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Dr. Renuka Kolandasamy, Asst. Professor, Dept. of Mathematics, KLEF

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Dr. D. Ramesh, Asst. Professor, Dept. of Mathematics, KLEF
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FOR FURTHER DETAILS CONTACT

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WEBSITE



LOCATION



REGISTRATION

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4th International Conference on
**ADVANCED TRENDS IN
COMPUTATIONAL
ENGINEERING MATHEMATICS**
9th - 13th JULY 2024
(ICATCEM-2024)



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Department of
Mathematics

CATEGORY 1
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BY MHRD, Govt. of India

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44 YEARS OF
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www.kluniversity.in

ABOUT THE UNIVERSITY

The KL College of Engineering was started in the academic year 1980-81 and achieved autonomous status in 2006. It was conferred with Deemed to be University (Koneru Lakshmaiah Education Foundation) status in the year 2009, under Section 3 of the UGC Act 1956. The University underwent assessment by NAAC and was accredited for a period of five years from 2018 to 2023, with a CGPA of 3.57 and an A++ grade. The University has been accorded with Category-1 status. KLEF has established an ecosystem to promote innovation, including a centre for Innovation, Incubation and Entrepreneurship Development (CIED), leading to start-ups in different disciplines. Through publishing in various national and international refereed journals, particularly in Scopus/SCI Indexed journals, research has taken a quantum leap towards improving its quality, resulting with good h-index.

ABOUT THE DEPARTMENT

The Department of Mathematics was established in 1980 and has strong support 100% Doctorate faculty. All the faculty members are highly qualified, motivated and specialized in various areas of Mathematics. The department focuses on Pure and Applied Mathematics to cater the professional needs of students from varied backgrounds. The department offers PG Program in M.Sc Applied Mathematics, Computational Mathematics and Ph.D. research programs. The department also offers courses for students majoring in Science, Engineering, Commerce, Pharmacy, Law, Arts, Architecture, Agriculture and Business Administration. The curriculum has been designed with an emphasis on the concepts of Data Science and Artificial Intelligence with their applications and coding. The faculty members regularly attend seminars, workshops and conferences to keep themselves updated with the latest research inputs and efficient classroom management techniques that meet the challenges of a fast-changing technical world.

ABOUT ICATCEM-2024

The conference aims to bring together academicians, scientists, researchers, engineers, and industrialists to share their experiences, current research findings, and innovations in the field of Applied Mathematics. This event not only serves

as a platform for advancing Mathematical research but also offers an excellent opportunity for participants to grasp current research trends and update their expertise in their respective areas of study. The conference will feature invited talks from researchers at renowned institutes, along with paper presentations.

CALL FOR PAPERS

Authors are invited to submit original and unpublished research papers presenting innovative ideas on a wide range of topics, including but not limited to: Analysis, Optimization, ODE, PDE, Fractional Calculus, Dynamical Systems, Fuzzy Set Theory, Fluid Dynamics, Graph Theory, Mathematical Modelling, Variational Inequalities (Inclusions), Fixed Point Theory, Numerical Methods and Algorithms, Neural Networks, Image Processing, and Cryptography. The acceptance of papers will be based on the recommendations of the peer review committee, and authors will be notified accordingly.

GUIDELINES FOR PAPER SUBMISSION

Authors are requested to submit their original papers in IEEE format (not previously published or presented) in either Word or PDF format. Participants are requested to upload their abstract in registration form.

Conference E-Mail: icatcem2024@gmail.com

PUBLICATION

The proceedings containing the abstracts of all accepted papers will be released on the first day of ICATCEM-2024 with ISBN number. Furthermore, all selected papers will undergo peer review by experts in specialized areas. All accepted papers will be published in Scopus, WOS journals according to their preferences. Journals will be listed in the conference website along with article processing charges.

The conference focuses on a diverse range of research fields, including but not limited to:

- ☞ Differential Equations and Dynamical Systems
- ☞ Mathematical Modelling
- ☞ Analysis and Optimization
- ☞ Fixed Point Theory
- ☞ Control Theory
- ☞ Stability Analysis
- ☞ Fluid Dynamics
- ☞ Fuzzy Set Theory
- ☞ Image and Signal Processing
- ☞ Graph Theory

- ☞ Numerical Methods and Algorithms
- ☞ Fuzzy Algebra
- ☞ Operations Research
- ☞ Probability and Statistics

Participants will get hands-on training for **PYTHON PROGRAMMING** to enhance their research skills in Computational Engineering Mathematics.

IMPORTANT DATES

Abstract Submission Deadline	: 30.06.2024
Acceptance of Abstract	: 02.07.2024
Fullpaper submission Deadline	: 07.07.2024
Last date for Registration	: 08.07.2024
Conference Dates	: 9th - 13th July, 2024

REGISTRATION FEE

Participation only	: ₹ 1000/-
Research Scholars	: ₹ 1500/-
Faculty/Academician	: ₹ 2000/-
Industry Persons	: ₹ 2500/-
Foreign Participants	: 100 USD
Registration Link:	https://forms.gle/HdudpuqPU5mBHICbA

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ACCOMMODATION

Accommodation may be provided for the limited participants will be arranged inside the campus on payment basis with prior request.

KEYNOTE SPEAKERS

- Dr. Paul Samuel Francis, University of Eastern Africa, Kenya
- Dr. Suresh Rasappan, UTAS, Ibri, Oman
- Dr. K. Sathiyaraj, USCI University, Malaysia
- Dr. Ramesh Kasilingam, IIT Madras, India
- Dr. Debopriya Mukherjee, IIT Indore, India
- Dr. Ayyapan Srinivasan, IIT Hyderabad, India
- Dr. R. Sivaraj, NIT Jalandhar, India
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