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Kristu Jayanti College

AUTONOMOUS Bengaluru

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

Department of Physical Sciences

Organises

National Conference

on

Recent Trends in Electronics, Mathematics & Statistics (NCRTEMS – 2023)

3rd March, 2023

About the College

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 categories 2(f) & 12(B). The college was accorded Autonomous Status in 2013 by the University Grants Commission, Government of Karnataka & the Bangalore North University. For its contribution in the field of Education, Kristu Jayanti College has been recently given the Clean and Smart Campus award. In the NIRF 2022 rankings, the college was placed among the top 150 colleges in the country and ranks as one of the five colleges from Karnataka. In the India Today - MDRA survey 2022, Kristu Jayanti College, Bengaluru is consecutively ranked as the Best Emerging College of the Century at National Level for Commerce, Science and Arts. at National Level and the college is ranked 4th Best BCA, 12th Best MSW, 17th Best BBA, 19th Best Commerce, 21st Best Arts, 24th Best Science and 34th Best Mass Communication College in India.

The institution strives to fulfill its mission to provide educational opportunities to all aspiring youth to excel in life by developing academic excellence, fostering values, creating civic responsibility, inculcating environmental concern and building global competencies in a dynamic environment.

Department of Physical Sciences

The Department of Computer Science exists from the inception of the college (1999). The Department has multidisciplinary courses in Computer Science, Mathematics, Statistics, Physics and Electronics. Since Academic year 2022 - 23, the department of Mathematics, Statistics, Physics and Electronics came under the department of Physical Sciences. Department of Physical Sciences offers 3 years BSc Degree Dual major programme and 4 years BSc (Hons) Programme in Computer Science, Mathematics, Statistics, Physics, Electronics and Economics affiliated to Bengaluru North University. The department has implemented NEP Curriculum in accordance with Karnataka Higher Education council. In the India Today - MDRA survey 2022, B.Sc Programme was Ranked 29th best among the BSc Colleges in India and 4th Best College in Bengaluru.

The survey also ranked the college as 1st in Science among the colleges in India. Each discipline enables the students to be employable to explore new horizons in the path of 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 certificate, bridge courses, Skill Exhibitions and Inter and Intra Collegiate fests. The academic alliances of the department with IT giants like Microsoft and Oracle to offer industry curriculum is a special feature of the department.

NCRTEMS Conference Preamble

On 3rd March 2023, the Department of Physical Sciences (UG) is organizing the 1st interdisciplinary National conference on Recent Trends in Electronics, Mathematics and Statistics. The primary objective of National Conference on Recent Trends in Electronics, Mathematics and Statistics (NCRTEMS-2023) is to discuss the developments, key approaches, research line, challenges and unsolved open problems encountered in the field of electronics, mathematics and statistics. NCRTEMS-2023 will bring together leading Academicians, Researchers, Engineers and Scientists in the domain of interest across the country by providing a platform to present new advances and research outcomes in the field of electronics, mathematics and statistics. It will also assist to bridge the gap between research contributions provided by the academicians to meet the expectations of the research communities. Besides the research gains, the conference considers social and commercial issues in lives and in the social, economic and environmental assets of our nation using these novel technologies. To facilitate this, the conference hosts presentations of peer-reviewed original technical papers from academic and industry researchers. Cross-domain contributions from various application areas related directly or indirectly to the domains specified are also invited.

Call For Papers

NCRTEMS invites authors to contribute to the conference by submitting original, unpublished articles that illustrate RESEARCH RESULTS, RESEARCH PROJECTS, METHODOLOGIES, ALGORITHMS, SURVEYS / REVIEWS, CASE STUDIES, and Industrial experiences that describe significant advances in the following areas but not limited to

Electronics

Advanced Functional Material
2D and 3D Nanomaterials Polymers,
Ceramics and Composite Material
Carbon & Graphene- based Material
Advanced Computational Material
Biosensor and Bio-electronic Material
Crystal Material
Advanced Biomaterials
Embedded System, Biomedical Sensors
Material Physics and Chemistry
Organic Semiconductors
Solar Energy Material
Electrode and Electrolyte Material
Supercapacitors, Fuel Cells, Batteries
Optical Material
Electrical and Magnetic Material
Interdisciplinary Research on Material

Mathematics

Computational Fluid Dynamics
Numerical Analysis
Graph Theory
Machine Learning
Control and Inverse Problems
Stochastic Processes and Applications
Operation Research
Mathematical Modeling
Differential Equations and their
Applications

Statistics

Actuarial Statistics
Agricultural Statistics
Artificial Neural Network
Bayesian Inference
Bioinformatics, Data Mining
Design of Experiments
Distribution Theory
Econometrics
Medical Statistics
Multivariate Analysis
Probability Theory
Reliability, Sampling Theory
Statistical Quality Control
Stochastic Modeling
Survival Analysis
Time series analysis

Submission Guidelines

Participants intending to present a paper are required to submit an extended abstract with a minimum of 500 and words not exceeding 1000 words. Abstracts should include the scope of the work, methodology and its main conclusions, author contact details including author's position, organization, address, and email.

The link for abstract submission is: <https://forms.gle/xAUQ51WoJmRwefHW9>

Publication Details

- Proceedings of the conference (containing abstracts only) will be published.
- Accepted papers after a double blind peer review will be published in **Advances in Engineering Research** journal indexed in **Web of Science** (Conference Proceedings Citation Index) part of **Springer Nature**.
- Publication fee will be collected after the acceptance of the paper from the publisher.

Important Dates

Abstract Submission	: 26 th February, 2023
Submission of Research Articles	: 1 st March, 2023
Last Date for Participant Registration	: 1st March, 2023
Conference date	: 3rd March, 2023

Details Of Registration

	Students and Research Scholars (Rs)	Academic and Industry Delegates (Rs)
Participation	400	500
Paper Presentation	600	800

Registration link

<https://portal.kristujayanti.edu.in/register-national-conference-on-recent-trends-in-electronics-mathematics-and-statistics>



General Guidelines

- Accommodation can be arranged on prior request to the conference conveners
- Certificates will be issued only for the registered participants.

