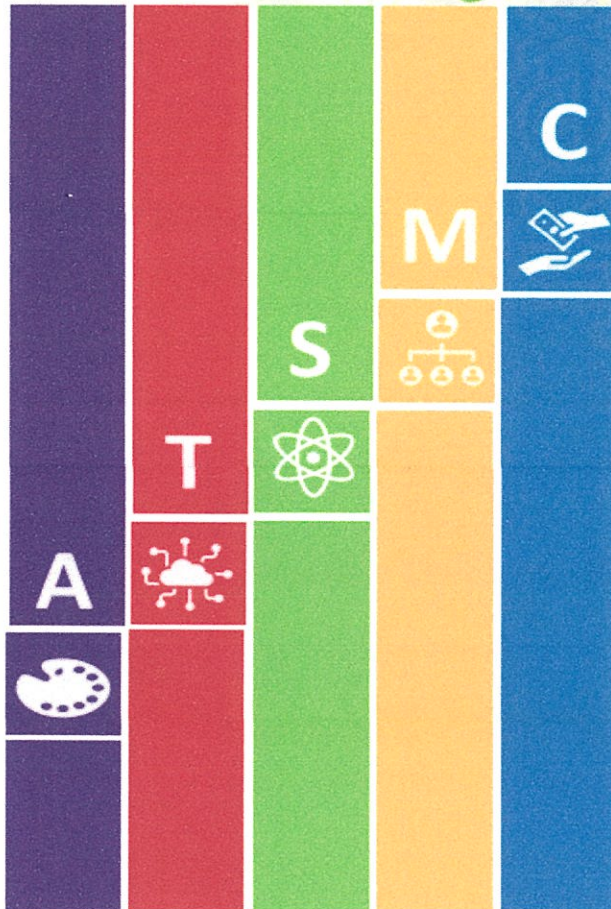
CERTIFICATE COURSE IN

Introduction to LaTeX

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rjcollege@rjcollege.edu.in

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CERTIFICATE COURSE IN **INTRODUCTION TO LaTeX**

ABOUT US

Hindi Vidya Prachar Samiti was incepted on the auspicious day of Shri Krishna Janmashtami, 15th August 1938. A brain child of a visionary Late Shri Nandkishore Singh Jairamji, samiti was established with the objectives of catering to the educational needs of the Hindi speaking community. Ramniranjan Jhunjhunwala College came into existence in 1963, enabling a larger section of the society to take advantage of the facilities provided for higher education.

From 1999-2000 the College has added a number of self-financing courses like B.M.S., B.B.I., B.Sc. in Computer Science, Information Technology, Biotechnology, M.Sc. in Computer Science, Biotechnology and Information Technology as well as add on courses, which further hone the special skills of the students.

The college has been reaccredited with 'A' Grade by NAAC in 2014 with a CGPA 3.50 and received the Best College Award (2007-2008) of the University of Mumbai.

The College has been bestowed with IMC "Ramkrishna Bajaj Performance Excellence Trophy", 2010.

The Principal of the college was awarded "Best Teacher" by Government of Maharashtra in 2011.

Government of Maharashtra conferred the college with "JAAGAR JAANIVANCHA" (First in Mumbai Suburban- in 2013 and Second in Mumbai Suburban- in 2014) for safety of girls.

Course Code: RJMATC03

Duration: 30 hours

Credits : 02

LEARNING OUTCOME

At the end of the course participants will be able to

➤ Create document using LaTeX and organise contents into sections.

➤ Understand the different types of error messages and various formats of content.

➤ Learn about the cross referencing and bibliography.

➤ Create presentations using Beamer.

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CERTIFICATE COURSE IN   INTRODUCTION TO LaTeX

COURSE CONTENT

Introduction:
This topic introduces the learner to LaTeX, its installation, and different IDEs. The learner creates the first document using LaTeX, and organizes content into sections using article and book class of LaTeX.

Styling Pages
In this topic, the session starts by reviewing different paper sizes, examines packages, formats the page by setting margins, customizing header and footer, changing the page orientation, dividing the document into multiple columns. The topic ends with reading different types of error messages.

Formatting Content
This topic concentrates on formatting text (styles, size, alignment), adding colors to text and entire page, and adding bullets and numbered items. It concludes by explaining the process of writing complex mathematics.

Tables and Images
The topic starts by creating basic tables, adding simple and dashed borders, merging rows and columns, and handling situations where a table exceeds the size of a page. The sessions then continue adding an image and exploring different properties like rotate, scale, etc.

Referencing and Indexing
In this topic, the learner learns to add cross-referencing (refer to sections, table, images), add bibliography (references), and create back index.

Presentation using Beamer
Introduction to creating slides, adding frames, dividing the slide into multiple columns, adding different blocks, etc.

