



# PERIYAR UNIVERSITY

State University - NAAC 'A++' Grade - NIRF Rank 94 State Public University Rank 40 - SDG Institutions Rank Band: 11-50, Salem - 636 011, Tamil Nadu, India.



## International Conference on “ARTIFICIAL INTELLIGENCE TECHNIQUES & SMART COMPUTING” (ICAITS2026)



### ORGANIZING COMMITTEE

**Chief Patron(s)**  
Tmt. E. Sundaravalli, I.A.S.  
Convenor, Vice Chancellor Committee  
Periyar University, Salem, TN  
Prof. R. Subramani  
Member, Vice Chancellor Committee  
Periyar University, Salem, TN  
Dr. S. Jayanthi  
Member, Vice Chancellor Committee  
Periyar University, Salem, TN

**Patron**  
Dr. V. Raj  
Registrar (FAC)  
Periyar University, Salem, TN

### CONVENOR

**Dr. C. Chandrasekar**  
Senior Professor and Head,  
Department of Computer Science,  
Periyar University, Salem, TN

### ORGANIZING SECRETARIES

**Dr. H. Hannah Inbarani**  
Professor,  
Department of Computer Science,  
Periyar University, Salem, TN  
**Dr. I. Laurence Aroquiara**  
Professor,  
Department of Computer Science,  
Periyar University, Salem, TN

### ORGANIZING MEMBERS

**Dr. R. Rathipriya**  
Professor,  
Department of Computer Science,  
Periyar University, Salem, TN  
**Dr. S. Sathish**  
Associate Professor,  
Department of Computer Science,  
Periyar University, Salem, TN

### INTERNATIONAL ADVISORY COMMITTEE

**Dr. Ahmed J. Obaid**,  
University of Kufa, Iraq  
**Dr. M. Ashok Kumar**,  
BlueCrest University, Liberia, West Africa  
**Dr. Ganesh R. Naik**,  
Flinders University, Australia  
**Dr. Gunasekaran Thangavel**,  
University of Technology and Applied Sciences-HCT, Oman  
**Prof. Lai Khin Wee**,  
University of Malaysia, Malaysia  
**Prof. Luis Martinez Lopez**,  
University of Jaen, Spain  
**Prof. Massimo Ficco**,  
University of Campania Luigi Vanvitelli, Italy  
**Dr. Muthumainnath Yakin**,  
Universitas Al Azhariah Mandar, Indonesia  
**Dr. Nithya Redha Sivakumar**,  
Princess Nourah Bint Abdulrahman University, Saudi Arabia  
**Dr. Preethi Ananthachari**,  
Ahlia University, Bahrain  
**Prof. Sudhir Dutt**,  
University of Oulu, Finland  
**Prof. Tsung-pai Hong**,  
National University of Kaohsiung, Taiwan  
**Prof. Valentina E. Balas**,  
Aurel Vlaicu University of Arad, Romania  
**Prof. Xiao-zhi Gao**,  
University of Eastern Finland, Finland  
**Prof. Yui Wing Leung**,  
Hong Kong Baptist University, Hong Kong  
**Prof. Yuval Shavit**,  
Tel Aviv University, Israel

