

**Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil College, Vashi, Navi Mumbai
(Autonomous)**

Three days Workshop On

LaTeX for Beginners

**26th, 27th, and 28th February 2022
@ 10:00 am to 4:00 pm**

Organized by

Department of Mathematics

Karmaveer Bhaurao Patil College, Vashi, Navi Mumbai

Convener: Mr. D. J. Bhosale

Coordinator: Dr. G. A. Dhanorkar

Platform: Google Meet and YouTube Live

Link: meet.google.com/daa-qugs-gew

Feedback Link : <https://forms.gle/uHQvc89DcEnP5QXW9>

REPORT:

The Department of mathematics Karmaveer Bhaurao Patil College, Vashi have organized Three days Workshop on 'Latex for Beginners' during 26th, 27th, and 28th February 2022.

For this workshop a total of 84 participants registered nationwide.

Objective of workshop

By the end of this workshop, participants will:

- 1) Be able to write documents in LaTeX
- 2) Know various formatting commands
- 3) know mathematics equations, text formatting, and tables.
- 4) Be able to use bibliography entries (BibTeX) to generate and modify in-text citations.

- 5) Know of major sources for further help with LaTeX: websites, books, forums, and librarian

Course Contents:

Day 1) Introduction to LaTeX, LaTeX Software Installation, Paragraph & Text Formation, Essentials of LaTeX, Mathematical Equation Inclusion.

Day 2) Tables & Figures, Reference & Citing, Resume, Letters & Thesis Handling, Typesetting journal articles, technical reports, books

Day 3) Beamer Handling: Introduction to a presentation using Beamer, creating slides in Beamer, adding frames, animation, adding different blocks, etc..

Resource Persons

- 1) Dilesh Zende (Sr Software Developer)
- 2) Mr.D.M.Padulkar (Assi. Prof. Dept. of Computer Engineering VPKBIET, Baramati)
- 3) Avinash Kokare (Asst. Prof. Dept. of Computer Engineering, ATD University, Pune)

Google meet link: <https://meet.google.com/daa-qugs-gew>

The workshop was inaugurated by our honourable Coordinator and Head of the department, Dr. G. A. Dhanorkar in the presence of convener Mr. Dattatray Bhosale and all other faculty members of the department and teacher and student participants.

The inaugural function started with the welcome speech and introductory speech about the Workshop and was briefed about our institute by Mrs. S.Revathy . The Head of the

Department, Dr. G. A. Dhanorkar, extended a warm welcome to all the resource persons Mr.Dinesh Zende and Mr. D.M.Padulkar. He also welcomed Dr. Shubhada Nayak, Principal, Karmaveer Bhaurao Patil College, Vashi, and all participants. He briefed about the importance of Latex for researchers and students of Mathematics.

Day1 (26 Feb 2022): The resource person was Mr. Dinesh Zende (M.Tech Comp Engg.), who Focused on the installation of Latex, paper setting, importing user packages, Text Formation, itemize enumerate, and Mathematical Equation typing. Mathematics typing coding was enjoyed by the students with giving answers and asking doubts. Quiz1 is conducted after day1.

Day2 (27 Feb 2022): Mr. Dinesh Zende, continued day2 and focused on inserting coding for various types of Tables and Figures with alignment and sizes, students curiously asked about underling and colouring of the strings. In the afternoon session, he explained the importance of Reference i.e. bibliography with Citing, finally how to write Resume, Letters, report and Thesis Handling, Typesetting journal articles, technical reports, books which help the students for project writing in MSC-II.

At the end, he also covers advanced packages of LaTeX such as chemfig, Tikz algorithm.

Day3 (28 Feb 2022): The resource person was Mr. Digambar Padulkar (M.Tech Comp Engg.), who covered the presentation Beamer Handling: Introduction to a presentation using Beamer, creating slides in Beamer with using various packages,\usetheme like CambridgeUS, AnnArbor, Warsaw, Frankfurt, Madrid, and Copenhagen, inserting frames, animation, adding different blocks. We have conducted Quiz2 on day3 28th Feb, 2022.

This session was highly useful to UG and PG students for creating an interest in latex coding and all participants enjoyed this session. This is a great feast for students, researchers, and faculty who are interested in Mathematics typing skills using Latex and fulfilling our objectives.

