

# ICDSA AI 2026

CONFERENCE PROCEEDINGS

International Conference on  
**DATA SCIENCE, AGENTS &  
ARTIFICIAL INTELLIGENCE 2026**

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CHENNAI INSTITUTE OF TECHNOLOGY



## ICDSA AI Secretariat

Sarathy Nagar, Kundrathur,

Chennai - 600069, Tamilnadu, India.

E-mail: [icdsaai.secretariat@citchennai.net](mailto:icdsaai.secretariat@citchennai.net)

Web: [www.citchennai.edu.in/icdsaai](http://www.citchennai.edu.in/icdsaai)

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on  
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In Association with



**ICDSAAI Secretariat**

Sarathy Nagar, Kundrathur,  
Chennai - 600069. Tamilnadu, India.  
E-mail: [icdsaai.secretariat@citchennai.net](mailto:icdsaai.secretariat@citchennai.net)  
Web: [www.citchennai.edu.in/icdsaai](http://www.citchennai.edu.in/icdsaai)  
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## Welcome Message

**Dear Esteemed Guests, Distinguished Speakers, Researchers, and Participants,**

It is with great pleasure that I welcome you all to the 4th IEEE International Conference on Data Science, Agents, and Artificial Intelligence (ICDSAAI 2026), hosted at the Chennai Institute of Technology in Chennai, India, from 26th to 28th March 2026. This conference serves as a premier platform for fostering innovation, collaboration, and the exchange of cutting-edge research in Data Science, Artificial Intelligence, and Multi-Agent Systems.

### Conference Overview

The conference will commence with an Inaugural Ceremony on 27th March 2026, graced by esteemed guests Mr. Balaji Vaitheeswaran, General Manager, Ericsson, India, and Dr. Tanaka Kazuaki, Associate Professor, Kyushu Institute of Technology. This will be followed by three technical sessions with six parallel tracks per session, spanning 26th, 27th & 28th March 2026, addressing groundbreaking advancements across multiple domains.

This year, ICDSAAI 2026 has received an overwhelming 926 research paper submissions, with 250 high-quality papers selected through a rigorous peer-review process for presentation and publication in the IEEE Digital Library (IEEE Xplore).

### Conference Tracks

The conference will feature three specialized tracks:

- Track 1: Data Science, Big Data, Data Mining, and their applications.
- Track 2: Agents, Multi-Agent Systems, Software Platforms, Distributed Problem Solving, and Distributed AI.
- Track 3: Artificial Intelligence, Knowledge Representation, Planning, Learning, Scheduling, Perception, Reactive AI Systems, Evolutionary Computing, and other areas of Computational Intelligence.

### Conference Highlights – ICDSAAI 2026

- 3-Day International Conference bringing together researchers, academicians, industry professionals, and students in the fields of Data Science, Intelligent Agents, and Artificial Intelligence.
- Pre-Conference Workshop on “Bridging Academic AI Learning with Real-World Enterprise Applications”.
- 8+ Distinguished Keynote Speakers from academia, industry, and international universities, including experts from the USA, Italy, Japan, South Korea, and India.

- Global Research Collaboration Platform for sharing innovative ideas in AI, Machine Learning, Agentic Systems, and Data-Driven Intelligence.
- Technical Paper Presentation Sessions featuring peer-reviewed research contributions from international authors.
- Industry–Academia Interaction Sessions enabling networking with leading professionals from organizations such as Ericsson and C-DAC.

## Emerging AI Topics Covered

- Agentic AI and Intelligent Systems
  - Retrieval Augmented Generation (RAG)
  - Generative AI Applications
  - AI in Education Technology
  - AI for Traffic Optimization
  - AI for Child Behaviour Recognition
- ✚ **Conference Proceedings will be released during the inaugural ceremony.**
  - ✚ **Networking and Collaboration Opportunities for researchers, faculty, and students.**
  - ✚ **Valedictory Session and Recognition of Best Papers (if planned).**

## Special Sessions – ICDSAAI 2026

The International Conference on Data Science, Agents, and Artificial Intelligence (ICDSAAI 2026) features a set of distinguished Special Sessions and Workshops addressing emerging trends in artificial intelligence, intelligent systems, and digital transformation. These sessions bring together experts from academia and industry to discuss innovative research directions, real-world applications, and technological advancements shaping the future of AI-driven systems.

### 1. AI at Scale with Agentic Operations

This keynote discusses scalable agentic AI systems that enable autonomous decision-making and operational automation across large digital and enterprise environments.

### 2. From GA to RL – Data-Driven Traffic Light Optimization

This session presents intelligent traffic management using Genetic Algorithms and Reinforcement Learning to optimize traffic signals and improve urban mobility.

### 3. Artificial Intelligence for Secure Visual Analytics and Intelligent Surveillance Systems

This keynote highlights the use of AI-based visual analytics for real-time monitoring, anomaly detection, and enhanced security in intelligent surveillance systems.

### 4. Agentic AI and Retrieval-Augmented Generation for Domain-Aware Intelligent Systems

This talk explores integrating Agentic AI with Retrieval-Augmented Generation (RAG) to develop intelligent systems that deliver context-aware insights and domain-specific solutions.

**5. Workshop on “Bridging Academic AI Learning with Real-World Enterprise Applications.”**

This workshop explores how theoretical AI knowledge can be transformed into practical enterprise solutions, enabling innovation, scalability, and industry-ready AI skills.

**6. Agentic AI in EdTech: Building Intelligent and Adaptive Learning Systems**

This keynote discusses the role of Agentic AI in education, enabling adaptive learning platforms and personalized educational experiences.

**7. Resilience, You and IT**

This keynote focuses on building resilient IT systems and leadership strategies to adapt to technological changes and digital transformation.

## Acknowledgments

This conference would not have been possible without the dedicated efforts of the IEEE Madras Section, the IEEE Computer Society, Madras Chapter, and the Computer Society of India (CSI) Chennai Chapter. I extend my heartfelt gratitude to our keynote speakers, session chairs, reviewers, organizing committee members, and all contributing authors for their invaluable support in making ICDSAAI 2026 a resounding success.

As we embark on this exciting journey of knowledge and innovation, I encourage each of you to engage, collaborate, and push the frontiers of research to shape the future of AI and Data Science.

Once again, I warmly welcome you to ICDSAAI 2026, and I look forward to an enriching and inspiring conference experience for all.

**With Best Regards,**



**Dr. S. Veeramalai**

Professor & Conference Chair, ICDSAAI 2026  
Chennai Institute of Technology, Chennai-69  
Email: veeramalais@citchennai.net

**Shri.P.Sriram**  
Chairman



**Message from the Chairman, Chennai Institute of Technology**

**Shaping the Future of Intelligent Systems and Data-Driven Innovation**

It is a distinct honor to welcome you to the 4th IEEE International Conference on Data Science, Agents, and Artificial Intelligence (ICDSAAI 2026), hosted by Chennai Institute of Technology. This prestigious conference serves as a distinguished platform for global researchers, industry leaders, and academicians to converge, exchange ideas, and advance the frontiers of Artificial Intelligence, Data Science, and Intelligent Agents.

As technological progress continues to reshape industries worldwide, the convergence of Artificial Intelligence, Intelligent Agents, and Data Science has become vital in addressing complex challenges and driving sustainable innovation. ICDSAAI 2026 presents a valuable opportunity to explore recent research breakthroughs, advanced methodologies, and impactful applications across these dynamic domains.

I commend the tireless efforts of the organizing committee, keynote speakers, panellists, and contributors whose dedication has made this conference possible. I also extend my sincere appreciation to all participants for their meaningful contributions and thought leadership. May this conference inspire future research endeavors and strengthen global collaboration.

I wish you all an intellectually enriching and highly successful conference.

**Best regards,**



**Shri.P.Sriram**  
Chairman, Chennai Institute of Technology, Chennai.

**Dr.A.Ramesh**  
Principal



### Message from the Principal, Chennai Institute of Technology

### Fostering Excellence in AI and Data Science Research:

It is an honour to welcome you to the 4th IEEE International Conference on Data Science, Agents, and Artificial Intelligence (ICDSAAI 2026). This premier international conference is dedicated to advancing research and innovation in Data Science, Intelligent Agents, and Artificial Intelligence. At Chennai Institute of Technology, we take great pride in nurturing an academic environment that encourages innovation, excellence in learning, and strong collaboration between academia and industry. This conference reflects our commitment to supporting next-generation technologies that create meaningful impact on society and industry.

ICDSAAI 2026 provides a valuable platform for scholars, researchers, and practitioners to present their innovative work, engage in insightful discussions, and help shape the future of AI and Data Science. The research presented in these proceedings highlights emerging trends, novel approaches, and practical applications that will influence the evolving technological landscape.

I extend my sincere appreciation to the researchers, keynote speakers, panellists, and participants for their dedication and scholarly contributions. May this conference inspire new collaborations, fresh ideas, and significant progress in AI-driven research.

I wish you all a productive, engaging, and enriching experience at ICDSAAI 2026.

**Best regards,**



**Dr.A.Ramesh**  
Principal,  
Chennai Institute of Technology

**Mr.S.Gokulakrishnan**  
Director - Innovation



**Message from the Director of Innovation, Chennai Institute of Technology**

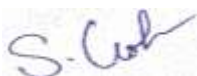
## **Driving Transformative Innovations in AI and Intelligent Systems**

In today's rapidly advancing digital era, Artificial Intelligence, Data Science, and Intelligent Agents are enabling significant transformations across industries worldwide. The 4th IEEE International Conference on Data Science, Agents, and Artificial Intelligence (ICDSA AI 2026) offers a vital platform for researchers, engineers, and industry professionals to deliberate on state-of-the-art innovations, responsible AI deployment, and emerging research directions.

As the Director of Innovation at Chennai Institute of Technology, I am proud to observe the outstanding research contributions presented in these conference proceedings. Each paper reflects a meaningful effort toward advancing the boundaries of Artificial Intelligence and its applications in healthcare, finance, cybersecurity, automation, and related domains.

I congratulate all contributors for their strong commitment to research excellence and express my sincere appreciation to the organizing team for their dedicated efforts in making this conference successful. Let us continue to collaborate, innovate, and work together to build a smarter and more sustainable future through AI and Data Science. Wishing you a stimulating and rewarding conference.