Continuous Evaluation
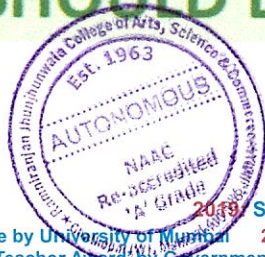
ASSESSMENT

MEDIUM OF INSTRUCTION English

100 MARKS   PASSING 40

WHO SHOULD DO IT?   Under-graduate student

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REPORT

Name of the Activity :- Value-added course on 'Introduction to LaTeX'

Resource Person:- Mr. Parvez Rasul, Research Scholar, Department of Mathematics, IIT Bombay, Mumbai.

Brief Report :- The Mathematics department had organized a Value-added Course on LaTeX by Mr. Parvez Rasul, who is a research scholar at the department of mathematics, IIT Bombay, Mumbai. LaTeX is a document preparation system. It is very much useful in education and research in mathematics. In the beginning, Mr. Rasul gave an overview of LaTeX and the structure of documents and basic typesetting rules in LaTeX. Later, he discussed how to write mathematical equations and groups of equations, how to draw tables, etc. Finally, he focused on an interesting feature of LaTeX i.e., Beamer. This is useful for preparing a presentation. During this course , Assignments were given continuously, a test was conducted, and grades were given to participants based on their scores on the test.

Number of beneficiaries:- 09 participants.

Date:- December 2022 to March 2023

Time:- Every Saturday, 01:30 pm to 03:30 pm (Total: 30 hours)

Event Platform:- Offline, Computer Lab.

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Photos of Value-Added Course on 'Introduction to LaTeX'

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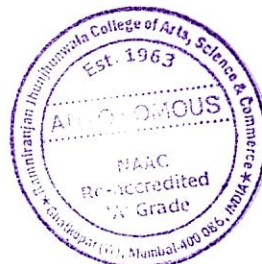
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List of Registered Participants (VAC- LaTeX)

Sr. No.	Full Name	Class	Roll Number
1	Kajal Soni	Other	10
2	Kashyap Aman Subhash	TYBSc Mathematics	301
3	Satyam Harishchandra Vishwakarma	TYBSc Mathematics	302
4	Vishvajeet Rai	TYBSc Mathematics	305
5	Shivam Satyaprakash Pandey	TYBSc Mathematics	306
6	Ujala Indrapal Yadav	TYBSc Mathematics	308
7	Fahima Khatoon Shahalam	TYBSc Mathematics	310
8	Satyam Pal	TYBSc Mathematics	313
9	Abhishek Sanjeev Gautam	TYBSc Mathematics	316
10	Shailesh Rajesh Singh	Other	317
11	Sachin Yadav	TYBSc Mathematics	318
12	Vedant Ramesh Mishra	TYBSc Mathematics	329
13	Shubham Yadav	TYBSc Mathematics	335
14	Chinmay Sanjay Shinde	TYBSc Statistics	409
15	Shifa Mohd. Wasim Khan	TYBSc Statistics	414
16	Devraj D.Yadav	TYBSc Statistics	416
17	Ajayraj Ramkaran Pasi	TYBSc Statistics	426
18	Shital Dudhnath Yadav	TYBSc Statistics	428
19	Vaishali Dhananjay Pandey	TYBSc Statistics	430
20	Shivam K Pandey	TYBSc Statistics	432
21	Shivam Anand Mishra	TYBSc Statistics	438
22	Akhilesh Pal	TYBSc Statistics	441
23	Shraddha Gulabdhar Tiwari	TYBSc Statistics	444
24	Shivam Yadav	Other	09

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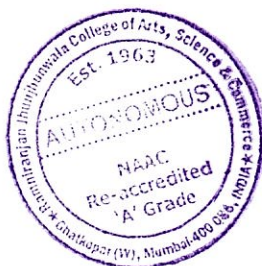
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List of Participants successfully completed (VAC- LaTeX)

Sr. No.	Full Name	Class	Roll Number
1	Khan Fahima	TYBSc Mathematics	310
2	Khan Shifa Mohd. Wasim	TYBSc Mathematics	414
3	Vishvajeet Rai	TYBSc Mathematics	305
4	Ujala Indrapal Yadav	TYBSc Mathematics	308
5	Satyam Pal	TYBSc Mathematics	313
6	Devraj. D. Yadav	TYBSc Mathematics	416
7	Shivam Mishra	TYBSc Mathematics	438
8	Abhishek Gautam	TYBSc Mathematics	316
9	Shubham Yadav	TYBSc Mathematics	335

