



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

(Hindi Vidya Prachar Samiti's **RAMNIRANJAN JHUNJHUNWALA COLLEGE of Arts, Science & Commerce**)

Opposite Ghatkopar Railway Station, Ghatkopar (West), Mumbai - 400086, Maharashtra, INDIA.

Website: www.rjcollege.edu.in • Email : rjcollege@rjcollege.edu.in • Tel No. + 91 22 25151763

College is recognized under Section 2(f) & 12(B) of the UGC Act, 1956

Affiliated to UNIVERSITY OF MUMBAI || NAAC Re-Accredited 'A' Grade (CGPA: 3.10)

30/11/2022

NOTICE

Department of Mathematics

The Department of Mathematics is organizing a value-added course on "Introduction to LaTeX" from January 2024 to March 2024. The resource person for the course is Ms. Aratrika Pandey, who is a research scholar at the department of mathematics, IIT Bombay, Mumbai. The course is for students of TYBSc Mathematics, Statistics, and Physics.

Head,

Department of Mathematics

PRINCIPAL

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



2019: Star College Status by DBT

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BROCHURE



Hindi Vidya Prachar Samiti's

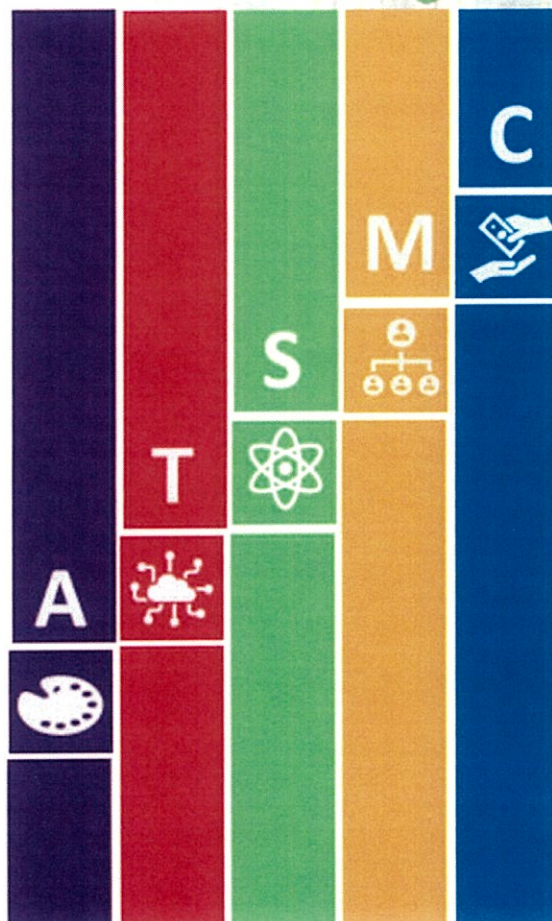
RAMNIRANJAN JHUNJHUNWALA COLLEGE (AUTONOMOUS)

(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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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 reaccruited 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**

ARNING UTCOME

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.



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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




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REPORT

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

Brief Report :- The Mathematics department had organized a Value-added Course on LaTeX by Ms. Aratrika Pandey, 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, Ms. Aratrika gave an overview of LaTeX and the structure of documents and basic typesetting rules in LaTeX. Later, she discussed how to write mathematical equations and groups of equations, how to draw tables, etc. Finally, she 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 students registered:- 40 participants.

Number of students Completed the course:- 17 participants.

Date:- January 2024 to March 2024

Time:- Every Tuesday, 7 am to 9 am (Total: 30 hours)

Event Platform:- Offline, Computer Lab.



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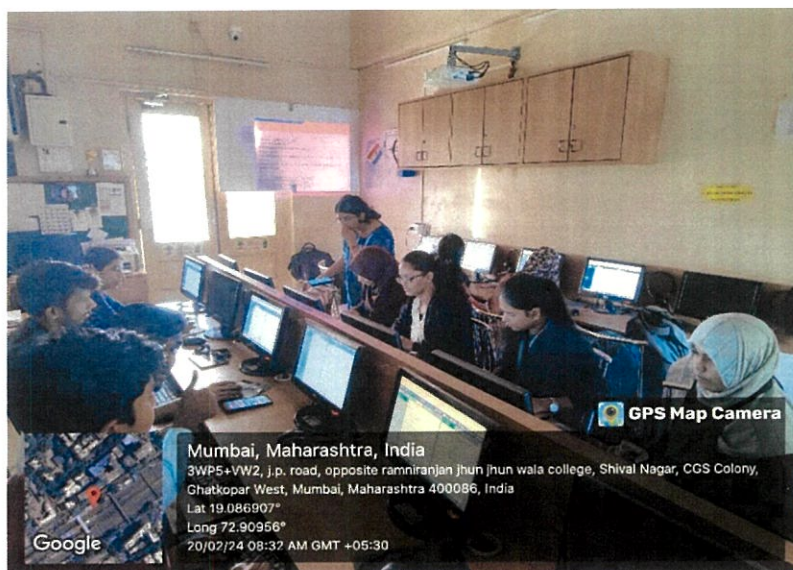
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PHOTOGRAPHS OF STUDENTS DURING THE VAC ON INTRODUCTION TO LATEX HELD FROM JANUARY 2024 TO MARCH 2024