**Best regards,**



**Mr. Gokul Sriram**  
Director of Innovation,  
Chennai Institute of Technology



**Mr.S.Balakrishnan**  
Director - Strategic Development

### Message from the Director of Strategic Development, Chennai Institute of Technology

## Strategic Pathways for AI and Data Science in a Globalized World

It is a privilege to welcome you to the 4th IEEE International Conference on Data Science, Agents, and Artificial Intelligence, ICDSAAI 2026. This conference brings together experts from academia, industry, and research to exchange ideas, share knowledge, and explore the future of Artificial Intelligence and Data Science. As we advance into an AI-driven and digitally connected world, collaboration, strategic thinking, and responsible innovation have become increasingly important. Platforms such as ICDSAAI play a vital role in fostering interdisciplinary dialogue and guiding the meaningful application of emerging technologies.

At Chennai Institute of Technology, we firmly believe that Artificial Intelligence, Machine Learning, and Data Science can transform industries and improve lives. This conference effectively connects academic research with real-world applications, promoting sustainable growth, enhanced security, and ethical adoption of technology.

I sincerely appreciate the contributions of the authors, speakers, reviewers, and organizing team in making this conference a success. May ICDSAAI 2026 inspire valuable discussions, strong collaborations, and impactful outcomes. I wish you all an enriching and memorable conference.

Best regards,



**Mr. Balakrishnan Sriram**  
Director of Strategic Development,  
Chennai Institute of Technology

**Dr.S.Pavithra**  
Head, CSE



### Message from the Head of the Department, Computer Science and Engineering

## Empowering AI and Data Science for a Smarter Future

It is with great pleasure that I extend a warm welcome to the 4th IEEE International Conference on Data Science, Agents, and Artificial Intelligence (ICDSAAI 2026), hosted by Chennai Institute of Technology. This conference serves as a distinguished forum for advancing research, innovation, and scholarly collaboration in the rapidly evolving fields of Artificial Intelligence, Data Science, and Intelligent Systems.

The Department of Computer Science and Engineering at Chennai Institute of Technology remains steadfast in its commitment to fostering research excellence and technological advancement that address real-world challenges and support industry transformation.

I convey my sincere appreciation to all authors, keynote speakers, panelists, and participants for their valuable scholarly contributions. I also acknowledge the organizing committee for their dedicated efforts in ensuring the success of this conference. Let us continue to engage in meaningful research, encourage innovation, and collectively advance the frontiers of Artificial Intelligence and Data Science toward a smarter and more sustainable future.

I wish you all an intellectually enriching and impactful conference experience.

**Best regards,**



**Dr.S.Pavithra**  
Head, Department of Computer Science and Engineering  
Chennai Institute of Technology

**Dr. P. Sakthivel**  
Chairman  
IEEE Madras Section



#### Message for ICDSAAI 2026

Greetings to the organizers, speakers, researchers, and participants of the International Conference on Data Science, Artificial Intelligence, and Applications (ICDSAAI 2026). I am pleased to share this message on the occasion of this important academic gathering.

I am Dr. Sakthivel, currently serving as the Chairman of the IEEE Madras Section. Throughout my professional journey in engineering education, research, and professional service, I have actively promoted technological innovation, knowledge sharing, and collaborative research initiatives. My association with IEEE has provided opportunities to support the growth of academic–industry engagement and to encourage young researchers and professionals to contribute to emerging technological domains.

Conferences like ICDSAAI provide a valuable platform for scholars, researchers, and industry experts to exchange ideas, present innovative research, and explore the transformative potential of Artificial Intelligence and Data Science across various sectors.

I congratulate the organizing committee on their efforts to host this conference and bring together experts from diverse domains. I am confident that ICDSAAI 2026 will foster meaningful discussions, inspire new research directions, and strengthen collaboration among the research community.

I wish the conference great success and all participants a productive and enriching experience.

**Dr. P. Sakthivel**  
**Chairman**  
**IEEE Madras Section**



### **Conference Message**

My professional work focuses on advancing research in computing, strengthening technical communities, and promoting knowledge exchange in emerging areas of computer science. As Professor and Chairman of the IEEE Computer Society (Madras Section), I am committed to encouraging collaboration between institutions and industry while supporting innovation and professional development.

With rapid developments in AI and intelligent systems, conferences such as ICDSAAI provide valuable platforms for dialogue, learning, and research collaboration. I look forward to engaging in discussions that contribute to the responsible advancement of technology.

**Dr. S. Koteeswaran**  
**Chairman**  
**IEEE Computer Society, Madras Chapter**

Email: [s.koteeswaran@gmail.com](mailto:s.koteeswaran@gmail.com)



### **Conference Message**

My professional journey has been dedicated to advancing computing excellence, fostering professional collaboration, and promoting innovation in emerging areas of computer science and digital technologies. Through active engagement with technical communities and industry initiatives, I have consistently worked to strengthen knowledge exchange and encourage the responsible adoption of advanced computing solutions.

As Chair of the Computer Society of India, Chennai Chapter, I believe that professional forums and conferences play a vital role in connecting practitioners, researchers, and technology leaders. Platforms such as ICDSAAI provide meaningful opportunities to share insights, inspire innovation, and cultivate collaborative networks that drive technological progress. I look forward to engaging in discussions that advance intelligent, impactful computing practices.

### **DR. A. AKILA**

Chair, Computer Society of India – Chennai Chapter

Technology Leader | Community Builder | Advocate for Emerging Computing Innovations

Email: [akila.scs@vistas.ac.in](mailto:akila.scs@vistas.ac.in)



### **Conference Message**

My professional focus lies in engineering leadership and delivering large-scale digital platforms across the telecommunications and IT ecosystems. In my role at Ericsson, I have been involved in advancing Charging Systems, Digital Front-End solutions, and Digital BSS programs, helping build resilient architectures that support evolving enterprise and customer demands.

As digital transformation accelerates, the convergence of Artificial Intelligence, automation, and cloud-native technologies is reshaping how modern service platforms are designed and operated. Conferences such as ICDSAAI provide valuable opportunities to exchange insights, explore innovation, and strengthen collaboration between industry practitioners and the research community.

I look forward to engaging in discussions that promote practical innovation, responsible technology adoption, and the continued evolution of intelligent digital systems.

### **BALAJI VAITHEESWARAN**

General Manager,

Head of Engineering and Development - Charging System, Digital Front End, and Digital BSS, Ericsson, India.

Email ID: [bvaithee@gmail.com](mailto:bvaithee@gmail.com)



### **Conference Message**

My professional work focuses on advancing intelligent computing, data-driven systems, and emerging digital technologies that contribute to global research and innovation. At Kyushu Institute of Technology, I am engaged in fostering interdisciplinary collaboration and exploring practical applications of advanced computing methods.

With rapid progress in AI and intelligent systems, international conferences provide valuable opportunities to exchange ideas, build partnerships, and encourage innovation across borders. I look forward to productive discussions and collaborations that contribute to the continued growth of intelligent technologies.

**Dr. TANAKA KAZUAKI**

Associate Professor

Kyushu Institute of Technology, Japan.

**Email: [kazuaki@ics.kyutech.ac.jp](mailto:kazuaki@ics.kyutech.ac.jp)**



### **Conference Message**

My research centers on the use of Artificial Intelligence in smart city ecosystems, with a focus on explainable AI, Digital Twins, and human-centered data analysis to improve urban services and sustainability. My work aims to bridge advanced computational methods and real-world urban challenges, supporting smarter, more inclusive urban development.

International forums such as this ICDSAAI 2026 conference offer valuable opportunities to exchange ideas, share research insights, and strengthen collaboration in the pursuit of intelligent and sustainable urban systems. I look forward to engaging in discussions and knowledge sharing with fellow researchers and practitioners.

**Dr. LUCIANO ALESSANDRO IPSARO PALESI**

Professor

Department of Information Engineering (DINFO)

University of Florence

**Email: [ipsaropalesiale@gmail.com](mailto:ipsaropalesiale@gmail.com)**



### **Conference Message**

My research interests include Artificial Intelligence, information security, and visual analytics, with applications in intelligent surveillance, image and video processing, and Io(M)T-based smart systems. My work aims to develop secure and intelligent solutions that enhance automated analysis, perception, and decision-making in complex environments while ensuring reliability and scalability.

As emerging technologies continue to transform digital systems, platforms such as ICDSAAI provide valuable opportunities for knowledge exchange, collaboration, and innovation. I look forward to engaging in discussions, sharing research insights, and exploring future collaborations with fellow researchers and professionals.

### **DR. KHAN MUHAMMAD**

Associate Professor

Department of Applied Artificial Intelligence

School of Convergence, College of Computing and Informatics

Sungkyunkwan University

**Email: [khanmuhammad@skku.edu](mailto:khanmuhammad@skku.edu)**



### **Conference Message**

My professional interests center on advancing software engineering methodologies, intelligent computing frameworks, and applied research that strengthens domain-specific digital solutions. In my role at Centre for Development of Advanced Computing (C-DAC), I focus on fostering innovation in secure, scalable, and knowledge-driven systems that address real-world technological challenges across sectors.

The convergence of Agentic AI with Retrieval-Augmented Generation represents an important step toward building systems capable of contextual reasoning and domain-aware knowledge evaluation. Such frameworks can significantly enhance the reliability, interpretability, and practical value of AI-driven decision support. Academic platforms such as ICDSAAI play a vital role in encouraging discourse, validating emerging approaches, and promoting collaboration between research institutions, industry experts, and the academic community.

### **Dr. VIJAY KUMAR K**

Scientist – E & HoD, Software Engineering Group  
Centre for Development of Advanced Computing (C-DAC)  
Chennai, India

**Email: [vijayk@cdac.in](mailto:vijayk@cdac.in)**



### **Conference Message**

My professional journey has been shaped by over two decades of building enterprise-scale platforms in telecommunications R&D, with a strong focus on Artificial Intelligence and product-driven innovation. As Product Owner for Ericsson’s enterprise MLOps Platform, I have been deeply involved in translating AI strategy into production-ready systems. My work centers on enabling scalable MLOps, LLMOps, and agent-based architectures that align technological advancement with measurable business value, governance standards, and sustainable engineering practices.