List of Participants:

https://drive.google.com/file/d/1Vo4n44_H0itRdrG91jm3SFfCbNuKUzdz/view?usp=sharing

Brochure of the Workshop



**RAYAT SHIKSHAN SANSTHA'S
KARMAVEER BHAURAO PATIL COLLEGE, VASHI
(Autonomous)**

accredited by NAAC at 'A+' Grade. ISO 9001:2015 certified institute



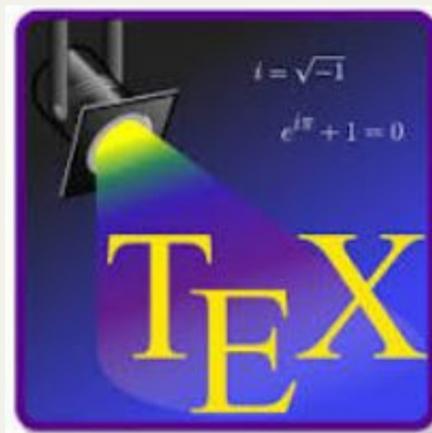
DEPARTMENT OF MATHEMATICS

**Organizes
WORKSHOP on LaTeX for Beginners
Under the Aegis of
RUSA**



26, 27 & 28 FEB 2022

10:00AM - 4:00PM



OBJECTIVE

COURSE CONTENT

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ORGANIZING COMMITTEE

Mr. Dattatray Bhosale: 9702860040
Dr. Gajanan Dhanorkar(HoD Mathematics)
gadhanorkar@kbpcollegevashi.edu.in

Principal:

Dr. Shubhada Nayak, KBP College Vashi

For Registration:<https://forms.gle/QzWjUN5qQVcWdBYk8>

Join WhatsApp group with: <https://chat.whatsapp.com/HMnEHkueXDV1PUGCs6HRIp>

Photos of workshops

Dinesh Zende is presenting

Activities | Google Chrome | Feb 27 15:56

meet.google.com/...
Smart Sched... | Suggested Sites | PWD | Tour | PWDTools | AWS | VPKBET | Health | Academics | Other bookmarks | Reading list

You're presenting to everyone

Thank you! Contact:
dineshzende@gmail.com
Whatsapp : +91-9890510397

To avoid an infinity mirror, don't share your entire screen or browser window. Share just a tab or a different window instead.

Stop presenting | ignore

Dr. Dhanorkar G.A. KYB... | Nalawade KBP

Arati Yadav | Shubham Koli

21 others

Dinesh Zende

Nalawade KBP

23 others

You

3:56 PM | Workshop on LaTeX for Beginners

In-call messages

Let everyone send messages

Messages can only be seen by people in the call and are deleted when the call ends.

$$\begin{pmatrix} 1 & 0 & 1 \\ 0 & 1 & 6 & 4 & -1 \end{pmatrix}$$

Ankita Singh 3:49 PM
Yes sir

Arati Yadav 3:52 PM
Sir, if we have to add some geometrical figures in ppt by using latex, how will do??

Nalawade KBP 3:53 PM
Yes sir

Send a message to everyone

Dinesh Zende is presenting

Activities | TeXstudio | Feb 28 14:53

File Edit Format Tools LaTeX Math Windows bibliography Magics View Options Help

Importing graphics to latex file

```

\documentclass{article}
\usepackage{graphics}
\usepackage{blindtext}
\begin{document}
\begin{figure}
\centering
\caption{A seagull}
\includegraphics[width=7cm]{./figures/gull.jpg}
\label{fig:seagull}
\end{figure}
\blindtext
As shown in figure \ref{fig:seagull} a seagull was spotted there.
\begin{figure}[h]
\includegraphics[width=\textwidth]{./figures/tiger.jpg}
\end{figure}
\end{document}

```

Line: 17 Column: 17 INSERT

Pages 1 to 2 of 2 28%

de DE UTF-8 Ready Automatic

Dinesh Zende

KBP Admin 1

OR

43 others

You

2:53 PM | Workshop on LaTeX for Beginners

People

All muted Add people Host controls

- Asha Adkhale2
- Darshana Anbhule
- Dhanesh-kumar Singh
- Dhiraj Junghare
- Dinesh Zende Meeting host
- Dinesh Zende Presentation
- Humera Khairdi

Digambar Padulkar is presenting

Activities | TeXstudio | Feb 28 11:17

File Edit Format Tools LaTeX Math Windows bibliography Magics View Options Help

```

\documentclass{article}
\usepackage{tikz}
\usepackage{tikz}
\usepackage{tikz}
\begin{document}
\begin{tikzpicture}
\draw (0,0) -- (1,0) -- (1,1) -- (0,1) -- cycle;
\end{tikzpicture}
\end{document}