### NATIONAL ADVISORY COMMITTEE

**Dr. K. A. Abdul Nazeer**,  
National Institute of Technology Calicut, Calicut, Kerala, India  
**Dr. Choudhary Shyam Prakash**,  
National Institute of Technology Andhra Pradesh,  
Andhra Pradesh, India  
**Dr. K. Himabindu**,  
National Institute of Technology Andhra Pradesh,  
Andhra Pradesh, India  
**Dr. R. Leela Velusamy**,  
National Institute of Technology Tiruchirappalli, Tiruchirappalli,  
Tamil Nadu, India  
**Dr. Mushtaq Ahmed**,  
Malaviya National Institute of Technology (MNIT)  
Jaipur, Jaipur, Rajasthan, India  
**Dr. Namita Mittal**,  
Malaviya National Institute of Technology Jaipur, Jaipur,  
Rajasthan, India  
**Dr. Neeta Nain**,  
Malaviya National Institute of Technology Jaipur, Jaipur,  
Rajasthan, India  
**Mr. K. Nivas**,  
Sify Technologies Pvt.Ltd., Tidel Park, Chennai, Tamil Nadu, India  
**Dr. A. Prasanth**,  
Vel Tech University, Chennai, Tamil Nadu, India  
**Dr. Saikat Gochhait**,  
Symbiosis International University, Pune, Maharashtra, India  
**Mrs. Salom Jerlin**,  
Hitake Tech Solution, Trichy, Tamil Nadu, India  
**Dr. S. Selvakumar**,  
National Institute of Technology Tiruchirappalli, Tiruchirappalli,  
Tamil Nadu, India  
**Dr. Senthil Kumar Sengottaiyan**,  
Ant Philosophy Technology & Services Pvt. Ltd., Bangalore,  
Karnataka, India  
**Dr. Sipra Das Bit**,  
Indian Institute of Engineering Science and Technology (IIEST)  
Shibpur, West Bengal, India  
**Dr. K. S. Sowmya Rani**,  
Sowmya\_AWW, Coimbatore, Tamil Nadu, India  
**Dr. Susanta Chakraborty**,  
Indian Institute of Engineering Science and Technology (IIEST)  
Shibpur, West Bengal, India  
**Dr. Sweta Jain**,  
Maulana Azad National Institute of Technology (MANIT),  
Bhopal, Madhya Pradesh, India  
**Dr. Tanmay De**,  
National Institute of Technology Durgapur, Durgapur,  
West Bengal, India  
**Dr. M. Thangarasu**,  
CGVAK, Coimbatore, Tamil Nadu, India  
**Dr. S. Udhaya Kumar**,  
Principal Data Scientist, HDFC Bank, Chennai,  
Tamil Nadu, India  
**Dr. T. Veerakumar**,  
National Institute of Technology Goa, Goa, India

Organized by

## Department of Computer Science



Hybrid  
mode

### INVITED SPEAKERS



**Dr. A. Paventhan**  
Senior Director, HoD-Research &  
Development, Scientist -G, ERNET  
India, Ministry of Electronics & IT,  
Government of India



**Dr. Pramod Pisharady**  
Chan Zuckerberg Imaging Scientist  
Center for Magnetic Resonance  
Research (CMRR),  
University of Minnesota (UMN)  
United States



**Mr. Shanthababu Pandian**  
Director-Data and AI (Data and  
AI Engineering)  
Rolan Software Service, London,  
United Kingdom

### ABOUT THE DEPARTMENT

The Department of Computer Science at Periyar University, established in 2002, is dedicated to providing high-quality education in Computer Science and its applications. The department offers postgraduate programmes including MCA, M.Sc. (Computer Science) and M.Sc. (Data Science), along with a doctoral programme in Computer Science covering both core and emerging areas such as Artificial Intelligence, Machine Learning, Deep Learning, Natural Language Processing, Bioinformatics and Genomic Data Analysis, Computer Networks, and Image and Signal Processing. With a dynamic and regularly updated curriculum delivered by experienced faculty, the department places strong emphasis on academic excellence, innovation, and skill development. Faculty members actively contribute to research, publishing extensively in reputed national and international journals. Through funded research projects, publications, workshops, and conferences, the department fosters a culture of ethical computing, research excellence, and innovation, equipping graduates for impactful careers in industry, academia, and society.

### ABOUT THE CONFERENCE

The International Conference on Artificial Intelligence Techniques and Smart Computing (ICAITS2026) serves as a multidisciplinary forum that brings together researchers, academicians, industry experts, and practitioners to explore recent advances and emerging trends in artificial intelligence and smart computing. The conference covers a broad spectrum of themes, including AI for healthcare and bioinformatics, computer vision and imaging, signal processing and edge intelligence, machine learning and computational intelligence, data science, big data and high-performance computing, and AI-driven solutions for agriculture and sustainable systems. ICAITS2026 aims to foster innovation through the integration of intelligent algorithms, data-centric approaches and scalable computational frameworks, encouraging research that bridges theory with real-world applications and contributes to technological progress and societal well-being.

### AIM & OBJECTIVES OF THE CONFERENCE

#### Aim:

The conference aims to provide an international platform for researchers, academicians, and industry professionals to exchange ideas, present research findings, and promote responsible Artificial Intelligence Research and innovation addressing societal, industrial, and global challenges.