As organizations move beyond traditional AI experimentation, the shift toward Agentic Operations marks a defining evolution in enterprise transformation. Scaling AI responsibly requires more than models—it demands cloud-native platforms, governance-by-design, strong product thinking, and leadership that fosters ownership and trust. Conferences such as ICDSAAI provide an important forum to connect executive vision with engineering execution. I look forward to sharing practical insights and engaging in discussions on how enterprises can move from AI ambition to production-ready, agentic platforms where technology, platforms, and people evolve together.

### **CHELLAPANDIAN KARPURASUNDARAM**

AI/ML Product Management Leader, Ericsson

Product Owner – Enterprise MLOps Platform  
Leader in MLOps, LLMOps & Agent-Based AI Systems

**[karpura.chellapandian@ericsson.com](mailto:karpura.chellapandian@ericsson.com)**



### **Conference Message**

My professional journey has been driven by a passion for building intelligent, data-driven platforms that create measurable business impact across enterprise environments. With over 16 years of experience in Data, Analytics, and AI-led transformation within the Oil & Gas sector, I have focused on translating complex operational challenges into scalable, production-ready AI solutions. My work integrates product strategy, enterprise architecture, and governance frameworks to ensure that innovation is both responsible and sustainable.

As an AI Product Manager, I have led the development of enterprise-grade platforms, including ZenOps, a multi-agent AI solution designed to bring autonomous and self-healing capabilities to IT operations. By enabling predictive incident management, intelligent automation, and operational analytics, such systems demonstrate how agent-based AI can redefine managed services. Conferences like ICDSA AI offer valuable opportunities to share insights, exchange ideas, and explore how AI platforms can responsibly transform enterprise operations at scale.

### **CHANDRAMOHAN KESAVAN**

AI Product Manager & Data Architect, APAC Energy & Utilities |  
Downstream & Operations.

CGI – CHENNAI.



### **Conference Message**

My work focuses on designing and enabling reliable cloud infrastructure, DevOps practices, and AI-integrated platforms that support sustainable, scalable digital ecosystems. As both a consultant and researcher, I am particularly interested in how emerging technologies can bridge the gap between theoretical innovation and real-world deployment, especially within data-driven and distributed environments.

Agentic AI introduces a new paradigm in educational technology by enabling systems that can reason, adapt, and autonomously respond to learners' needs. Its potential to create responsive, personalized, and intelligent learning environments marks an important evolution in the EdTech landscape. Engagements through forums such as ICDSAAI help cultivate meaningful exchanges, inspire collaborative research, and promote responsible integration of advanced AI into educational systems.

### **Dr. Sengole Merlin, PhD**

Cloud DevOps Consultant | Researcher  
Chennai, India



### **Conference Message**

My professional journey has been centered on leveraging Data Science to drive innovation, informed decision-making, and sustainable digital transformation across industries. I strongly believe that the power of data, when combined with intelligent analytics and scalable platforms, enables organizations to uncover meaningful insights and build solutions that create measurable impact. From predictive modeling to AI-driven automation, data science continues to shape the future of enterprise strategy and operational excellence.

Through my leadership and technology initiatives, I translate complex data challenges into practical, value-driven solutions. Conferences such as ICDSAAI provide an important platform for exchanging ideas, exploring emerging methodologies, and fostering collaboration among professionals working in data-driven domains. I look forward to engaging in discussions and contributing to knowledge sharing that advances the responsible and impactful use of Data Science.

#### **Mr. ANANTHANARYANAN N**

Director, Bodhism Immertech Pvt Ltd.

Data Science & Digital Innovation Leader

Advocate for Analytics-Driven Decision Systems

Email: [ananthanaryanan.n@gmail.com](mailto:ananthanaryanan.n@gmail.com)

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8	Dr. J. Jai Jaganath Babu	Professor, Dept. of Biomedical Engineering, Chennai Institute of Technology

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6	Mr Marimuthu A	AsstProfessor
7	Gomathi V	AsstProfessor
8	Charanya T N	AsstProfessor
9	Suganya S	AsstProfessor
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11	Mr Kumaragurubaran S	AsstProfessor
12	Mahalakshmi S	AsstProfessor

13	Mr Anbumani A	AsstProfessor
141	Mr Sumith Kumar	AsstProfessor
15	Mrs R. Revathy	AsstProfessor
16	Mrs Lita Pansy D	AsstProfessor
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5	Dr.A.Nageswaran	Professor
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7	Dr Marie Claude .N	Assoc.Professor
8	Dr.Babu M C	Assoc.Professor
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13	Manimegalai M	Asst Professor
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4	Mr Senthil Kumar G	AsstProfessor
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7	Dr Gnana Kousalya	Professor
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6	Dr Bino wisely	AsstProfessor
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5	Ms.Subbulakshmi	AsstProfessor
6	Ms P Malini	AsstProfessor
7	Mr. Kirubasankar	AsstProfessor
8	Ms K Shobica	AsstProfessor
9	Dr Mercy-AP	AsstProfessor
10	Mr Maragathavalli	AsstProfessor
11	Ms Shivani	AsstProfessor
12	Dr. Saumiya S	AssocProfessor

## **ACKNOWLEDGEMENT**

The Conference and Organizing Committee Chairs wish to thank all the International Advisors, International Program Committee Members, and Members of the Organizing Committee for their contributions to the organization of this Conference. The Chairs also wish to acknowledge all the sponsors for their generous support and all others who have, in one way or another, contributed to the success of this Conference.

## **ORGANIZER**

**Chennai Institute of Technology (Autonomous), Kundrathur, Chennai, India.**

## **CO-SPONSORS**

IEEE-Madras Section.

IEEE - Computer Society Madras Chapter.

Computer Society of India Chennai Division.

## GENERAL INFORMATION

- Conference Venue : Kaveri Auditorium,  
Chennai Institute of Technology, Sarathy  
Nagar, Kundrathur  
Chennai-600069, Tamil Nadu, India.
- Invited Sessions : Kaveri Auditorium, Ground Floor
- Opening Ceremony : Kaveri Auditorium, Ground Floor
- Keynote Sessions : Kaveri Auditorium, Ground Floor
- Oral Presentation Sessions : Track 1- Kaveri Auditorium, Ground Floor  
Track 2- Pennai Hall, First Floor  
Track 3 Bharani Hall, First Floor
- Lunch, Coffee/Tea Break(s) : General Mess Hall
- Conference Contact : ICDSAAI
- Secretariat  
Chennai Institute of Technology, Sarathy Nagar,  
Kundrathur  
Chennai-600069, Tamil Nadu, India.  
Mobile: +91- 9444255661  
E-mail: [icdsaai.secretariat@citchennai.net](mailto:icdsaai.secretariat@citchennai.net)  
Web: <https://www.citchennai.edu.in/icdsaai>

## **SESSION INFORMATION**

All Chairpersons and Speakers are requested to be in their respective session rooms at least 10 minutes prior to the commencement of each session.

### **Regular Paper Presentation**

Papers are allocated approximately 10 minutes for presentation, with an additional 4-6 minutes for questions and answers following each talk. Session Chairs will introduce the speakers and moderate the discussion.

### **General Information**

Each presentation room will be equipped with a laptop/desktop computer and a projector for PowerPoint presentations. The available software may also allow for other types of presentations, such as embedded videos.

- MS-WindowsXPProfessionalMS-Office2010
- Windows Media Player Adobe Reader
- Laptops will have a USB port accepting USB memory devices.

Presenters who wish to run specialized software need to bring their own laptop. Prior to their session, they should inform the session chair and test that their computer works with the room projector.

## Program Schedule

4<sup>th</sup> International Conference on Data Science, Agents, and Artificial Intelligence (ICDSAAI 2025) on 26th - 28th March 2026

**Venue: Chennai Institute of Technology, Chennai**

**Day 1 – 26th March 2026**

***(Pre-Conference Workshop, Keynotes & Paper Presentations)***

Time	Session	Details
08:00 – 08:30 AM	Registration	Participant Registration
08:30 – 10:15 AM	Pre-Conference Workshop (Offline)	<p><b>Title:</b> Bridging Academic AI Learning with Real-World Enterprise Applications</p> <p><b>Speaker: Mr. Chandramohan Kesavan,</b> AI Product Manager &amp; Data Architect, APAC Energy &amp; Utilities   Downstream &amp; MY Operations. CGI-CHENNAI.</p>
10:15 – 10:30 AM	Tea Break	
10:30 – 11:30 AM	Keynote Speech (Online)	<p><b>Title:</b> Agentic AI: Redefining the Intelligence Layer in EdTech</p> <p><b>Speaker: Dr. Sengole Merlin,</b> Cloud DevOps Consultant &amp; Researcher, USA.</p>
11:30 – 12:30 PM	Presentation	<b>Technical Paper Presentation</b>
12:30 – 01:30 PM	Lunch Break	
01:30 – 02:30 PM	Keynote Speech (Online)	<p><b>Title:</b> From GA to RL: Data-Driven Traffic Light Optimization</p> <p><b>Speaker: Dr. Luciano Alessandro Ipsaro Palesi,</b> Professor, University of Florence, Italy.</p>
02:30 – 03:45 PM	Presentation	
03:45 – 04:00 PM	Networking Break	
04:00 – 04:30 PM	Interactive Discussion / Q&A	

## Day 2 – 27th March 2026

Time	Session	Details
08:00 – 09:00 AM	Registration	Participant Registration
09:15 – 09:17 AM	Invocation / Tamil Thai Vazhthu	
09:17 – 09:22 AM	Welcome Address	<b>Dr.A.Ramesh</b> Principal, Chennai Institute of Technology, Chennai.
09:22 – 09:27 AM	About the Conference	<b>Dr. S. Veeramalai</b> Conference Chair
09:27 – 09:37 AM	Presidential Address	<b>Shri P. Sriram</b> Chairman, Chennai Institute of Technology, Chennai.
09:37 – 09:42 AM	Honouring the Dignitaries	Presented by <b>Shri P. Sriram</b> , Chairman, Chennai Institute of Technology, Chennai.
09:42 – 09:47 AM	Special Address	<b>Guest of Honour</b> <b>Dr. Tanaka Kazuaki</b> , Associate Professor, Kyushu Institute of Technology, Japan.
09:47 – 09:57 AM	Chief Guest Address	<b>Mr. Balaji Vaitheeswaran</b> , General Manager, Ericsson, India.
09:57 – 10:02 AM	Release of Conference Proceedings / Souvenir	<b>Dignitaries</b>
10:02 – 10:07 AM	Vote of Thanks	Organizing Committee Member
10:07 – 10:10 AM	National Anthem	
10:15 – 10:30 AM	Tea Break	
10:30 – 11:30 AM	Keynote Speech (Offline)	<b>Title:</b> When Agentic AI Meets RAG: A Framework for Domain-Specific Knowledge Evaluation  <b>Speaker:</b> <b>Dr. Vijay Kumar K</b> Scientist-E, C-DAC.
11:30 - 12:00 PM	Lunch Time	
12:00 – 01:00 PM	Keynote Speech (Online)	<b>Title:</b> Intelligent Child Behaviour Recognition: Learning, Caring, and Protecting with AI.

