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# 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 IcSCON2025

The International Conference on AIML and Data-Driven Technologies for Biomedical Signal, Image, and Clinical Processing for Smart and Predictive Healthcare (IcSCON2025) 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, IcSCON2025 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**  
13 - 14 Feb 2026

**Dr. G. Sreenivasan | Mr. R. Suresh**  
E-Mail: [icscon2025@saveetha.edu.in](mailto:icscon2025@saveetha.edu.in)



**Contact No**  
**+91 8519 8484 84**

## International Keynote Speakers



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



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



**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,  
Family Tree Hospital,  
Bairagipatteda, 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. Latha Venkatesan, Professor cum Principal, College of Nursing, AIIMS New Delhi Honorary Professor, Queen's University Belfast, UK
- 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 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

The full paper must be submitted through **CMT**. Final papers with Plagiarism of less than 10% undergo a review process. All the accepted and presented papers will be submitted to **Taylor & Francis Conference proceedings** and indexed in **SCOPUS.(subjected to the meeting Guidelines)**.

## Registration Charges

Type of Registration	Indian Author	Foreign Author
UG & PG Students	9,500/- + (GST 18%)	USD 200
Academicians / Research Scholars	10,000/- + (GST 18%)	USD 300
Industry Participants	12,000/- + (GST 18%)	USD 350

## Information to Authors

Conference Website:

Paper Format:

CMT Link (Paper submission):

Registration Link :

## Important Dates

Submission Deadline : 30, Dec 2025

Acceptance Notification : 11, Jan 2026

Registration Deadline : 20, Jan 2026

Conference Dates : 13 - 14, Feb 2026.

## Payment Details

Account Number: 1412135000009470

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## Venue

Saveetha College of Nursing,

Saveetha Institute of Medical and

Technical Sciences,

Thandalam, Chennai - 602 105