#### Objective:

- To promote responsible AI research and innovation that addresses societal, industrial, and global challenges.
- SDG 3 – Good Health & Well-Being: AI for healthcare, medical imaging, and intelligent health systems.
- SDG 4 – Quality Education: Global knowledge exchange, research skills, and AI-enabled learning.
- SDG 8 – Decent Work & Economic Growth: Industry-academia collaboration, skills, and AI entrepreneurship.
- SDG 9 – Industry, Innovation & Infrastructure: Next-gen AI, intelligent systems, and digital infrastructure.

### CALL FOR PAPERS

Authors are invited to submit original and unpublished research articles that are not under review by any other conference or journal. Only accepted and duly registered papers will be scheduled for presentation at the conference. For inclusion in the book proceedings, at least one author of each accepted paper must complete the conference registration; papers without a registered author will not be considered for publication. For further information, please refer to the official conference website. All paper submissions must be made ONLY through the Microsoft CMT submission portal. Authors who are new to Microsoft CMT must create a login account before submission.

The conference will focus on artificial intelligence techniques and smart computing applications across diverse domains, including but not limited to:  
**Track 1: AI for Healthcare & Bioinformatics**  
Medical imaging, clinical intelligence, omics analysis, precision medicine.  
**Track 2: Computer Vision & Imaging**  
Deep learning, image/video analytics, detection, segmentation, multimodal vision.  
**Track 3: Signal Processing & Edge Intelligence**  
Smart sensing, IoT, time-frequency analysis, edge and energy-efficient AI.

### PUBLICATIONS

The following publishers have confirmed the proposal to publish the selected papers presented during the Conference:  
Selected high-quality papers will be published as book chapters in the Scopus-indexed edited volumes  
\* Beyond Algorithms: Next-Gen AI for Health, Agriculture, and Humanity \* or \* Computational Intelligence & Knowledge-Based Systems: Models, Algorithms & Applications \*, subject to publisher scope and editorial policies.

Category	Participant Type	Fee
Indian Participants	Faculty / Scientists (Academic & Research Institutions)	₹5,900 (₹5,000 + 18% GST)
	Full-time Research Scholars (Post-Doctoral / Ph.D) / PG Students	₹5,900 (₹5,000 + 18% GST)
International Participants (Outside India)	Participants (Non-Authors)	₹1770 (₹1,500 + 18% GST)
	Faculty / Scientists (Online / Onsite)	USD 101 (₹5 + 18% GST)

#### Note:

- For International Participants: Kindly be informed that any bank charges, currency conversion charges, or international transfer fees, if applicable, shall be borne by the paper/book. International participants are kindly requested to ensure that the full registration amount is credited to the conference account.
- The registration fee is inclusive of the conference kit, participation certificate, lunch, and refreshments.

Bank Account Details	
Account Name:	Professor and Head, Department of Computer Science
Account No.:	845010100449
Bank Name:	Canara Bank
Branch Name:	Periyar University Campus
Branch Code:	08450
IFSC Code:	CNBB0008450
MICR Code:	636015024
SWIFT Code:	CNBBINBBBFD
Address:	Canara Bank, Periyar University Campus Branch, Salem - 636011, Tamil Nadu, India.



Taylor & Francis

WILEY



#### ACCOMMODATION

Accommodation is available at ₹700 per day. Food charges will be extra and payable separately, based on the participants' requirements.

#### CONTACT DETAILS

WEBSITE LINK: <https://icaitsc2026.periyaruniversity.ac.in/>  
MICROSOFT CMT PAPER SUBMISSION LINK :  
<https://cmt3.research.microsoft.com/ICAITS2026>  
MAIL ID: [icaitsc2026@periyaruniversity.ac.in](mailto:icaitsc2026@periyaruniversity.ac.in)

Dr. H. Hannah Inbarani: 9865380392, Organizing Secretary (ICAITS2026)  
Dr. I. Laurence Aroquiara: 9894358505, Organizing Secretary (ICAITS2026)

26th - 27th Feb 2026

Venue : Seminar Hall, Dept of Computer Science