		<b>Speaker: Dr. Khan Muhammad</b> Associate Professor, Sungkyunkwan University, South Korea.
01:00 – 02:00 PM	Presentation	Technical Paper Presentations
02:00 – 03:00 PM	Keynote Speech (Offline)	<b>Title: Resilience, you and IT</b> <b>Speaker: Ananthanaryanan N</b> Director, Bodhism Immertech Pvt Ltd, Chennai.
03:00 – 04:15 PM	Presentations	Technical Paper Presentations
4:15 - 4:30 PM	Networking Break	

### Day 3 - 28<sup>th</sup> March 2026

Time	Session	Details
08:00 – 09:00 AM	Registration	
09:00 – 10:15 AM	Keynote Speech (Offline)	Title: AI at Scale with Agentic Ops <b>Speaker: Chellapandian Karpurasundaram</b> Senior Manager, AI/ML Product Management Leader Ericsson, India.
10:15 – 10:30 PM	Networking Break	
11:15 - 12:15 PM	Presentation	Technical Paper Presentation
12:15 – 01:00 PM	Lunch Time	
01:00 – 02:00 PM	Presentation	Technical Paper Presentation
02:00 – 02:30 PM	Valedictory	
02:30 – 03:00 PM	Networking Break	

## **Track-wise Theme Titles**

### **Track 1: Artificial Intelligence & Machine Learning**

Focuses on advanced AI techniques and intelligent learning systems.

#### **Major Topics**

- Machine Learning & Deep Learning Algorithms
- Explainable AI (XAI)
- Generative AI & Foundation Models
- Reinforcement Learning
- Computer Vision & Image Processing
- Natural Language Processing
- AI for Healthcare and Bioinformatics

### **Track 2: Data Science and Intelligent Data Analytics**

#### **Theme Focus**

This track addresses modern data-driven techniques, large-scale analytics, and intelligent decision-making systems using data science approaches.

#### **Major Topics**

- Data Mining and Knowledge Discovery
- Big Data Technologies and Platforms
- Predictive Analytics and Statistical Learning
- Data Visualization and Analytics Tools
- Cloud-Based Data Processing
- Privacy Preserving Data Analytics
- Business Intelligence Systems

### **Track 3: Intelligent Systems, Agents & Emerging Technologies**

Focuses on smart autonomous systems and next-generation computing technologies.

#### **Major Topics**

- Multi-Agent Systems
- Autonomous Intelligent Systems
- Internet of Things (IoT) & Cyber Physical Systems
- Blockchain and Secure Distributed Systems
- Smart Cities and Intelligent Transportation

- Robotics and Human–Machine Interaction
- AI for 5G/6G Networks and Edge Intelligence

**4th International Conference on  
Data Science, Agents, and Artificial Intelligence ICDSAAI 2026  
General Program Schedule (Day-wise)**

<b>Time</b>	<b>Day 1 (26-03-2026)</b>	<b>Day 2 (27-03-2026)</b>	<b>Day 3 (28-03-2026)</b>
08:00 – 08:30 AM	Registration	Registration	Registration
08:30 – 09:00 AM	Pre-Conference Workshop	Registration	Registration
09:00 – 09:15 AM	Pre-Conference Workshop	—	Keynote Address
09:15 – 09:30 AM	Pre-Conference Workshop	Invocation / Tamil Thai Vazhthu, Welcome Address & About the Conference	Keynote Address
09:30 – 10:00 AM	Pre-Conference Workshop	Presidential Address / Honouring Dignitaries / Special Address	Keynote Address
10:00 – 10:15 AM	Pre-Conference Workshop	Chief Guest Address / Proceedings Release / Vote of Thanks	Keynote Address
10:15 – 10:30 AM	Tea Break	Tea Break	Keynote Address
10:30 – 11:30 AM	Keynote Address	Keynote Address	Keynote Address
11:30 – 12:00 PM	Paper Presentation	Lunch Break	Technical Session (Track 1,2,3)
12:00 – 12:30 PM	Paper Presentation	Keynote Address	Technical Session (Track 1,2,3)
12:30 – 01:00 PM	Lunch Break	Keynote Address	Lunch Break
01:00 – 02:00 PM	Lunch Break	Technical Paper Presentation (Track 1,2,3)	Technical Paper Presentation (Track 1,2,3)
02:00 – 02:30 PM	Keynote Address	Keynote Address	Valedictory Function
02:30 – 03:00 PM	Keynote Address	Keynote Address	Networking
03:00 – 03:15 PM	Technical Paper Presentation (Track 1,2,3)	Technical Paper Presentation (Track 1,2,3)	—
03:15 – 03:45 PM	Technical Paper Presentation (Track 1,2,3)	Technical Paper Presentation (Track 1,2,3)	—
03:45 – 04:00 PM	Networking Break	Technical Paper Presentation (Track 1,2,3)	—
04:00 – 04:30 PM	Interactive Discussion / Q&A	Technical Paper Presentation (Track 1,2,3)	—

## CHELLAPANDIAN KARPURASUNDARAM

AI/ML Product Management Leader, Ericsson  
Product Owner – Enterprise MLOps Platform  
Leader in MLOps, LLMOps & Agent-Based AI Systems

### **Keynote Topic: “AI at Scale with Agentic Operations”**

#### **Abstract**

Artificial Intelligence is entering a transformative phase in which enterprises are moving beyond isolated experimentation toward large-scale, production-ready AI systems that can operate reliably within complex business environments. This shift requires more than advanced models—it demands robust platforms, strong governance frameworks, and disciplined engineering practices that ensure AI solutions deliver measurable business value while remaining transparent, secure, and responsible. As organizations adopt AI at scale, the focus is increasingly on building systems that can continuously learn, adapt, and operate effectively within enterprise guardrails.

With over two decades of experience in telecommunications R&D, I have been closely involved in designing and developing large-scale digital platforms that support mission-critical enterprise operations. My work has focused on enabling scalable MLOps, LLMOps, and agent-based AI architectures that bridge the gap between strategic AI vision and operational implementation. As Product Owner for Ericsson’s enterprise MLOps platform, I have led initiatives that transform AI strategies into production-ready systems capable of supporting intelligent automation, efficient model lifecycle management, and responsible AI deployment across enterprise ecosystems.

A key dimension of this transformation is the emergence of Agentic Operations, where AI systems go beyond prediction and generation to perform reasoning, planning, and goal-driven actions within defined operational boundaries. These systems have the potential to enhance enterprise productivity, streamline operational workflows, and enable organizations to respond more dynamically to changing environments.

At this conference, I look forward to sharing insights on how organizations can successfully scale AI through integrated platform strategies that combine technology, governance, and people. The discussion will explore practical approaches to evolving from isolated AI use cases to intelligent, agentic systems that can operate reliably in production environments. By bringing together engineering excellence, platform enablement, and responsible leadership, enterprises can unlock the full potential of AI while ensuring sustainable innovation and real-world impact.

**Dr. LUCIANO ALESSANDRO IPSARO PALESI**

Professor

Department of Information Engineering (DINFO), School of Engineering  
University of Florence, Italy

Researcher in Information Processing Systems at the University of  
Florence (UNIFI) and member of the DISIT Lab.

## **Keynote Topic: “From GA to RL Data-Driven Traffic Light Optimization”**

### **Abstract**

Urban mobility is one of the most pressing challenges in smart city development. With growing traffic congestion, environmental concerns, and increasing demand for efficient transportation systems, data-driven optimization of traffic control has become a key research and innovation area. Artificial Intelligence offers powerful tools to move beyond static signal timing toward adaptive, intelligent traffic management.

My research explores the evolution of traffic light optimization techniques — from Genetic Algorithms (GA) to advanced Reinforcement Learning (RL) approaches. While evolutionary algorithms have provided strong foundations for optimizing signal timing under complex constraints, reinforcement learning enables traffic systems to learn dynamically from real-time conditions, adapt to changing traffic patterns, and continuously improve performance.

By integrating traffic simulation environments, real-world mobility data, and AI-driven control strategies, this work aims to reduce congestion, improve travel times, and lower emissions in urban environments. A key aspect of my research is ensuring that these AI systems remain interpretable, reliable, and aligned with human-centered urban planning goals.

As a researcher at the University of Florence and member of the DISIT Lab, I work on intelligent transportation systems, urban mobility analytics, and AI-enabled digital platforms for smart cities. My contributions have been published in leading journals such as *Expert Systems with Applications* and *Applied Soft Computing*, and I am honored to be a recipient of the Young Researcher Award, ICCSA 2025.

At this conference, I look forward to discussing how AI techniques — from evolutionary optimization to reinforcement learning — can enable the next generation of adaptive, data-driven traffic control systems for smarter and more sustainable cities.

**DR. KHAN MUHAMMAD**

Associate Professor

Department of Applied Artificial Intelligence

Sungkyunkwan University, South Korea, Researcher in Artificial Intelligence, computer vision, visual analytics, and intelligent surveillance systems.