```

Digambar Padulkar

46 others

You

11:17 AM | Workshop on LaTeX for Beginners

People

All muted Add people Host controls

Search for people

In call

- Dr. Dhanorkar G.A. ... (You) Meeting host
- Aarti Yadav
- Abhijeet Patil
- Aishwarya Rane

Digambar Padulkar is presenting

```

85 % \end{equation}
86 \begin{equation}
87 y = mx + c \\
88 x^2 + y^2 = r^2 \\
89 \frac{x^2}{a^2} + \frac{y^2}{b^2} = 1 \\
90 \end{equation}
91 \begin{equation}
92 \frac{x^2}{a^2} + \frac{y^2}{b^2} = 1 \\
93 \end{equation}
94 \end{array}
95 |
96 |
97 |
98 |
99 |
100 |
101 \end{document}

```

12:23 PM | Workshop on LaTeX for Beginners

Participants: Digambar Padulkar, Mansi Shinde, Purnima Chaurasiya, Revety Suresh KBP..., Tejaswini Jitekar, Dattatray Bhosale K..., Sukanay Kharsade, 41 others, You.

Digambar Padulkar is presenting

Presentation on Beamer

Prof. Digambar Padulkar

February 28, 2022

Introduction

11:48 AM | Workshop on LaTeX for Beginners

Participants: Digambar Padulkar, Ragini Jadhav, Purnima Chaurasiya, Revety Suresh KBP..., Tejaswini Jitekar, Dattatray Bhosale K..., Sukanay Kharsade, 41 others, You.

Dinesh Zende is presenting

```

\documentclass{article}
\usepackage{amsmath}

\begin{document}
This is how the inline matrix is specified
\begin{matrix}
a & b \\
c & d
\end{matrix}
\end{matrix}$. But this is not so small, so I
use a small matrix to print it inline
\begin{smallmatrix}
a & b \\
c & d
\end{smallmatrix}
\end{smallmatrix}
This is how the m
\end{document}

```

how the inline matrix is specified $\begin{pmatrix} a & b \\ c & d \end{pmatrix}$. But this is not so small, small matrix to print it inline $\begin{smallmatrix} a & b \\ c & d \end{smallmatrix}$

3:03 PM | Workshop on LaTeX for Beginners

Participants: Dinesh Zende, Nalawade KBP, Dattatray Bhosale KBP Co..., Shubham Koli, Ragini Jadhav, Shubhangi Phadtare KBP..., 24 others, You.

Dinesh Zende is presenting

```

\documentclass[11pt,a4paper]{article}
\usepackage[T1]{fontenc}
\usepackage[utf8]{inputenc}
\usepackage[table]{xcolor}
\usepackage{tikz}
\begin{document}
\begin{table}
\caption{Table with 2 columns and 5 rows}
\rowcolor{red}
\tablehead{
Some values & Some values\\
Some values & Some values
}
\end{table}
This is the citation of the \cite{greenwade93}
\cite{9993068}
\end{document}

```

In-call messages

Let everyone send messages

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Dubey suraj sir 11:10 AM
Good morning everyone

Nalawade KBP 11:23 AM
Sir please share the google doc link

Shubham Koli 11:58 AM
yes sir

Rohit Dhandre 11:58 AM
Yes sir

Send a message to everyone

11:59 AM | Workshop on LaTeX for Beginners

Dinesh Zende is presenting

```

\documentclass[11pt,a4paper]{article}
\usepackage{amsmath}
\begin{document}
This is the equation to calculate area of the circle

$$a = b + c$$

Another way to add the equation

$$x^2 = y^2 + z^2$$

One more way is :

$$x^2 = y^2 + z^2$$


$$area = \pi * r^2$$


```

12:39 PM | Workshop on LaTeX for Beginners

Dinesh Zende is presenting

```

\documentclass[a4paper]{article}
\usepackage{latexsym}
\author{Dinesh A. Zende}
\title{Workshop on Basics of LaTeX}
\date{\today}
\begin{document}
\maketitle
\end{document}

```

People

All muted Add people Host controls

- S Sushma Gupta 🔇
- S Swapnali Ganje 🔇
- T Tejaswini Jitekar 🔇
- V Vasundhara Kulkarni 🔇
- V Viraj Waralkar 🔇
- V Vishal Phapale 🔇
- Y Yasmeen Khan 🔇

12:08 PM | Workshop on LaTeX for Beginners