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Director, Centre for Mathematical Needs and Director

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Bengaluru

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Department of Mathematics, School of Applied

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Associate Professor,

Department of Mathematics, School of Applied

Sciences,

Reva University, Bengaluru.

Dr. Robinson Thamburaj

Associate Professor

Department of Mathematics

Madras Christian College, Chennai

Invited Speakers

Dr. B V Rathish Kumar

Professor

Indian Institute of Technology, Kanpur

Dr Pradeep G Siddheshwar

FIMA(UK), FNASc, Senior Professor

Director, Centre for Mathematical Needs and

Director, R & D Cell, Christ University

Bengaluru

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Associate Professor,

Centre for Complex Systems & Soft Matter

Physics, International Institute of Information

Technology (IIIT), Bengaluru

Kumbinarasaiah S

Assistant Professor

Department of Mathematics

Bangalore University, Bengaluru

For Further Details Contact

Dr. Britto Jacob S, +91 9159389325

Dr. Soya Mathew +91 96111 49540

Email: rtpam@kristujayanti.com

For More Details

<https://www.kristujayanti.edu.in/ncrpam2025/demo2.html>



Kristu Jayanti College

AUTONOMOUS Bengaluru

Reaccredited A++ Grade by NAAC | Affiliated to Bengaluru North University

Department of Mathematics

NATIONAL LEVEL CONFERENCE

ON

RECENT TRENDS IN PURE AND APPLIED MATHEMATICS

30th – 31st January, 2025



Kristu Jayanti College, founded in 1999, is managed by "BODHI NIKETAN TRUST", formed by the members of St. Joseph Province of the Carmelites of Mary Immaculate (CMI). The College is affiliated to Bengaluru North University and is reaccredited with grade 'A++' in 2021 by NAAC in the Third Cycle of Accreditation. The college is recognized by UGC under the category 2 f & 12 B. The College has been accorded Autonomous Status since 2013 by the University Grants Commission, the Government of Karnataka & Bangalore University.

In the NIRF 2024 colleges rankings, the college was placed among the top 100 colleges in the country and secured the 60th rank. The programmes of School of Management are internationally accredited by the Accreditation Council for Business Schools and Programs [ACBSP, USA]. The college was accorded 'DBT Star College status under the strengthening component' by the Department of Biotechnology, the Ministry of Science & Technology and the Government of India. The institution received first prize at the National Level for 'Clean and Smart Campus Award' from Shri. Dharmendra Pradhan, Minister of Education, Govt. of India. In the India Today - MDRA survey 2024, Kristu Jayanti College, Bengaluru is ranked 1st in Science, 1st in Commerce, 1st in Arts and the Best Emerging College of the Century at National Level.

Programmes in Mathematics exists from the inception of the college (1999). Programmes in Mathematics are being offered by the Department of Physical Sciences as triple major in Computer Science, Statistics, Physics, Economics and Electronics in combination with. In the India Today - MDRA survey 2024, B.Sc. Programme was Ranked 28th best among the BSc Colleges in India and 4th Best College in Bengaluru. The Department enables the students to be employable and to explore new horizons through higher studies and research. The department believes in continuous knowledge and skill enhancement by encouraging participation in conferences, seminars, workshops, publishing research articles, organizing value added courses, Skill Exhibitions and Inter and Intra Collegiate fests.

About the Conference

Mathematical Sciences encompass a diverse array of disciplines, including Pure and Applied Mathematics, Statistics, Actuarial Sciences, and Data Science. These fields, rooted in mathematics, are crucial for problem-solving, engineering, technological advancement, and decision-making in today's world. The Mathematics Department of Kristu Jayanti College is proud to host the "National Conference on Recent Trends in Pure and Applied Mathematics." This conference aims to create a dynamic platform for exchanging ideas across various branches of mathematics and related sciences, focusing on both theoretical and practical applications.

The Department of Mathematics is committed to facilitating knowledge sharing and collaboration on future research endeavours among delegates. Mathematics serves as a bridge between theory and practice, leading to applications that address real-world challenges. With this in mind, the conference will emphasize core mathematical principles and their significance in application-based fields such as Computational Mathematics, Biomathematics, Operational Research, and Artificial Intelligence.

Through this conference, we aim to explore advanced topics, including Machine Learning, Optimization, Regression Analysis, and Risk Theory. The Department of Mathematics aspires to break down conventional barriers and stimulate exploration across diverse fields, driving innovation and expanding the scope of mathematical applications in various disciplines. Recognizing mathematics as a foundational discipline, this conference seeks to promote an interdisciplinary approach, encouraging dialogue and inviting original, unpublished research in areas where mathematics plays a vital role, such as Life Sciences, Epidemiology, Physical Sciences, and Bioinformatics.

Call for Papers

Full length original research articles are invited for presentation during the conference and publication in the below mentioned themes but not limited to

- Algebra
- Artificial Intelligence
- Biomathematics
- Coding Theory
- Complex Analysis
- Computational Mathematics
- Cryptography
- Data Science
- Differential/Difference Equations
- Dynamical Systems

- Financial Mathematics
- Functional Analysis
- Game Theory
- Graph Theory
- Machine Learning
- Mathematical Modelling
- Mechanics
- Number Theory
- Numerical Analysis
- Optimization
- Probability & Statistics
- Topology
- Bio Informatics

Article Submission

Authors are invited to submit original research papers, which should present new, unpublished research and must not be submitted to any other conference or journal at the same time. Only accepted and registered papers will be allowed for presentation at the conference. For detailed instructions on how to prepare and submit your abstract and full paper, please visit the conference website. The abstract of the research article should be sent to the conference mail id: rtpam@kristujayanti.com on or before 20.12.2024. Full length paper should be sent before 15th January 2025.

Publications*

After the peer review process, the selected full-length papers based on originality, novelty and suitability will be recommended for possible publication in ANY ONE of the UGC CARE/Scopus/Web of Science/SCI Journals with publication fee.

Publication Partner

Kristu Jayanti Journal of Computational Sciences (KJCS) e-ISSN: 2583-6072

Important Dates

Last Date for Abstract Submission: 26.01.2025

Last Date for Full length research article Submission: 28.01.2025

Notification of the acceptance of research articles: 28.01.2025

Last Date for Registration: 28.01.2025

Conference Dates: 30th and 31st January 2025.

Registration Details

Particulars	Academicians and Industry	Student and Research Scholars	International Delegates
Participation only	Rs. 1000	Rs. 700	USD 20
Participation with Paper Presentation	Rs.1500	Rs.1000	USD 50

Registration Link

<https://portal.kristujayanti.edu.in/event-national-level-conference-on-recent-trends-in-pure-and-applied-mathematics>

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