Students during the session of the VAC




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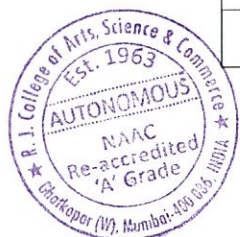
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LIST OF STUDENTS REGISTERED FOR THE VAC INTRODUCTION TO LATEX

Sr No	Full Name	Class	Roll Number
1	Chirag Vishwakarma	TYBSc Statistics	407
2	Mangesh Patel	TYBSc Statistics	401
3	Shailesh Rajesh Singh	TYBSc Statistics	415
4	Sneha	TYBSc Statistics	410
5	Pooja Santosh chougule	TYBSc Statistics	409
6	Kirti Hanumant Kadam	TYBSc Statistics	411
7	Sakshi Tushar Indulkar	TYBSc Statistics	405
8	Himanshu jitendra pandey	TYBSc Statistics	413
9	Swayam Jaiswal	TYBSc Statistics	402
10	Akash patel	TYBSc Statistics	412
11	Suraj Avadhesh Prajapati	TYBSc Statistics	423
12	Ruqaiya Dalvi	TYBSc Physics	213
13	Malik Ayesha mehboob ahmed	TYBSc Physics	220
14	Sonali pandurang maske	TYBSc Mathematics	304
15	SHEETAL DHURVA GUPTA	Other	7228
16	Reshma Dinesh Yadav	Other	56
17	Parul singh	TYBSc Mathematics	313
18	Khan jeenat Bano Alhak Ahmed	Other	17
19	Jibraan Khan	Other	73
20	Khan Fauziya khaton Mohammad Hussain	TYBSc Mathematics	310
21	Poonam shyamlal jaiswar	TYBSc Mathematics	320
22	vaibhav krishna ghadge	TYBSc Mathematics	314
23	Alisha khan	TYBSc Mathematics	312
24	Khan Afsha Anjum Kais Mohammed	TYBSc Mathematics	306
25	Asawari Sharad Athawale	TYBSc Mathematics	302
26	Choudhary Ayesha Khaton Jamal Ahmed	TYBSc Mathematics	301
27	Rajlaxmi upadhyay	TYBSc Mathematics	307
28	Snehal jilajeet yadav	TYBSc Mathematics	316
29	Rithik Haribansh singh	TYBSc Mathematics	317
30	Anjali babulal singh	Other	3524
31	Aniket Anil Nalegaonkar	TYBSc Mathematics	308
32	Sumit Bramahanand Suryawanshi	TYBSc Mathematics	315



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33	Khan sumaiya Mushtaque	TYBSc Mathematics	303
34	Saish More	TYBSc Physics	217
35	Anurag Ramesh singh	TYBSc Physics	219
36	Rugved Rupesh Zagade	TYBSc Physics	225
37	ANKIT MISHRA	TYBSc Physics	228
38	Sachin Kumar Jayprakash Prasad	TYBSc Physics	202
39	Vrushal Sonawane	TYBSc Physics	207
40	Animesh sudam sawant	TYBSc Physics	203



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Sr No	Name	Class	Roll No.
1	Animesh sudam sawant	TYBSc Physics	203
2	Ruqaiya Dalvi	TYBSc Physics	213
3	Choudhary Ayesha Khatoon Jamal Ahmed	TYBSc Mathematics	301
4	Asawari Sharad Athawale	TYBSc Mathematics	302
5	Sonali pandurang maske	TYBSc Mathematics	304
6	Khan Afsha Anjum Kais Mohammed	TYBSc Mathematics	306
7	Rajlaxmi upadhyay	TYBSc Mathematics	307
8	Aniket Anil Nalegaonkar	TYBSc Mathematics	308
9	Rahul Dora	TYBSc Mathematics	311
10	Parul singh	TYBSc Mathematics	313
11	vaibhav krishna ghadge	TYBSc Mathematics	314
12	Sumit Bramahanand Suryawanshi	TYBSc Mathematics	315
13	Snehal jilajeet yadav	TYBSc Mathematics	316
14	Rithik Haribansh singh	TYBSc Mathematics	317
15	Poonam shyamlal jaiswar	TYBSc Mathematics	320
16	Sakshi Tushar Indulkar	TYBSc Statistics	405
17	Shailesh Rajesh Singh	TYBSc Statistics	415