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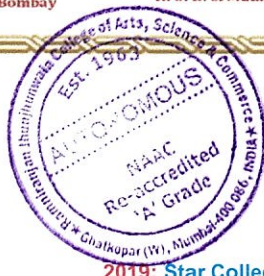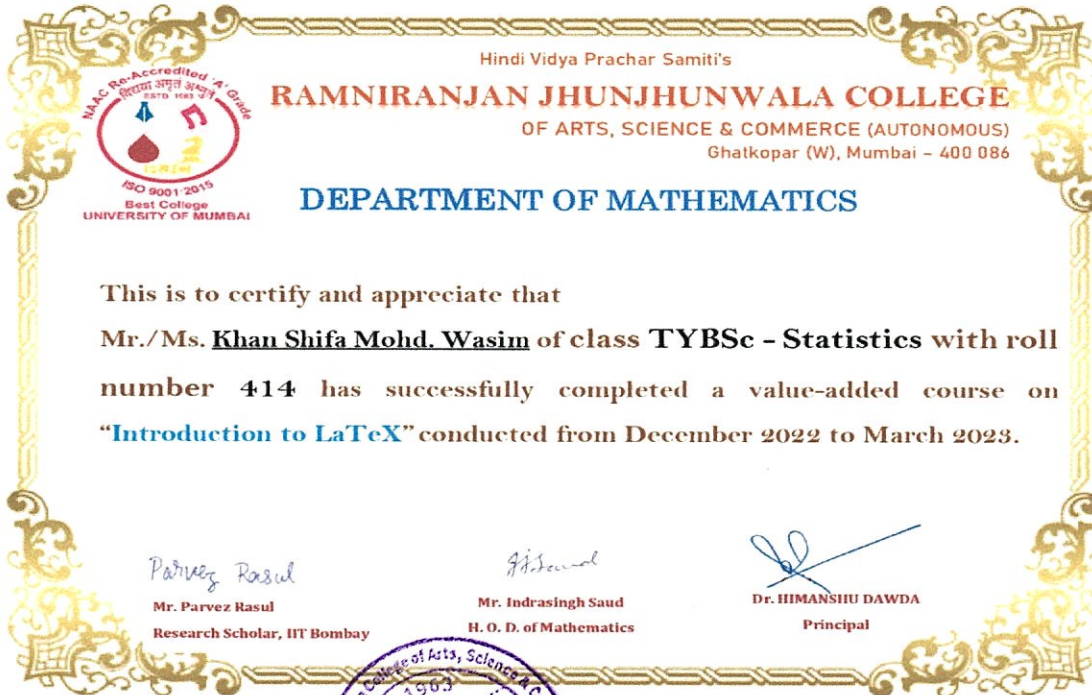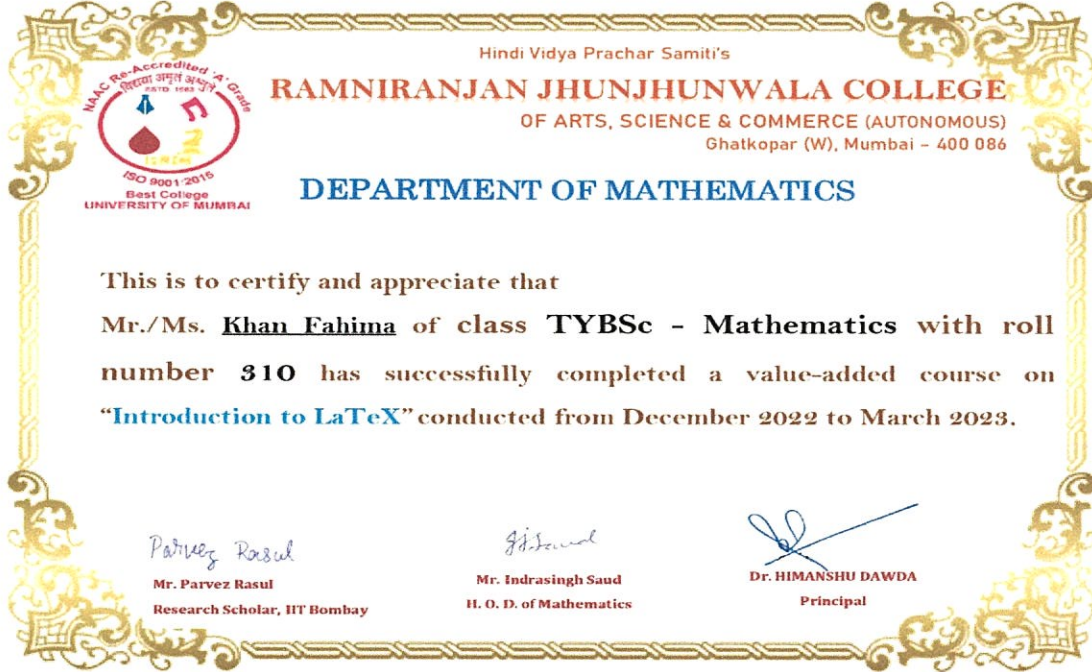
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DEPARTMENT OF MATHEMATICS

This is to certify and appreciate that

Mr./Ms. **Khan Fahima** of class **TYBSc – Mathematics** with roll number **310** has successfully completed a value-added course on "Introduction to LaTeX" conducted from December 2022 to March 2023.

Parvez Rasul
Mr. Parvez Rasul
Research Scholar, IIT Bombay

Mr. Indrasingh Saud
H. O. D. of Mathematics

Dr. HIMANSHU DAWDA
Principal

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Mr. Parvez Rasul
Research Scholar, IIT Bombay

Mr. Indrasingh Saud
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