



# INTERNATIONAL CONFERENCE ON APPLIED MATHEMATICS, AUTOMATION AND COMPUTING (ICAMAC25)

**In Commemoration of  
Ruby Jubilee Year of  
Kongu Engineering College**



**Organized by**  
**Department of Mathematics**  
**Kongu Engineering College**  
**(Autonomous)**  
**Perundurai, Erode ,Tamil Nadu, India**

**Sponsored by**  
**Tamil Nadu State Council for Science and**  
**Technology**



**Conference Dates:**  
**21 & 22 FEBRUARY, 2025**

## ABOUT THE COLLEGE

Kongu Engineering College, a leading research oriented institution with excellent facilities, run by Kongu Vellalar Institute of Technology Trust [KVITT] was established in the year 1984.The Programmes of the institute are accredited by NBA and the institute is accredited by NAAC for 5 years with the grade of A++.The Institution has completely enclosed with great natural beauty. It consists of 167 acres of land richly endowed with beautiful Greenland. It is an autonomous institution affiliated to Anna University, Chennai. The college has completed 40 years of dedicated and excellent service to the people of India and abroad in the field of Technical Education.The college offers 17 UG Programmes, and 7 PG Programmes in Engineering, Applied Sciences and Management. It is one of the best self-financing engineering colleges imparting high quality technical education in Tamil Nadu, India, and is well-known for its technical excellence, modern facilities, record of performance with excellent results and enterprising students. In the NIRF 2024 rankings, the college has been placed in the 101-150 band in the Engineering category among private engineering colleges.

## ABOUT THE DEPARTMENT

The Mathematics Department occupies a prominent place in the annals of the academic history of the college since its inception in the year 1984. The department offers Ph.D degree programme and produces efficient research scholars.The department has 23 experienced faculty members including 19 doctorates with different specializations in Mathematics and its applications. A good number of research papers are published by the faculty in National/International Journals .

### GET IN TOUCH



Tel : 04294-226612  
 Mobile: 9843889438 /  
 8220422611



icamaac25@kongu.ac.in



Dr. K.Arun Prakash



Kongu Engineering College



Website Link  
<https://icamac.kongu.edu>

## Organizing Committee

### Chief Patron

**Thiru. A.K.Illango, Correspondent, KEC**

### Patron

**Dr. V. Balusamy, Principal, KEC**

### Chair Persons

**Dr.C.Duraisamy**

**Dr.R.Viswanathan**

**Dr.P.Shanmugam**

### Organizing Secretaries

**Dr. M. Dhavamani**

**Dr. P. Vadivel**

**Dr.K. Arun Prakash**

### DEADLINES

**Abstract Submission:  
 20th January, 2025**

**Full paper Submission:  
 8th February, 2025**

**Link for Abstract and Paper  
 Submission**

<https://icamac.kongu.edu>

## REGISTRATION

Category of Delegate / Author (s)	Registration Fee
<b>For Indian Nationals (INR)</b>	
Academician	1500
Student / Research Scholar	1000
Listener	500
<b>For Foreign Nationals (US \$)</b>	
Academician	40

**For Registration, Scan the QR**



### Registration Link

<https://icamac.kongu.edu/register.html>

### Bank Details:

Account Name : Kongu Engineering  
College Grants

AccountNo.:1247155000001832

Bank Name :KARUR VYSYA BANK

Branch Name :KEC Nagar Branch

Branch Code : 1247

IFSC Code : KVBL0001247

MICR Code : 638053013

SWIFT Code :KVBLINBBIND

Address : Kongu Engineering College  
Thoppupalayam, Perundurai - 638 060  
Erode Tamil Nadu, India

**Payment : NET Banking / GPay**

## CONFERENCE THEMES

### Applied Mathematics

- Differential Equations and their Applications
- Numerical Analysis and Computational Techniques
- Optimization and Operational Research
- Probability, Statistics, and Stochastic Processes
- Dynamical Systems and Chaos Theory
- Computational Fluid Dynamics
- Mathematical logic and foundations
- Mathematical Methods in Computational Sciences and Engineering
- Mathematical models for the information society
- Fuzzy Logic, Neural Networks, Fuzzy Set Theory
- Coding Theory, Reliability ,Geometry and Topology, Graph theory and Combinatorics, Computation in Complex Networks, Computational Statistics
- Uncertainty Theory and applications
- Group theory, Fuzzy graphs
- Calculus and differential Equations in Computational Science, Complex Systems: Modeling and Simulation

### Automation

- Modern Power Electronics, Drives and Controls
- Smart Cities & Technologies for Sustainable Development
- Electric Power Generation
- Power System Management Technologies
- Modeling and Simulation of Power Systems
- Smart Grid Technologies
- Micro-grids
- Renewable Energy Systems
- Power Quality
- Hybrid Electric Vehicles
- High Voltage Engineering and Insulation Technology
- HVDC and FACTS, Electricity Market in Smart Grid
- Distributed Generation and Grid Interconnection, Robotics, UAV and Autonomous Vehicle Technologies
- Intelligent Industrial Process Control
- Intelligent Robotics and Control
- Fuel Cell and Battery Technologies
- Embedded Control for Energy Systems
- Signal and Image Processing
- Biomedical Engineering and Systems
- Embedded Systems
- Neural Networks and Intelligent Systems
- MEMS Design
- Satellite and Wireless Communications
- Antennas and Propagation

