



SAVEETHA COLLEGE OF NURSING, SAVEETHA UNIVERSITY

THANDALAM, CHENNAI - 602 105.



International Conference on AIML, and Data-Driven Technologies for Biomedical Signal, Image and Clinical Processing on Smart and Predictive Healthcare IcSCON - 2026

The International Conference on AIML and Data-Driven Technologies for Biomedical Signal, Image, and Clinical Processing for Smart and Predictive Healthcare (IcSCON2026) provides a premier global platform for researchers, academicians, industry professionals, and clinicians to exchange knowledge and present innovations at the intersection of artificial intelligence, machine learning, and biomedical engineering. The conference focuses on the transformative role of AI and data-driven technologies in biomedical signal and image processing, clinical data analytics, and smart healthcare solutions, highlighting advancements that enable predictive, personalized, and patient-centric care. Through keynote talks, technical sessions, panel discussions, and workshops, IcSCON2026 encourages interdisciplinary collaboration across engineering, medicine, and data science to address real-world healthcare challenges, foster innovation, and accelerate the integration of intelligent technologies into clinical practice for improved diagnostics, treatment, and healthcare outcomes.

THEME : ADVANCING SMART AND PREDICTIVE HEALTHCARE THROUGH AI, MACHINE LEARNING AND DATA-DRIVEN INNOVATION

Technical Tracks

- Track 1: Advanced Health Informatics & AI
- Track 2: Connected & Digital Health Systems (IoT)
- Track 3: Medical Electronics & Instrumentation
- Track 4: Advanced Biodevices & Sensor Technology
- Track 5: Biomechanics & Rehabilitation Engineering
- Track 6: Bio-fabrication & Therapeutic Engineering
- Track 7: Clinical & Systems Operations
- Track 8: Robotics & Automation (Interventional)

Chief Patron's



Dr N.M. Veeraiyan
Founder – Chancellor,
SIMATS



Dr Deepak Nallaswamy
Pro Chancellor,
SIMATS



Conference Dates
19 - 20 Jun 2026

Mr. G. Santhosh

E-Mail: icscon2026@saveetha.ac.in



Contact No
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International Keynote Speakers



Dr. Aswathi Kalarickal Varghese RN,
Secretary - Virginia Indian Nurses
Association
Richmond, USA.



Dr. Latha Venkatesan
Professor cum Principal,
College of Nursing, AIIMS New Delhi
Honorary Professor, Queen's University
Belfast, UK.



Dr. Porkodi Arjunan
Associate Professor,
Nursing Department
College of Applied Medical Sciences, King
Faisal University, Saudi Arabia.

National Keynote Speaker



Dr. Dinesh Selvam.S M.Sc(N), Ph.D
Principal & Professor
Amity College of Nursing
Amity University
Haryana.



Dr. Saraswathi Nagaraj,
Chief Operating Officer,
The Family Tree Hospital,
Tirupati, Andhra Pradesh.

Conference Committee

1. Chief Patron :

- Dr N.M. Veeraiyan
Founder – Chancellor, SIMATS
- Dr Deepak Nallaswamy
Pro Chancellor. SIMATS

2. Patrons :

- Dr Ashwani Kumar
Vice Chancellor, SIMATS
- Dr V. Thiagarajan
Pro VC (Research), SIMATS
- Prof Dr Sheeja Varghese
Registrar (Academics), SIMATS

3. Advisory Committee:

a. International

- Dr. Aswathi Kalarickal Varghese, Secretary - Virginia Indian Nurses, Association Richmond, Virginia United States of America (USA).
- Dr. Porkodi Arjunan, Associate Professor, Nursing Department College of Applied Medical Sciences, King Faisal University, Saudi Arabia.

b. National

- Dr R. Vijayalakshmi, Principal, Saveetha College of Nursing, SIMATS.
- Dr L. Parimala
Vice Principal, Saveetha College of Nursing, SIMATS.
- Dr. Dinesh Selvam.S, Principal & Professor, Amity College of Nursing Amity University, Haryana.

4. General Chairs :

- Dr. C. Muthulakshmi, Associate Professor, Department of Obstetrics & Gynecological Nursing, Saveetha College of Nursing, SIMATS
- Dr. Sindhu Ramalingam, Associate Professor, Department of Obstetrics & Gynecological Nursing, Saveetha College of Nursing, SIMATS

5. Steering Committee:

- Dr Tamilselvi S, Professor, Department of Community Health Nursing, Saveetha College of Nursing

6. Program chairs :

- Dr Karpagam, Associate Professor, Department of Medical Surgical Nursing, Saveetha College of Nursing, SIMATS
- Dr Beautily V, Associate Professor, Department of Child Health Nursing, Saveetha College of Nursing, SIMATS

7. Organizing Chairs :

- Dr Thenmozhi P, Professor & HOD, Department of Medical Surgical Nursing, Saveetha College of Nursing, SIMATS
- Mr. Ajith M, Assistant Professor, Department of Child Health Nursing, Saveetha College of Nursing, SIMATS

8. Publication chairs:

- Dr Thenmozhi P, Professor & HOD, Department of Medical Surgical Nursing, Saveetha College of Nursing, SIMATS
- Dr G. Bhuvaneshwari, Professor & HOD, Department of Community Health Nursing, Saveetha College of Nursing

9. Registration chairs:

- Dr Mary Minolin T, Professor & HOD, Department of Child Health Nursing, Saveetha College of Nursing.
- Dr Meena P, Associate Professor, Department of Child Health Nursing, Saveetha College of Nursing, SIMATS
- Mrs Jagadeeswari J, Assistant Professor, Department of Obstetrics & Gynecological Nursing, Saveetha College of Nursing, SIMATS
- Mrs Priyadarshni A, Assistant Professor, Department of Child Health Nursing, Saveetha College of Nursing, SIMATS