**Keynote Topic:**

**“Artificial Intelligence for Secure Visual Analytics and Intelligent Surveillance Systems”**

**Abstract**

Artificial Intelligence continues to play a transformative role in the development of intelligent digital systems, particularly in areas that require advanced perception, security, and automated decision-making. My research focuses on the intersection of **Artificial Intelligence, information security, and visual analytics**, with applications spanning intelligent surveillance, image and video processing, and Internet of Medical Things (Io(M)T)-based smart systems.

Through my work, I aim to design secure and intelligent computational models that enhance automated analysis and enable machines to interpret complex visual data efficiently. By integrating advanced AI techniques with secure system architectures, these solutions support reliable monitoring, pattern recognition, and data-driven decision-making in dynamic and large-scale environments.

A key focus of this research is ensuring that intelligent systems remain **robust, scalable, and trustworthy**, particularly when deployed in critical applications such as healthcare monitoring, smart surveillance infrastructures, and connected digital ecosystems. By combining visual intelligence with strong security frameworks, these technologies can significantly improve system reliability while safeguarding sensitive data.

At this conference, I look forward to sharing insights from my research and engaging with fellow scholars and industry experts to explore emerging directions in AI-driven analytics, secure intelligent systems, and next-generation smart technologies. Collaborative platforms such as ICDSAAI play a vital role in advancing innovation and strengthening global research partnerships in these rapidly evolving fields.

**Dr. VIJAY KUMAR K**  
Scientist – E & HoD, Software Engineering Group  
Centre for Development of Advanced Computing (C-DAC)  
Chennai, India

**Keynote Topic:**

**“Agentic AI and Retrieval-Augmented Generation for Domain-Aware Intelligent Systems”**

**Abstract**

The rapid advancement of Artificial Intelligence is transforming the way intelligent systems are designed and deployed across diverse domains. In particular, the integration of **Agentic AI with Retrieval-Augmented Generation (RAG)** is emerging as a powerful approach for building systems capable of contextual reasoning, dynamic knowledge retrieval, and domain-aware decision support. These technologies enable AI models to go beyond static responses by incorporating relevant knowledge sources and adapting intelligently to complex real-world environments.

This work explores how agent-based AI architectures combined with RAG frameworks can improve the **accuracy, reliability, and interpretability** of AI-driven systems. By enabling models to access curated knowledge bases and contextual information, such systems can enhance problem-solving capabilities while maintaining transparency and trust in automated decision-making processes.

At the **Centre for Development of Advanced Computing (C-DAC)**, the focus is on developing **secure, scalable, and knowledge-driven software frameworks** that support domain-specific digital solutions. These initiatives aim to strengthen intelligent computing platforms that address real-world technological challenges across sectors such as governance, industry, and research.

Through this keynote, insights will be shared on how the convergence of **agentic intelligence, retrieval-based learning, and advanced software engineering methodologies** can support the development of next-generation intelligent systems. The discussion will highlight the importance of collaborative research platforms, such as ICDSAAI, in fostering innovation, validating emerging AI approaches, and strengthening connections between academia, research institutions, and industry.

**BALAJI VAITHEESWARAN**  
General Manager  
Head of Engineering and Development – Charging System, Digital  
Front End and Digital BSS  
Ericsson  
□ bvaithee@gmail.com

**Keynote Topic:**

**“Engineering Scalable Digital Platforms for the Intelligent Telecom Ecosystem”**

**Abstract**

The telecommunications industry is undergoing rapid transformation driven by **Artificial Intelligence, automation, and cloud-native architectures**. As digital services expand and customer expectations grow, building **scalable, resilient, and high-performance platforms** has become essential for modern telecom and IT ecosystems.

This talk explores the development of **large-scale digital platforms**, including Charging Systems, Digital Front-End solutions, and Digital Business Support Systems (BSS), which play a critical role in enabling seamless service delivery and efficient enterprise operations. By integrating intelligent automation and advanced digital architectures, organizations can enhance system reliability, improve operational efficiency, and support evolving digital business models.

Drawing from practical experience in engineering leadership and enterprise platform development, the session will highlight key considerations for designing **robust telecom platforms that support future-ready digital services**. The discussion will also emphasize the importance of collaboration between industry practitioners and the research community in shaping the next generation of intelligent digital systems.

**Dr. TANAKA KAZUAKI**  
Associate Professor  
Kyushu Institute of Technology  
□ kazuaki@ics.kyutech.ac.jp

**Keynote Topic:**

**“Speeding Up IoT Development with mruby: A Lightweight Scripting Approach.”**

**Abstract**

The development of IoT and embedded systems poses several challenges, including limited computational resources, heterogeneous hardware environments, and the need for long-term maintainability. This talk introduces mruby, a lightweight implementation of the Ruby programming language optimized for embedded systems, as an effective solution for accelerating IoT application development.

mruby features a small memory footprint, flexible extensibility, and a safe scripting runtime. These characteristics enable developers to combine low-level C/C++ implementations with high-level application logic written in mruby. This hybrid architecture significantly improves productivity and maintainability in resource-constrained environments.

This presentation will cover:

- The design principles behind mruby as a lightweight scripting engine for embedded systems.
- Its benefits for IoT development include rapid prototyping, dynamic logic updates, and enhanced maintainability.
- Case studies demonstrating how mruby can transform and accelerate the development lifecycle.

Overall, the talk highlights the practical potential of scripting technologies for increasing efficiency in IoT and embedded system development.

## **CHANDRAMOHAN KESAVAN**

AI Product Manager & Data Architect  
APAC Energy & Utilities | Downstream & MY Operations  
AI Platform Innovator | Enterprise Data Strategist  
Creator of ZenOps – Multi-Agent AI for Autonomous IT Operations  
Expert in Data Governance, Financial Reconciliation & Enterprise Architecture

### **Workshop Topic: “Bridging Academic AI Learning with Real-World Enterprise Applications”**

#### **Abstract**

Artificial Intelligence (AI) is increasingly transforming industries by enabling intelligent automation, predictive analytics, and data-driven decision-making. However, a significant gap often exists between academic AI education and the practical requirements of enterprise environments. The workshop titled “Bridging Academic AI Learning with Real-World Enterprise Applications” aims to address this gap by connecting theoretical AI knowledge with practical industry applications.

This workshop will provide insights into how foundational AI concepts learned in academic settings can be translated into scalable solutions used by enterprises. Participants will explore key stages of real-world AI implementation, including data collection and preparation, model development, deployment, and performance monitoring. The session will also discuss common challenges faced by organizations such as data quality issues, integration with existing systems, model reliability, and ethical considerations in AI deployment.

Through practical examples, case studies, and interactive discussions, the workshop will demonstrate how AI technologies are applied in sectors such as healthcare, finance, manufacturing, and smart services. Participants will also gain exposure to industry-relevant tools, frameworks, and development practices that support the successful deployment of AI solutions in enterprise environments.

Designed for students, researchers, and early-career professionals, this workshop will help participants understand industry expectations and emerging opportunities, while encouraging stronger collaboration between academia and industry to foster innovation and impactful AI applications.

**Dr. KOTEESWARAN**  
Professor  
Chairman, IEEE Computer Society (Madras Section)  
Email: s.koteeswaran@gmail.com

**Keynote Topic:**

**“Advancing Intelligent Computing Through Collaborative Innovation”**

**Abstract**

The rapid evolution of computing technologies has opened new opportunities for innovation across research, industry, and society. Emerging areas such as Artificial Intelligence, intelligent systems, and data-driven technologies are transforming how organizations solve complex problems and deliver impactful solutions.

This talk explores the importance of collaborative research, professional communities, and knowledge-sharing platforms in accelerating technological progress. Strong partnerships between academic institutions, professional societies, and industry practitioners play a vital role in nurturing innovation, strengthening technical capabilities, and supporting the next generation of computing professionals.

As computing technologies continue to evolve, responsible development and open dialogue become increasingly important. Platforms such as IEEE and international conferences encourage the exchange of ideas, promote best practices, and enable researchers and professionals to work together toward meaningful technological advancement.

**Dr. Sengole Merlin, PhD**  
Cloud DevOps Consultant | Researcher  
Chennai, India

**Keynote Topic:**

**“Agentic AI in EdTech: Building Intelligent and Adaptive Learning Systems”**

**Abstract**

The rapid advancement of Artificial Intelligence is transforming how digital platforms are designed and delivered across industries, including education. Modern cloud infrastructures and DevOps-driven environments are enabling scalable, reliable systems that support intelligent, data-driven applications. Integrating AI into these ecosystems opens new possibilities for creating responsive and adaptive digital services.

This talk explores the emerging role of **Agentic AI** in educational technology, where AI systems can reason, adapt, and autonomously respond to learner needs. By combining cloud-native architectures, DevOps practices, and intelligent computing frameworks, it becomes possible to develop learning platforms that provide personalized experiences, continuous feedback, and improved knowledge delivery.

The discussion will also highlight how responsible AI adoption and collaborative research are essential for building trustworthy educational technologies. Platforms such as ICDSAAI play a key role in encouraging knowledge exchange and fostering partnerships that drive innovation in AI-powered learning environments.

**DR. A. AKILA**

Chair, Computer Society of India – Chennai Chapter

Technology Leader | Community Builder | Advocate for Emerging Computing Innovations

Email: [akila.scs@vistas.ac.in](mailto:akila.scs@vistas.ac.in)

**Keynote Topic:**

**“Strengthening Computing Communities for Responsible Digital Innovation”**

**Abstract**

The rapid advancement of computing technologies continues to reshape industries, research, and everyday life. Emerging fields such as Artificial Intelligence, intelligent systems, and data-driven technologies are creating new opportunities for innovation while also demanding responsible development and strong professional collaboration. Building platforms that encourage knowledge sharing and technical excellence is therefore essential for sustaining meaningful technological progress.

This talk highlights the importance of professional communities, collaborative networks, and technical forums in strengthening the computing ecosystem. Organizations such as the Computer Society of India play a vital role in connecting researchers, practitioners, and technology leaders who contribute to the development and responsible adoption of advanced digital solutions.

By encouraging dialogue, research collaboration, and industry–academia partnerships, conferences such as ICDSAAI create opportunities to explore emerging technologies, share insights, and inspire innovation. The discussion will emphasize how collective efforts within professional communities can support the growth of intelligent computing practices that deliver positive and sustainable impact across society.