- Next Generation Mobile Communications
- Communication, 5G Applications and Emerging 6G Technologies
- Sensors, Biosensors, Signal Processing and Applications
- Solid State Devices and Materials
- Optical Communications and Photonics
- RF and Microwave Circuits and Devices
- Wireless/Radio Access Technologies
- Massive MIMO Communication Systems

### Computation

- Applications and case studies in Intelligent Computing, Algorithms and Complexity, Scientific Computing and High-Performance Computing
- Cryptography and Information Security, Quantum Computing
- Artificial Intelligence, Fuzzy control and Intelligent systems, Pattern Recognition and Image Processing
- Big Data Analytics and Mining, Distributed and Cloud Computing, IoT- Sensors and its applications
- Software Defined Network (SDN), IoT -based Big Data Analytics, Information Security, Data security and Data privacy, Communication Networks and security

### SUBMISSION GUIDELINES & INDEXING

Faculty members/research scholars/scientists from India and abroad are invited to submit original and unpublished research articles on the topics related to the conference. Research papers should present novel perspectives within the general scope of the conference. The abstract and manuscript must adhere to the conference template format which is available in the conference website (<https://icamac.kongu.edu/>). The papers received will be peer reviewed and the accepted quality papers will be published by Taylor & Francis as a Proceedings book (Scopus Indexed) entitled "Applied Mathematics, Automation and Computing" with a minimum publication charge/Scopus Indexed Book Chapter with an additional publication charge / a Journal indexed in Google Scholar with an amount of Rupees 2000 .

## COMMITTEE MEMBERS

Dr. A.Manimaran  
Dr. K.V.Tamil Selvi  
Dr. AL.Nachammai  
Dr. B.Usha  
Dr. S.Sathya  
Dr. J.Revathi  
Mrs.N.Suganya Baby  
Dr. V.S.Hemachandira  
Dr. M.Suresh  
Dr. M.Harikrishnan  
Mr. D.Gurukumaresan  
Mrs.K.V.Udayanatchi  
Dr. V.Yamuna  
Mr. B.Jeevanandan  
Dr. K.Radhika

## IMPORTANT DATES

Last date for receipt of abstract : **20.01.2025**  
Intimation of acceptance of abstract : **25.01.2025**  
Last Date for Full length paper submission : **08.02.2025**  
Last date for conference registration : **15.02.2025**  
Last Date for Intimation of final acceptance from Participants : **17.02.2025**  
Conference registration opens on : **26.01.2025**  
Conference registration ends on : **15.02.2025**

## ACCOMMODATION

Accommodation will be provided for the participants on request, at a nominal cost in the college campus.

## ADVISORY COMMITTEE

- Dr. Mohana Sundaram Muthuvalu, UT PETRONAS, Malaysia
- Dr. Md. Golam Hafez, CUET Bangladesh
- Dr. Priyanka Kumar, UTPB, USA
- Dr. Dilshan De Silva, SLIIT Sri Lanka
- Dr. SafiyeTurgay,SAU, Turkey
- Dr. Sharfuddin Ahmed Khan U of R, Canada
- Dr. Gopal Krishna Patra,Chief Scientist, CSIR4PI, India
- Dr. Deepak Subramani, IISc, India
- Dr. Natesan Srinivasan, IITG, India
- Dr. A. Swaminathan, IITR, India
- Dr. N.Sukavanam, IITR, India
- Dr. Akshay Kumar Ojha,IITBBS India
- Dr. K. Balachandran, BU, India
- Dr. K.Murugesan, NITT, India
- Dr. M.Anand Kumar , NITK, India
- Dr. Sunil Jacob John, NITC, India
- Dr. P.Kandasamy, Coimbatore,India
- Dr. K. Kaliraj , UNOM, India
- Dr. P. Balasubramaniam, GRU India
- Dr. R.Sakthivel, BU, India
- Dr. P Prakash, PU, India
- Dr. Sunny Kuriakose, FIST, Kerala, India
- Dr. S.Marshal Antony, AURCC, India
- Dr. K. Mathiyalagan, BU, India

## KEY NOTE SPEAKERS



Dr.Natesan Srinivasan  
Professor  
Department of Mathematics  
Indian Institute of Technology  
Guwahati  
Guwahati, Assam, India



Dr. Mohana Sundaram Muthuvalu  
Professor  
Department of Fundamental & Applied Sciences  
University Teknologi PETRONAS  
Malaysia



Dr. Md. Golam Hafez ,  
Professor  
Department of Mathematics  
Chittagong University of Engineering & Technology  
Chattogram , Bangladesh.



Dr. M.Anand Kumar  
Associate Professor  
Department of Information Technology  
National Institute of Technology  
Karnataka, Surathkal  
Karnataka, India.



Dr. K. Kaliraj  
Assistant professor  
Department of Ramanujan  
Institute for Advanced Study in Mathematics,  
University of Madras,  
Chennai, India