

## About Institution

SRM Institute of Science and Technology (SRMIST) is a premier university in India, boasting over 52,000 full-time students and more than 3,200 faculty members across its campuses in Kattankulathur, Ramapuram, Vadapalani (all in and around Chennai), Tiruchirappalli (Tamil Nadu), and Modinagar (NCR, Delhi). The university offers a diverse range of undergraduate, postgraduate, and doctoral programs across six faculties: Engineering & Technology, Management, Medicine & Health Sciences, Science & Humanities, Law, and Agricultural Sciences.

Visiting Professors from abroad Universities, flexible and dynamic curriculum, cutting edge research and global connectivity are the features that set SRMIST apart. Students have a wide choice of cutting edge programmes.

- Ranked 12th under the University category by NIRF 2024.
- Accredited by NAAC with the highest grade of 'A++'.
- Study Abroad Program & Internships.
- Excellent Placement Record with super dream and International Offers.
- Value Added Courses and Foreign languages

## Guest Speaker

1. **Dr. Chandrasekaran. S.**  
Former Professor, Dual Doctorate.  
Department of CSE &  
Department of Tamil,  
(Rtd) Sri Krishna College of Engineering,  
Bharathiyar University,  
Coimbatore, Tamil Nadu, India.
2. **Neechalkaran S. Rajaraman,**  
Technology Lead,  
Infosys,  
Chengalpattu,  
Tamil Nadu, India
3. **Dr. Durai Manikandan,**  
President – Tamil Internet Academy,  
Guest Lecturer, Department of Tamil,  
Govt. Arts and Science College,  
Srirangam, Tamil Nadu, India.
4. **Mr. S. Edward Packiaraj,**  
Educational Consultant and  
Multimedia Specialist,  
Rosary e-Solutions Pvt.Ltd,  
Tiruchirappalli, Tamil Nadu, India.

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Professor & Dean (Engg & Tech)  
Department of Computer Science Engineering  
SRM IST – Tiruchirappalli

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School of Computing,  
SRM IST – Tiruchirappalli

**Dr. S. Saravanakumar**

Professor  
School of Computing,  
SRM IST – Tiruchirappalli



## Modern Tamil Computing Summit 2025

### Empowering Tamil through Language Technology: From Linguistic Foundations to Large Language Models

நவீனக் கணினித் தமிழ் மாநாடு  
2025

மொழித் தொழில்நுட்பத்தின் மூலம்  
தமிழை மேம்படுத்துதல்:  
மொழியில் அடிப்படைகள் முதல்  
LLM வரை

Nov 13 – 14, 2025

Organized  
by  
Faculty of Engineering & Technology



**SRM INSTITUTE OF SCIENCE AND TECHNOLOGY  
TIRUCHIRAPPALLI**

(Deemed to be university  
Accredited by NAAC with 'A ++' grade)  
Trichy – Chennai Highways, Near Samayapuram,  
Tiruchirappalli, Tamil Nadu – 621105.  
[www.srmtrichy.edu.in](http://www.srmtrichy.edu.in)

## Programme Theme

The theme of this program reflects the evolving journey of Tamil in the age of artificial intelligence. From the deep foundations of Tamil linguistics to the cutting-edge development of large language models (LLMs), the event aims to explore how modern technologies can preserve, promote, and enhance the Tamil language. With a focus on speech technologies, natural language processing (NLP), digital tools, civic applications, and inclusive AI, this program brings together researchers, technologists, educators, and innovators to shape a future where Tamil thrives in digital ecosystems. It also honors the cultural legacy of Tamil civilization while embracing the innovations of the digital era.