## **ANANTHANARYANAN N**

Director, Bodhism Immertech Pvt Ltd.

Data Science & Digital Innovation Leader | Advocate for Analytics-Driven Decision Systems

Email: Ananthanaryanan.N@gmail.com

### **Keynote Topic: “Resilience, you and IT”**

#### **Abstract**

In an era defined by rapid technological transformation, resilience has emerged as a critical capability for individuals, organizations, and digital ecosystems. The keynote titled “**Resilience, You and IT**” explores how information technology, data-driven thinking, and human adaptability together shape resilient systems and resilient professionals. The talk highlights how modern IT infrastructures—supported by data science, analytics, and intelligent automation—enable organizations to anticipate disruptions, respond effectively to uncertainty, and continuously evolve in dynamic environments.

The session will discuss the role of **analytics-driven decision systems** in building adaptive enterprises, emphasizing how data, predictive models, and digital platforms can support strategic resilience across industries. It will also reflect on the evolving responsibilities of IT professionals, who must not only manage technologies but also cultivate problem-solving mindsets, ethical data practices, and collaborative innovation.

Through practical insights drawn from digital transformation initiatives, the keynote will illustrate how resilience can be embedded into both technological architectures and organizational cultures. By integrating **human intelligence, analytical capabilities, and robust IT systems**, organizations can transform challenges into opportunities for growth and innovation. The session ultimately encourages participants to view resilience not merely as a defensive strategy but as a proactive framework for sustainable technological progress in the digital age.

## 4<sup>th</sup> International Conference on Data Science, Agents, and Artificial Intelligence (ICDSAAI 2025) on 26th - 28th March 2026

**Venue: Chennai Institute of Technology, Chennai**

<b>CONFERENCE TRACK &amp; SESSION SCHEDULE</b>			
<b>DAY 1</b>		<b>ATE: 26-03-2026</b>	
		<b>TIMING: 11:30 TO 12:30 PM</b>	
		<b>VENUE: R1</b>	
<b>TRACK 1 2 3</b>		<b>SESSION 1</b>	
<b>SESSION IN-CHARGE: Mr. HARIKEISHNAN R</b>			
<b>SESSION CHAIR: Dr. C GEETHA</b>		<b>Co-CHAIR: Dr. RAMANAN K</b>	
<b>S No</b>	<b>Paper ID</b>	<b>Paper Title</b>	<b>Paper Presenters</b>
1	A006	Waste water purity monitoring and smart discharge control for coastal drainage	C. A. Subasini, M Arumugathai Alias Devi, S Ahkshayaa
2	A017	Empirical Assessment of State-of-the-Art Machine Learning Methods for Malicious and Phishing URL Detection	M. Jayaranjan, D.Ganesh, Samuel Babu Koppula, M. Sunil Kumar, M. Ravichand, K Brahma Muni Kailash
3	A019	Univariate Forecasting of EV Power Consumption Using LSTM Networks: A Deep Learning Approach	Puvirajan T, S.Amosedinakaran, P.Babu Rao, Bhuvanesh A, S.Vinoth John Prakash, B Vinod
4	A022	Intelligent Monitoring and Auto-Healing System Using Kubernetes in E-Commerce	M Krishnaraj, Sam J Prakash Roy, Sanjay Jakathees M S
5	A025	AI-Powered Smart and Secure E-Assessment Framework for Academic Institutions	Jackulin C, Marybenita A, Karthikeyan A, Jebasudha S, Lokesh K, Lokesh Kumar M
6	A033	Application of Deep CNN Classifiers for Diagnosing Alzheimer's Disease Using MRI	R Mari Selvan, K S R Rajeswari, N Dastagiri Reddy , M S Penchal Reddy, N Venkata Suresh
7	A036	Explainable Real-Time Predictive Maintenance in Milling Operations: An XGBoost Approach with LIME and SHAP	Aashish S Kamath, Monesh Kumar Boopathy, M. Salomi , Anamika Saroha
8	A055	CNN - Driven Model for Aerial and Satellite Image Classification and Feature Extraction	S.R Srinidhi, Lancia M, Sangeetha Francelin Vinnarasi F
9	A062	XAI Based Early Menopause Detection using Super Learner and Discriminant Analysis	Mercy Paul Selvan, Kalaivani S D, Kalyaniswari Parida, S. Sahana, Sai Lekhana Y, S. Prince Mary
10	A066	Sentiment Analysis Model for Online Forums to Classify Code-Mixed Text	Punitha K, Raja Shree S

11	A068	Leveraging AI for Personalized Learning to Improve Educational Outcomes in Underserved Schools	Shri Varshini D R, Sofi Beaula W, Mohamed Sajeeth A, Vinoth S
12	A070	Sentiment Analysis of Gender Equality Discussions Using NLP	Rajakumari R

<b>CONFERENCE TRACK &amp; SESSION SCHEDULE</b>				
<b>DAY 1</b>		<b>DATE: 26-03-2026</b>	<b>TIMING: 11:30 TO 12:30 PM</b>	<b>VENUE: R2</b>
<b>TRACK 1 2 3</b>		<b>SESSION 2</b>	<b>SESSION IN-CHARGE: Mr. HARIKEISHNAN R</b>	
<b>SESSION CHAIR: Dr. A SATHIYARAJ</b>		<b>Co-CHAIR: DR.E.GURUMOORTHY</b>		
<b>S No</b>	<b>PaperID</b>	<b>PaperTitle</b>	<b>PaperPresenters</b>	
1	A072	Reddit Rule-Violation Classification Using LLM-Assisted Data Augmentation and Multi-Model Evaluation	Krithikha Sanju S, Santhoshkumar R, Shyam Saran P	
2	A075	Digital Vision Technology for Automated Brain Tumor Segmentation and Classification Using AI-Powered Deep Learning	Narayana. K.E, Tamilselvan D, Vasantha Kumar. R	
3	A077	A Hybrid Deep Learning Approach for Fake News Detection Using LSTM, BiLSTM, and CNN-BiLSTM Models	Lavanya Ravilla, Suneethe Manne, Varalakshmi Maddireddy,	
4	A078	Efficient Sentiment Analysis of Amazon Reviews Using TF-IDF and Logistic Regression	Jackulin C, Raja S, Karthikeyan A, Kanchana A, Karthik Venkatraman, Karthikeyan M	
5	A079	CIVIX: A Biometric Voting System using Blockchain	Umamaheswari A , Jackulin C , Salini R , Karthikeyan A , Joshua Ashley Raymond , Lokeshkumar M	
6	A080	Explainable AI Based Weapon Detection Using Deep Learning	R. Anandh, Titus M, Yuvaraj Kumar V R, Ganapathy A	
7	A081	Bayesian Coordination Failure under Belief Asymmetry in Multi-Agent Systems	Sanchari Ghosh, Sandeep Mondal	
8	A086	Enhanced Food Recognition and Calorie Estimation Using Deep Learning Models	D. Ganesh, M. Sunil Kumar, Dabbala Sasipreetham Reddy, Dudyala Nageswara Reddy, Bhupani Charan, Dudekula Rizwana	
9	A088	AI for Early Detection of Substance Abuse in Institutions	M. Ramya, Abhinaya. G. A, Harini. V. S	

10	A091	Hierarchical Agent Architecture for Clinical Decision Support in Drug-Drug Interaction (DDI) Analysis	Hari Kishan B, Saadhvi R, Sakthi sudarsen J, Poonkodi M
11	A095	Clinical Decision Support System for Multi-Class Cancer Classification Using Machine Learning	Harshini Anagha, Rajesh Chelluboina, Jaya Lakshmi G
12	A107	AI Crop Advisor: A Machine Learning-Based Crop Recommendation System	Bency S, Dharshana S, Mageshbabu M, Senthil Murugan V

<b>CONFERENCE TRACK &amp; SESSION SCHEDULE</b>			
<b>DAY 1</b>	<b>DATE: 26-03-2026</b>	<b>TIMING: 11:30 TO 12:30 PM</b>	<b>VENUE: R3</b>
<b>TRACK 1 2 3</b>		<b>SESSION 3</b>	<b>SESSION IN-CHARGE: Mr. HARIKEISHNAN R</b>
<b>SESSION CHAIR: Dr. DHILIPKUMAR V</b>		<b>Co-CHAIR: Dr VIJAYA KUMAR V</b>	
<b>S No</b>	<b>Paper ID</b>	<b>Paper Title</b>	<b>Paper Presenters</b>
1	A108	Hostel Management System with ML-based Room Vacancy Prediction and Real- Time Facility Tracking for Fresher	JMSV Ravi Kumar, Batchu Charishma, Kada Prasanna, Daivala Anu Srija, Dake Neelima, Buddharaju Harshitha
2	A111	ProtoSlot: A Theoretically-Grounded Framework for Prototypical Slot-based Disentanglement via Optimal Transport	Ranjidha.P, Malathi.S
3	A115	ASTRA: Adaptive Scoring And Transactional Risk Assessment	Ramya Devi R, Sunitha T, Lokesh Khanna R, Deepak S, Nixan Dass A
4	A123	AI-Driven Traffic Congestion Prediction and Adaptive Signal Control Using Spatial-Temporal Graph Neural Networks	Karthik Rajan GN, Kabilan S , Nithya K
5	A124	GAN based Hierarchical semantic alignment and feedback attention network for text to image synthesis (HSAF-GAN)	R. Dhanalakshmi, Rajesh Rathinam, Aryan Gandrath, N. Vijayaraghavan
6	A126	A Hybrid Deep Learning Framework Combining Swin Transformer and Mask R-CNN for Dismantled Weapon Part Detection	Shanthi P, Yamini B, Vishnupriya A, Hariprabha S, Vidhya K, Panneer Selvi R
7	A127	Telemedicine Platform for Rural Healthcare in TamilNadu	Madhiyarasi AMD , Meghaa Jayakumar , Narayana K E
8	A129	Codecade: A Gamified Web Platform for Enhancing Data Structures and	Sahil Sachin Vaidya, Rohit Addagatla, Salvi Bhanse,