10. Technical Program Committee:

- Mrs. Dayana BAA, Assistant Professor, Department of Medical Surgical Nursing, Saveetha College of Nursing, SIMATS
- Mrs. Cecyli. C, Assistant Professor, Department of Medical Surgical Nursing, Saveetha College of Nursing, SIMATS



Conference Tracks

Track 1: Advanced Health Informatics & AI

Domains:

- o AI, Data Science & Computing for Healthcare
- o AI, Big Data & Precision, high performance Healthcare
- o Health Informatics Engineering
- o Cyber security, Privacy & Blockchain in Healthcare

Track 2: Connected & Digital Health Systems (IoT)

Domains:

- o IoT, Wearable Devices & Smart Healthcare Systems
- o Telemedicine, Remote Monitoring & e-Health Systems
- o Cloud, Edge Computing & Digital Twins for Health
- o Smart Hospitals, Digital Twins & Healthcare Automation

Track 3 : Medical Electronics & Instrumentation

Domains:

- o Medical Electronics, VLSI & Signal/Image Processing
- o Micro/Nano-Electronics for Medicine
- o Embedded Systems & Real-Time Health Applications

Track 4: Advanced Biodevices & Sensor Technology

Domains:

- o Biomedical Devices, Sensors & Lab-on-Chip Technologies
- o Novel Therapeutics, Nanotech & Immersive Technologies (Focusing on Nanotech delivery systems)
- o Materials Engineering (Focusing on sensor and device materials)

Track 5: Biomechanics & Rehabilitation Engineering

Domains:

- o Rehabilitation Engineering
- o Assistive Technologies in Medicine
- o Medical Robotics Engineering (Focusing on robotic surgery and exoskeletons)

Track 6: Biofabrication & Therapeutic Engineering

Domains:

- o Regenerative Medicine & Advanced Biofabrication
- o Novel Therapeutics, Nanotech & Immersive Technologies (Focusing on therapeutics)
- o Materials Engineering (Focusing on bio-scaffolding and implants)

Track 7: Clinical & Systems Operations

Domains:

- o Industrial & Systems Engineering
- o Clinical Engineering

Track 8: Robotics & Automation (Interventional)

Domains:

- o Medical Robotics Engineering (Focusing on surgical/interventional systems)
- o Smart Hospitals, Digital Twins & Healthcare Automation (Focusing on automation systems)
- o Embedded Systems & Real-Time Health Applications (As the control foundation)



About the Host Institute

Saveetha College of Nursing, under Saveetha University, carries a proud legacy of over three decades of excellence in nursing education and healthcare. Established with a vision to transform nursing into a highly professional and research-driven discipline, the institution is committed to generating, preserving, and disseminating knowledge, while simultaneously working with communities and healthcare systems to address some of the world's most pressing health challenges.

With a strong emphasis on academic rigor and practical exposure, the college provides its students with a holistic education that blends theoretical learning with the excitement of discovery and innovation. The vibrant and diverse campus community nurtures intellectual growth, cultural inclusivity, and a supportive environment for personal and professional development.

One of the college's greatest strengths is its affiliation with a 1200-bedded multi super-specialty parent hospital, which is equipped with state-of-the-art facilities, advanced medical technologies, and a highly skilled clinical team. This strong clinical integration ensures that students gain hands-on experience, exposure to real-world healthcare scenarios, and the ability to apply classroom knowledge in patient-centered practice.

Saveetha College of Nursing aims to be a global leader in nursing education by fostering innovation, research, and interdisciplinary collaboration. With a unique pedagogy that blends rigorous academics and hands-on clinical practice, the college prepares future nurses with competence, compassion, and leadership skills to meet modern healthcare needs. Guided by a mission to nurture wisdom, creativity, and responsibility, it strives to develop professionals who uphold ethical values and contribute to advancing healthcare worldwide



Submission guidelines

The full paper must be submitted through the platform Microsoft Conference Management Tool Kit (CMT) Each author confirms that he is aware of the Publication Ethic & Malpractice Statement and the Privacy Policy of the event. Authors are expected to have Scope, Novelty, Validity, data reported, analyzed, and interpreted correctly, Clarity, Compliance, and significant contribution in their articles and must meet the guidelines of format. The maximum number of pages is allowed only Five (5).

Review Process & Indexing

All accepted and presented papers will be submitted for inclusion in the Conference Proceedings, subject to meeting scope and quality requirements. Articles will be submitted to Scopus indexing platforms and are subject to quality parameters and indexing guidelines.

Registration Charges

Type of Registration	Indian Author	Foreign Author
UG & PG Students	15,000/- + (GST 18%)	USD 300
Academicians / Research Scholars	16,000/- + (GST 18%)	USD 350
Industry Participants	17,000/- + (GST 18%)	USD 400

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Information to Authors

Conference Website: www.icscon2026.in

Paper Format: <https://rb.gy/lygt9i>

CMT Link (Paper submission):

<https://cmt3.research.microsoft.com/IcSCON2026>

Registration Link : <https://forms.gle/u8ArnBDX5dq6fKQx8>

Important Dates

Submission Deadline : 10th, April 2026.

Acceptance Notification : 20th, April 2026.

Registration Deadline : 30th, April 2026.

Conference Dates : 19 - 20, Jun 2026.

Venue

Saveetha College of Nursing,

Saveetha Institute of Medical and Technical Sciences,

Thandalam, Chennai - 602 105.