இந்த நிகழ்ச்சியின் தலைப்பு செயல்பட நுண்ணறியின் பகுதியில் தமிழின் வளர்ச்சி பாதையை பிரதிபலிக்கிறது. தமிழின் ஆயமான மொழியில் அடிப்படைகளிலிருந்து LLM வரை செல்லும் பயணத்தை இந்த நிகழ்ச்சி நோக்கமாகக் கொண்டுள்ளது. பல பேச்சுத் தொழில்நுட்பங்கள், NLP, மொழி தேடல் மற்றும் பிற பெரிய சேவைகளுக்கான பயன்பாடு மற்றும் உலோக விரிவாக்கத்தின் நோக்கத்தில் அமைந்துள்ளது. தமிழ் மொழியின் வளர்ச்சிக்கான வழிமுறைகள் மற்றும் இலக்குகளை வடிவமைக்கவும், ஆராய்ச்சி, கல்வி மற்றும் பயன்பாட்டுத் திறன்களை ஆய்வாளர்களுக்கும் மற்றும் புதியதாக ஆர்வமுள்ளவர்களுக்கும் பகிர்ந்து கொள்வதற்கு இந்த நிகழ்ச்சி பரிமாற்ற மேடையாகவும், இதே போன்று பயணத்தைத் தொடரும் ஆர்வமுள்ள தலைமுறைகளுக்கும் தொடக்கமாகவும் நோக்கம்கொள்கிறது.

## Instructions to the Participants

- Faculty members from the AICTE approved institutions, research scholars and UG students.
- There is no registration fee to attend this program
- The interested members must visit <https://www.aicte-india.org/atal> register themselves by providing all their personal and student/employment details.
- Participants are selected on first come first serve basis (Max. 100 participants).
- A minimum of 90% Attendance is mandatory.
- Based on Continuous Comprehensive Assessment - Overall 70% to receive a certificate.

## 1. Exhibition hub

### Theme:

- “Technological Growth of Tamil: From Kumarikandam to the Digital Age”
- குமரிக்கண்டம் முதல் டிஜிட்டல் யுகம் வரை: தமிழின் தொழில்நுட்ப முன்னேற்றம்

### Exhibition Stalls May Include:

- Ancient tools, scripts & inventions attributed to early Tamil civilization
- Tech reinterpretation of Kumarikandam myths (interactive 3D models, AR displays)
- Evolution of Tamil in science, navigation, astronomy, and engineering
- Timeline of Tamil computing: From early digital fonts to AI in Tamil NLP
- Tamil in modern tech: OCR, speech synthesis, and AI language models
- Community-driven Tamil tech innovations and startups

### Session Activity:

- Visitors can interact with historians, technologists, and innovators working at the intersection of Tamil heritage and futuristic technology.

## 2. Hackathon (24 hours)

### Theme:

- “Tamil AI for the People: Accessibility, Governance & Civic Tech”
- மக்களுக்கு தமிழ் செயற்கை நுண்ணறிவு: நலவாழ்வு, அரசு மற்றும் பொதுச் சேவைகள்

### Focus Areas:

- Tamil Voice Bots for Government Services
- Assistive Tech for Visually Impaired (TTS, OCR)
- Local Language Chatbots
- Tamil Open Data Visualization (e.g., Census, Agriculture)
- Civic Complaint App with Tamil Voice Interface

### Session Activities:

- Final prototype refinement and presentation
- Jury evaluates based on innovation, impact, and usability
- Prizes awarded in the valedictory

## 3. Paper presentation (Day 01)

### Theme:

- “Emerging Research in Tamil Computing and AI”
- தமிழ் கணனி மற்றும் செயற்கை நுண்ணறிவில் உருவாகும் ஆராய்ச்சிகள்

### Suggested Domains(Not limited to):

- Natural Language Processing (NLP) for Tamil
- Speech Processing – ASR/TTS for Tamil
- Machine Translation (Tamil ↔ Other Languages)
- AI in Tamil Education and Literacy
- Named Entity Recognition and Text Classification
- Tamil Script Recognition (OCR)
- Sentiment & Emotion Analysis in Tamil
- Multimodal Applications with Tamil Data (Audio + Text + Image)
- Corpus Creation and Benchmarking for Tamil
- Ethics and Bias in Tamil LLMs

### Session Flow:

- Parallel technical tracks with Q&A
- Expert chairs for each session
- Best Paper Awards announced in Valedictory