		Algorithms Learning with Instructor-Assisted Code Evaluation	Anoushka Sankpal, Nagaraju Bogiri, Vikas Maral
9	A130	AgriVision An AI Powered Agricultural Support System	Rishik Yogan S , Sharath A , Sathiyaraj A
10	A133	Improved AVR Performance Using a Combined ANFIS and Fractional-Order PID Controller	S.Krishnaveni, M.Muniraj, R.Aruna, M.Kanimozhi
11	A136	Click Integrity: An Adaptive Framework for Real-Time Click Fraud Detection in Online Advertising Using Artificial Intelligence	D.Ganesh, M. Sunil Kumar, Biddala Muni Jyoshna, Dudekula Chanti Bramhaiah, Aryan Reddy Gadi, Bobbu Khushi Ganesh Reddy
12	A138	Contextual Multi-Agent Negotiation Through Synchronized State Management, Real-Time Economic Intelligence, and Distributed Contract Enforcement	Vendhan U, Sivakathiravan TK, Poornima M

<b>CONFERENCE TRACK &amp; SESSION SCHEDULE</b>			
<b>DAY 1</b>	<b>DATE:</b> 26-03-2026	<b>TIMING:</b> 02:30 – 03:45 PM	<b>VENUE:</b> R1
<b>TRACK 1 2 3</b>	<b>SESSION 4</b>	<b>SESSION IN-CHARGE:</b> Mr. MUTHUPANDI G	
<b>SESSION CHAIR:</b> Dr. C GEETHA		<b>Co-CHAIR:</b> Dr.S.MUTHUMARILAKSHMI	
<b>S No</b>	<b>Paper ID</b>	<b>Paper Title</b>	<b>Paper Presenters</b>
1	A142	Intelligent Vision-Based Framework for Billboard Detection and Information Extraction Using Deep Learning Techniques	P.TamilSelvi, Vanathi Lakshmi .J .K, M. Sachin
2	A143	Data-Driven Analysis and Prediction of Electric Vehicle Charging Load Patterns Using Machine Learning	M.Salomi , K.Rajchandar, Sidharth Mangathil , Indraneel S , G S Nihal Razak
3	A147	Graph-Based Variational Autoencoder Framework for Tumor Microenvironment Profiling Using Multi-Cohort Transcriptomic Data	I R Oviya, J C Harshini, Kantipudi Chethana
4	A148	Phish Guard: A Novel and Hybrid Deep Learning Framework for Real-Time Phishing Website Detection	D.Ganesh, M. Sunil Kumar, Katakam Praneeth Reddy, Mutala Jameelunnisa, Penikalapati Anil Chowdary, Janapati Narasimha
5	A149	A Predictive IoT Framework for Continuous Vehicle Emission Monitoring Using Ensemble	Kamal Sundar SK, Kaushik R A, Akhilesh Shukla, Srinikesh R, Jayanthi P

		CatBoost and XGBoost Learning	
6	A150	AI-Powered Alumni–Student Mentorship and Career Guidance Platform	Benita Grace Kulur
7	A151	Smart Petition Handling System	Balamurali A, Udhayavasan V, Venith A
8	A152	Real-Time Coconut Tree Disease Detection and Management Using YOLOv8	Balakrishnan D, Princy S, Aarthi C, Sudarvizhi T, Sikkandhar Batcha J, Gautam Vijay K K
9	A153	Transformer-Based Approaches for Low-Resource Tamil–English Code-Switched Automatic Speech Recognition	Sumathi R, Vasuki.P
10	A154	AI-Driven Gesture and Voice Controlled Car Racing Game	M.Indumathi, E.Mohanraj, K.Sivaprakash, Chandru K S, Nandhini V D, Madhukumar M
11	A162	Cyber Sentry - Protecting User from Zero-Day Phishing	Raja S, Jackulin C, Keerthivaasan N, Liyakath J, Kaviyarasu S, Jonathan Ryen Joseph D
12	A171	A Secure Intrusion Detection System Against DDoS Attacks Using Machine Learning	M. R. O. Aswath Prakash, Gayathri R, Braveen M

<b>CONFERENCE TRACK &amp; SESSION SCHEDULE</b>			
<b>DAY 1</b>	<b>DATE:</b> 26-03-2026	<b>TIMING:</b> 02:30 – 03:45 PM	<b>VENUE:</b> R2
<b>TRACK 1 2 3</b>	<b>SESSION 5</b>	<b>SESSION IN-CHARGE:</b> Mr. MUTHUPANDI G	
<b>SESSION CHAIR:</b> Dr A SATHIYARAJ		<b>Co-CHAIR:</b> DR.P.AURCHANA	
<b>S No</b>	<b>Paper ID</b>	<b>Paper Title</b>	<b>Paper Presenters</b>
1	A192	Automated Document Authentication: Deep Learning-Based Detection of Fraudulent Invoices Using Vision Transformers	Harinderan T, S. Baghavathi Priya
2	A196	EpigraphAI: A Deep Learning Framework for Ancient Tamil Stone Character Recognition	Evelyn Ramola A, Nithiyasri R, Bhavana K, Dharani S, Vanitha R
3	A197	Automated Web-Based Dyslexia Screening Using Hybrid ML and DL Models	Vadivelu A, Subaashini M, Subhiksha S. J
4	A198	Uncertainty-Aware Deep Learning for	Bhargava Ram Edla, R

		Robust Intracranial Haemorrhage Subtype Classification	Dhanalakshmi
5	A199	Scalable Multi-Camera Attendance System using OpenCV for Large Lecture Halls	Madhan S, Varatharajan K V, Surendar K, Gopinath R, Rajan C
6	A200	Synergizing Spatial Partitioning and Convolutional Attention: A Robust YOLOv11 Framework for Occluded Apple Detection	Baghavathi Priya S, Neelraj R, Krithikha Sanju S, Venkateswaran Radhakrishnan
7	A204	The Deep Learning Architectures for Mammogram Interpretation: A Comparative Survey	Sunitha T, Veeramalai Sankaradass
8	A206	Oxygen therapy real-time monitoring and control system	Janani V, Balaraghu P, S Revathy, Amish Jairus G A, J Jeffrey Daniel Raj, M Robinson Joel
9	A207	Trace AI: Explainable Multi-Model Framework for Cross-Lingual and AI-aware Plagiarism Detection	Varshini S, Sivaranjini V, Snowfaah N, Swati Saxena
10	A209	A Hybrid Framework to Fuse Sensor and Video Data for Human Activity Recognition	Ishwarya Kothandaraman, Arunadevi R, M.Balasubramani, Nandhini G, R.Suganthi, M.Robinson Joel
11	A210	Urban Heat Island Hotspot Identification and Temperature Forecasting Using Time-Series Analysis	S. Surya, A. Christoper Tamilmathi, Aarthi A, Bhavya A
12	A212	AeroSweep – Airborne Intelligence Against Waste	M.Salomi, K.Rajchandar, Samsudeen.S, Kirushakkarasu KT, Sanjay Ponnambalam N

<b>CONFERENCE TRACK &amp; SESSION SCHEDULE</b>			
<b>DAY 1</b>	<b>DATE:</b> 26-03-2026	<b>TIMING:</b> 02:30 – 03:45 PM	<b>VENUE:</b> R3
<b>TRACK 1 2 3</b>	<b>SESSION 6</b>	<b>SESSION IN-CHARGE:</b> Mr. MUTHUPANDI G	
<b>SESSION CHAIR:</b> Dr. DHILIPKUMAR V		<b>Co-CHAIR:</b> DR SHAIKH HUSSAAINS	
<b>S No</b>	<b>Paper ID</b>	<b>Paper Title</b>	<b>Paper Presenters</b>
1	A214	Omnibot AI: Unified Multi-Modal Intelligent Assistant	N.R.Rajalakshmi, V.Jeevanantham, R Panneerselvi, George Benedict S, Mohan Krishna.S

2	A215	Real-Time Currency Identification for Visually Impaired Users Using a Lightweight YOLOv5-Based Object Detection System	Nethi Sathwik, Talasila Balaji, M. Chandralekha
3	A217	An Adaptive IoT Cloud Deep Learning Framework for Real-Time Disease Prediction and Monitoring	Shobana D
4	A218	AudX: Audio Enhancement System Using LSTM	Bollimuntha Kavya Sai, Garapati Mohitha, M. Chandralekha
5	A224	Transformer-Based Sentiment Analysis For Enhanced E-Commerce Recommendation System	K.Devi Sri Prasanna, G.JayaLakshmi, V.Naga Nikshipta
6	A225	A Hybrid NLP and Machine Learning Framework for Accurate Spam Detection In Youtube comments	Swetha.S, Sheeja Sudheer
7	A226	A Secure Bitcoin Fraud Detection Framework using Triad Machine Learning Algorithms	Keerthana Shree.M.U, Harini.S.S , Haritha.R.V, A.Kanchana, M.Sangeetha
8	A228	Advanced Optimization and Load Forecasting in Smart Industrial Grids: Employ AI for Enhancing Energy Efficiency in IIoT	Senthilkumar. C, S. Sujatha, A.Jeyamurugan, S. Chitra Selvi, Liya Alias, Agash Chozhan M
9	A236	An Intelligent Online Voting System Powered by Opencv-Based Face Recognition and Authentication	Janani. V , Kirthika. A
10	A244	Implement of Edge-AI to Process Photographs on Mobile Devices: Compacted Neural Network Models for Tracking Wildlife in Distant Forest Areas	K Ravishankar, K. Maniraj, Sivakumar Kaliyappan, Pradeep G, Samuthirapandi V, Vijaya Vardan Reddy S P
11	A254	A Multi-Level Alerting Framework for Detecting Driver Drowsiness	R Pandimeena, Vignesh BN, T Sampath
12	A261	Hybrid Transformer-Stylometric Detection of LLM-Related Phishing E-Mails: A Three-Classes Classification Framework	MG Ananya, Jayavarshini Srinivasan, R Mohandas, Kandavel N, M Vinodhini, Karthikeyan P

