

# Who can attend?

Teachers, Research Scholars,

P.G. Students and Interested U.G. Students of all colleges.

(Attendees are requested to carry their laptops for hands-on sessions.)

## Programme Schedule

Day 1: LaTeX for Beginners - Dr. Ajit Kumar

Day 2: LaTeX Integrated with R and Python - Dr. Amiya Bhowmick

(No knowledge of programming required)

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### • Workshop Objectives:

1. Installation and basic handling of the software.
2. Teach the basics of LaTeX.
3. Introduce advanced techniques for writing mathematics.
4. Introduce advanced techniques for editing and formatting documents, preparing large documents such as books and memoirs.
5. Use of LaTeX in daily academic and official work.
6. Teach to prepare Beamer presentations in LaTeX.

### • Workshop Outcomes:

Participants will be able to -

1. Prepare a LaTeX document to design a scientific article and project report.
2. Make use of figures and tables in a LaTeX document.
3. Develop conference proceedings and presentations.
4. Utilize the preamble of LaTeX file to define document class and layout options.
5. Make use of BibTeX for bibliography for a particular document.
6. Integrate LaTeX with R and Python programming languages.

**This workshop will accommodate only 25 participants which will be on first come first basis.**

**REGISTER HERE:**

**<https://forms.gle/tA3qqqbj5jjQwK716>**

**LAST DATE OF REGISTRATION : 5TH FEBRUARY 2024**

Contact: [maths@wilsoncollege.edu](mailto:maths@wilsoncollege.edu)



Department of Mathematics

Wilson College

In Collaboration with

Department of Mathematics, ICT Mumbai

Organizes

Two Days Intercollegiate  
Workshop

Under DBT STAR SCHEME

on



**On 8th and 9th February 2024**

**9:00 am to 4:30 pm**



## **Dr. Ajit Kumar**

**Prof. Dr. Ajit Kumar is the Head of the Department of Mathematics at Institute of Chemical Technology, Mumbai. His main interests are in the fields of Optimization Techniques, Statistical Techniques, Numerical Method and Mathematical Pedagogy. He received his PhD from the University of Mumbai. Prof. Ajit has many national as well as international journal papers and book chapters to his name. He has initiated a lot of mathematicians into the use of open source mathematics software. He aims to create awareness about the innovative use of mathematical softwares among mathematics teachers across the country. He has been actively involved in the Mathematics Training and Talent Search (MTTS) programme for last several years in various capacities.**



## **Dr. Amiya Bhowmick**

**Dr. Amiya Ranjan Bhowmick is an Assistant Professor in the Department of Mathematics, Institute of Chemical Technology, Mumbai. His research interests are in Growth Curve Models, Ecological Modelling, Stochastic Population Dynamics, Mathematical Statistics. He has a PhD in Applied Mathematics from the University of Calcutta (research carried out in ISI, Kolkata). Dr. Bhowmick is an active researcher with many international papers to his name. He has been a coordinator and a resource person for a lot of workshops on R and Python, thus encouraging and promoting their use among teachers and students.**

## **About College**

Wilson College has a long-standing history of 191 years. Established in 1832 with College section in 1836 by the renowned Scottish missionary, Rev. Dr. John Wilson, FRS. It is the oldest institution of higher education in Western India and has made significant pioneering contributions to the growth and development of education in India. Prof. Anna Pratima G. Nikalje is serving as the Principal of Wilson College, who is also the Hon. Secretary of John Wilson Education Society (JWES). The College offers undergraduate programmes in Arts, Science, Commerce, Management, Mass Media and IT; postgraduate programmes in Science (Chemistry, Microbiology, Information Technology, Zoology), in Arts (English Literature, Media and Culture), and in Commerce (Security Market, Accountancy). Ph.D. programs are offered in Chemistry, Botany, Microbiology, Zoology and Hindi. The College attracts students from all parts of the country and neighbouring countries. The College has been re-accredited an 'A' grade for the third time in 2017 by the NAAC. The College has been conferred autonomous status by University Grants Commission from the academic year 2022-2023. The College also has a working science laboratory funded by DST FIST grant. Wilson College is the Recipient of grant worth ₹1.25 Crores under DBT Star Strengthening Scheme. Wilson College received a few prestigious awards like the Leadership and Innovation Award by Higher Education Forum for 2018-19, the 'Best College Award' by University of Mumbai for the academic year 2019-20 and Sustainability Award by Vivekananda Youth Connect Foundation, Mumbai. In 2021-22, the faculty of the college successfully completed 16 research projects of grant of ₹6.5 lakhs given by the University of Mumbai.

## **About Department**

The Department of Mathematics was established in 1836. It is one of the oldest departments of the college. The aim of the department is to provide an environment, where students can learn and become competent users of Mathematics and its applications. Mathematics, considered to be the queen of science, is a subject which finds its applications almost everywhere. The concepts of mathematics are widely used in the subjects like Physics, Chemistry, Medical Science, Economics, Banking, Engineering etc. The department offers a full time B.Sc. Mathematics programme. We also encourage our students to attend various national level workshops to deepen their subject knowledge. Every year our students attend workshops like MTTS, ATM Schools, etc. The department also has a Maths Society with an aim to inculcate interest towards mathematics amongst the students and make students learn various concepts and applications of Mathematics with fun based games.