

One day National Seminar On

Emerging Trends in Mathematical Modelling, Graphical Networks in Engineering Systems

20 August 2024



Organized by
Department of Mathematics
K.S.Rangasamy College of Technology
(Autonomous)
Tiruchengode - 637 215 Namakkal Dt. Tamil Nadu

Conveners

Dr. N.LALITHAMANI

Dr. K.PRABAKARAN

ABOUT THE INSTITUTE

K.S.Rangasamy College of Technology (KSRCT) was started in the year 1994. The institution is located in a scenic campus near Tiruchengode, Tamil Nadu. It is a pioneering Institution in providing quality technical education with 14 U.G., 11 P.G. and 12 Ph.D. programs. The College is approved by AICTE and affiliated to Anna University, Chennai. KSRCT has been granted Autonomous Status by UGC and secured the 99th position in NIRF 2017 ranking and 51 - 100 band in 2023 NIRF Innovation Ranking on Engineering discipline. KSRCT is DST-FIST sponsored, eligible departments are accredited with NBA Tier 1 category and NAAC with A++ grade. This holistic learning experience includes cutting-edge infrastructure, an AICTE - IDEA Lab, an ATAL Community Innovation Centre, MSME incubation centre and IIC 5.0 rated 4 stars with mentor status. The National Technical Textile Mission (NTTM) funded us with Rs.6.5 Crore earmarked for fostering cutting-edge research and development. Nasscom Future Skills Prime certifications, digital libraries, TNSCST IPR Cell, Centre of research excellence and etc., for enhancing students' technical skills are the key areas for growth and development in the campus. The research centres at KSRCT are engaged in consultancy and R&D activities with several funding agencies such as DST, DBT, DAE, CSIR, DRDO and ISRO along with other private industries.

ABOUT THE DEPARTMENT OF MATHEMATICS

Department of Mathematics is committed to teach the various mathematical courses for both the under graduate and post graduate engineering programmes. The total members of faculty in the Department are 17 including 8 doctorates and 7 pursuing their doctoral programmes. The Department has a separate library and computer laboratory conducive for doing the research. The faculty of the Department are actively engaged in research in various fields like differential equations and inclusions, computational fluid dynamics, intuitionistic fuzzy, graph theory, fuzzy differential equations, and totally 91 research articles were published by faculty members in the peer reviewed international and national journals. The number of publications is 62, citations 361 and H index 10 in Scopus indexed journals. The number of publications 26, citations 186 and H index 7 in WoS indexed journals. The Google scholar citation of the department is 788. The software facility available in the department are related to the research using MATLAB, ANSYS, SPSS, Scilab and R programming. It is collaborated with the other engineering departments like AI&DS, AIML, Computer Science, Information Technology, Electrical and Communication Engineering for doing multi-disciplinary research.

ABOUT SEMINAR

This seminar aims to provide a comprehensive understanding of mathematical engineering for both academic and research professionals working in the field. It serves as an effective platform for exchanging high-quality theoretical and applied research related to graphs and their applications, with a special focus on the applications of graphs in machine learning and engineering systems. The seminar will help in updating the skills of participants by covering various aspects of mathematical engineering, including:

- Mathematical modelling and applications of Mathematics in engineering
- Engineering applications of Mathematics
- Importance of Mathematics in engineering applications

Participants will gain knowledge about the essential skills and competencies required for engineering and technological education programs. The seminar will introduce students and faculty to many applications of mathematics in different engineering fields and how they can utilize these concepts in their work. By attending this seminar, the participants will be able to:

- Understand the importance of Mathematics in engineering applications
- Learn about the latest developments in Mathematical modelling and its applications in engineering
- Explore the applications of graphs in machine learning and engineering systems
- Exchange ideas and collaborate with other researchers and professionals working in the field of Mathematical engineering

The seminar will provide a platform for participants to showcase their research, network with peers, and stay updated with the latest trends and advancements in Mathematical engineering.

THEMES

- ✓ Introduction to Mathematical Modelling
- ✓ Applications of Networking and Machine Learning
- ✓ Application of Graphs in Networking System
- ✓ Advances in Graph Modelling

ORGANIZING COMMITTEE

Chief Patron

Mr. R. Srinivasan

Chairman
K.S.R Educational Institutions

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K.S.Rangasamy College of Technology

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Dr. N. Lalithamani

Professor of Mathematics
K.S.Rangasamy College of Technology

Co-Convener

Dr. K. Prabakaran

Professor of Mathematics
K.S.Rangasamy College of Technology

INVITED SPEAKERS



Dr. C. Sivagnanam

Department of Mathematics & Computing Skills
University of Technology and Applied
Sciences - Sur Sultanate of Oman

Dr. G. Mahadevan

Department of Mathematics
Gandhigram Rural Institute
(Deemed to be University)
Dindigul, Tamil Nadu



TARGET GROUP

All Stakeholders of Education | Faculty | Students
Research Scholars | Industrialist

REGISTRATION DETAILS

- Registration fee Rs. 100 (Online Payment only)
- Spot Registration fee: Rs.200 (20th August 2024 from 9:00 AM to 10:00 AM)
- Registration is compulsory for attending the programme
- Registration fee is non-refundable.
- Registration fees only include seminar material kit, lunch and refreshments for all registered delegates

ACCOMMODATION

Paid accommodation will be arranged on prior request at the college hostel or nearby hotels reachable from the seminar venue. For accommodation, contact the organizing committee members.



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Mathematical
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IMPORTANT DATES

Last Date for Registration : **18th August 2024**

Date of the seminar : **20th August 2024**

<https://ksrct.link/q/SeminarMat>

TO REGISTER, SCAN THIS QR CODE



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