[Signature]

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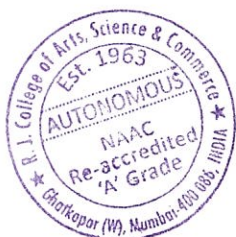
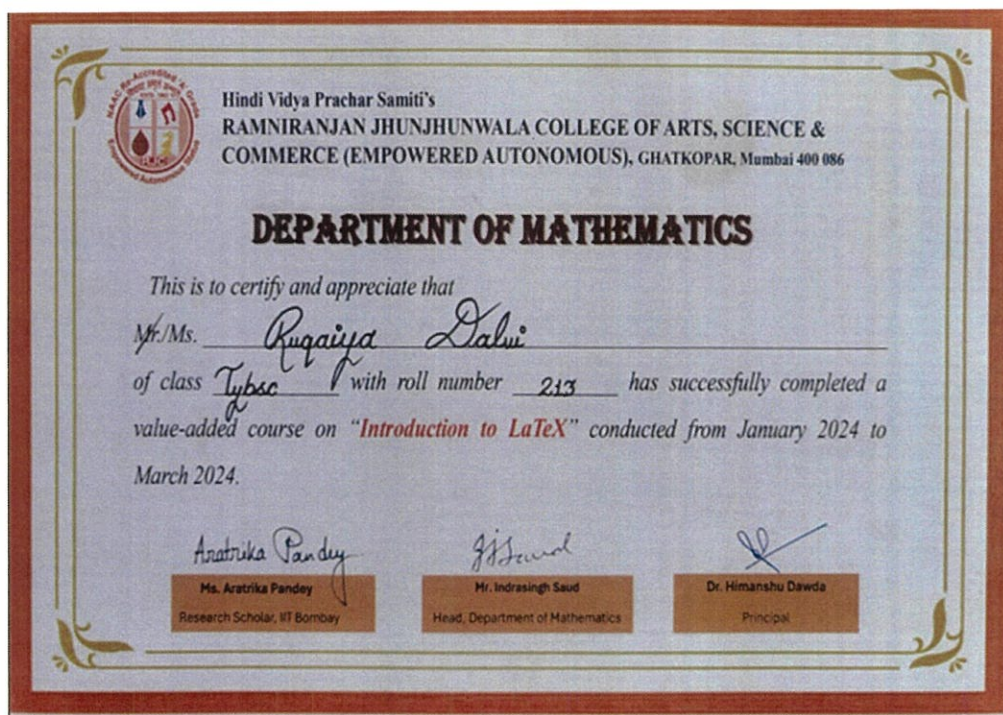
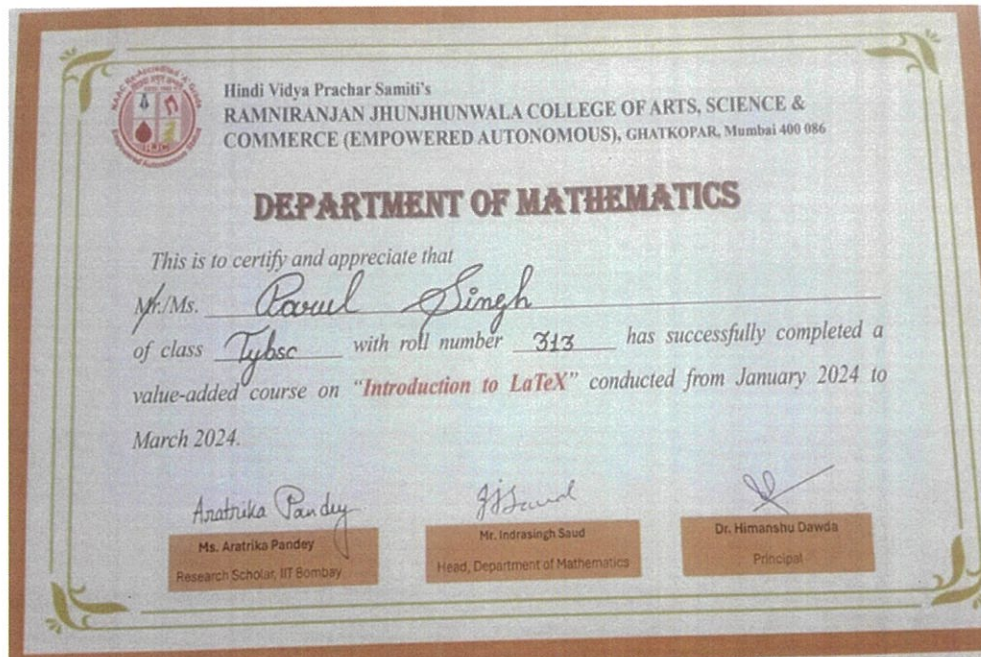
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