<b>CONFERENCE TRACK &amp; SESSION SCHEDULE</b>				
<b>DAY 2</b>		<b>DATE: 27-03-2026</b>	<b>TIMING: 01:00 – 02:00 PM</b>	<b>VENUE: R1</b>
<b>TRACK 1 2 3</b>		<b>SESSION 7</b>	<b>SESSION IN-CHARGE: MR PRABAKARAN G</b>	
<b>SESSION CHAIR: Dr.KAVITHA</b>		<b>Co-CHAIR: DR. S. RAJES KANNAN</b>		
<b>S No</b>	<b>Paper ID</b>	<b>Paper Title</b>	<b>Paper Presenters</b>	
1	A262	Brain Computer Interface Using EEG Signals for Emotional State Detection	P Anand Kumar, O G Ashwanth Balaji, Nithiya Baskaran, P.Aurchana	
2	A263	Optimizing object detection with Yolov5 for Real-Time Applications using smart surveillance	Udhayakumar M, Janarthanan R, Manisha P T, Sathya S, Dhivakar S, Blessow M	
3	A264	Integrated Infrastructure Automation and Container Orchestration for Consumer-facing Applications: Enhancing Efficiency, Security, and Observability in Cloud-Native Environments	Sumathi S, Keerthana Rajesh Kumar, Pooja Srikanth	
4	A265	A Lightweight Blockchain-Enabled Trust-Aware Secure Routing Protocol for MANETs Using PoA and DSR	Prakatheesh subbaya.S, Sarathy.P, Mohandas.R, Pandimeena.R, Vinodhini.M, Senthil kumar.S	
5	A268	A Smart Vision and Sensor-Based System for Sleep Monitoring and Quality Assessment	Nandhakumar D, A. R. Kavitha, Monisha Manikandan	
6	A271	Chronic Kidney Disease Prediction Using Enhanced Feature-Enriched Dataset and Stacked Ensembled Models	Krishnaa A B Ve, K.Ramanan, Anish S V, Adityabala A S, Harish K, Kamaleshwaran Murugan	
7	A273	Transformer based NLP Models for Enhanced Email Spam Detection	Vinoth N, Baskar M, Vinoth T, Anush Raj B	
8	A275	A survey on AI - Driven Harmonic Distortion and Voltage rise in Grid Solar PV Systems	Yajnesh R, Nagavinubalan S, Prasithaa Mu, Hema V R, Samuthira Pandi V, Eric Clapten J	
9	A276	Acad Sync - Advancing AI-Enabled Personalized Education	Senthil Kumar G, Kirubakaran N, Balaraman Sundarambal, A Afnan Sharmeen, Sivasakthi K, Anitha V	
10	A279	Cricket Bat Ball Segmentation Using Mask Regional Convolutional Neural Network	Dhinakaran Krishnan, J.Jai Jaganath Babu, P. Vanitha	
11	A282	A Dynamic Task Routing Agent Integrated With A Hierarchical	Kandavel N, Lokeshwaran R, Bhuvaneshwaran K, Gowri R,	

		Retrieval and Semantic Caching Framework	Pavithra R
12	A287	AI-Powered Academic Publication Summarization and Profile Generation System for Faculty Members	Anila S V, Naresh M, Pranav P

<b>CONFERENCE TRACK &amp; SESSION SCHEDULE</b>				
<b>DAY 2</b>		<b>DATE: 27-03-2026</b>	<b>TIMING: 01:00 – 02:00 PM</b>	<b>VENUE: R2</b>
<b>TRACK 1 2 3</b>		<b>SESSION 8</b>	<b>SESSION IN-CHARGE: MR PRABAKARAN G</b>	
<b>SESSION CHAIR: Dr.K.VENKATESAN</b>		<b>Co-CHAIR: DR RAMASUBRAMANIYAN</b>		
<b>S No</b>	<b>Paper ID</b>	<b>Paper Title</b>	<b>Paper Presenters</b>	
1	A291	CodeVision: A Self-Explaining Intelligence Platform for Understanding Complex Software Repositories	R. Thirumalai Murugan, Shreevathsan R, Kumara Ayyappan V, Yogapriya M, J Udhayakumar, Nagomiya S	
2	A292	Computational Neural Network Analysis of Waste Pet Fibre Reinforced Rubberized Concrete Beams	R.karthikeyan,M.Tholkapiyan ,M.Sivakumar,Gaayathri.KK, K.Suguna,S.Sudharsanam	
3	A295	Deterministic Real-Time Compression of PWM Signals Using Huffman Encoder	S Aathilakshmi , Sandhyaa K , Kanimozhi S, Dhamarai Kannan A, Shandini M, Gowtham K	
4	A298	Enhanced Dermatoscopic Diagnosis A Transfer Learning Approach using Quantized EfficientNet and Monte Carlo Dropout	J Kasthuri, Hema Sweetaa V T, Fiza Thashin A	
5	A302	LightExec: A Lightweight Container-Based Sandbox for Secure Online Code Execution	M Prabu, C S Shriram Jayanth, Karthigaiselvam R	
6	A304	Realization of Adaptive Reconfigurable Flip-Flop Architectures for Neuromorphic Computing	Sezhumparithi N, Nidesh Kanna R, R. Suresh Kumar	
7	A306	SeaSense: An AI-Powered Conversational Interface for Oceanographic Data Analysis Using RAG Architecture	Nithiya Baskaran, Srinithi S, Samyuktha V	
8	A307	Smart Retrieval of Industrial Standards with LLM and Elastic Search	Poornima Jayaraman, Pachaivannan Partheeban, Kothalam Krishnan Nagarajan, Koushik N, G Nikil Manikandan, J.Jerauld Alwin	

9	A309	Towards the Self-Optimizing Computer: A Review of AI-Driven Architectures for Kernels and Distributed Infrastructure	Karthikeyan P, Krishna Kumar G D, Priyanka S
10	A310	Transaction Fraud Detection in Digital Payments Using Adaptive Learning Models	Mahalakshmi S, Ranganathan Rani Hemamalini, Marie Celia Alfred, Ramya K
11	A313	Video Management System with Live AI Inferencing	Kandavel N, Rahul Navneeth M, Nakul S A, Raj Karkee J, Yoga Priya M, Pavithra R
12	A316	A Hybrid Multi-Stage Deep Learning Framework for Automated Retinal Disease Screening and Diabetic Retinopathy Severity Classification	Buvanagirish S K, R Rithvik, P. Aurchana, Nithiya Baskaran

<b>CONFERENCE TRACK &amp; SESSION SCHEDULE</b>			
<b>DAY 2</b>	<b>DATE: 27-03-2026</b>	<b>TIMING: 01:00 – 02:00 PM</b>	<b>VENUE: R3</b>
<b>TRACK 1 2 3</b>	<b>SESSION 9</b>	<b>SESSION IN-CHARGE: MR PRABAKARAN G</b>	
<b>SESSION CHAIR: Dr.N.SIVAKUMAR</b>		<b>Co-CHAIR: DR K MARIYAPPAN</b>	
<b>S No</b>	<b>Paper ID</b>	<b>Paper Title</b>	<b>Paper Presenters</b>
1	A323	An AI-Enhanced Conversational Model for Personalized Interview Preparation Integrating NLU With Deep Learning Methodologies	Helen Sathiya V, Nandhakishore A, Raghuram L
2	A324	Artificial Intelligence Enabled Human Gait Recognition System for Viewpoint Aware Visual Surveillance	K.Sabitha, R.janarthanan
3	A326	Assessment of Agricultural Drought Using CROPWAT and DRINC and Prediction Using Machine Learning Approach	Packialakshmi. S, Anuradha. B, Sheena. A.D, Nagamani. K
4	A327	Beyond Chunk-level RAG: Hierarchical Document-aware Retrieval for Indian Legal Judgments	Shunmuga Sundari M, Tejeswar S, Arivarasan A,
5	A329	Boundary-Aware Clause Segmentation for Zero-Shot Legal Clause Discovery Using Natural Language Inference	Ramanan K,Gokul Krishna R, Gopika Shree M
6	A330	Classification of Seizure using Deep Learning	Merlin C D, Stella Mary V
7	A335	Explainability First Parkinson's	Susan Mano Derry V,

		Analytics: SHAP Driven Attributions from Telemonitoring and Voice Signals	Samuthra Pandi V, Danish A. G
8	A337	Multimodal Voice and Speech Recognition	A.R Kavitha, V.M Thejashree
9	A338	Neuro-Symbolic Financial Transformer: Integrating Attention Mechanisms and Topic Modeling for Market Prediction	Manickavel P, Raja Kumar S
10	A339	ReguAssist: A Multi-Tenant Retrieval-Augmented Generation System for Regulatory Compliance with Hybrid Search and Automated Auditing	Senthamizhselvi S, Sudheep S, Sarvesh S
11	A341	Smart Study AI -Lecture Navigator	D.Rosy Salomi Victoria, Pavithra R, Rithika B
12	A343	Sustainable Vision: Next-Generation Lightweight Deep Learning for Green Image Processing	Sumithra M, Mahalakshmi S, Kowsalyadevi K, Premkumar R, P Chitra, R Panneerselvi

<b>CONFERENCE TRACK &amp; SESSION SCHEDULE</b>			
<b>DAY 2</b>	<b>DATE: 27-03-2026</b>	<b>TIMING: 01:00 – 02:00 PM</b>	<b>VENUE: R4</b>
<b>TRACK 1 2 3</b>	<b>SESSION 10</b>	<b>SESSION IN-CHARGE: Mr GUHAN BALAJI C</b>	
<b>SESSION CHAIR: Dr.S.BAGHAVATHI PRIYA Co-CHAIR: DR.M.AYEESHA NASREEN</b>			
<b>S No</b>	<b>Paper ID</b>	<b>Paper Title</b>	<b>Paper Presenters</b>
1	A346	TRENDX: An Integrated AI – NLP Framework for Multilingual Social Media-Driven Business Intelligence and Trend Forecasting	Nandhakumar D, A. R. Kavitha, Narmatha G
2	A351	NyayaAssist: A RAG-Based AI Legal Information System with Vector Embeddings	D.Jagadiswary, Nandha Gopal V, Mohammed Isa S A
3	A355	Application of AI to Identify Industrial Internet of Things (IIoT) Abnormalities: Combining Intelligent Sensors for Predictive Industrial Inspection	Seethalakshmi J, T. Kamaleshwar, V.Pushpa, Haritha V, Dharanika s, Murthy Satheesh Babu
	A356	Aware of Latency Moving to Edge–Cloud Computing Collaborative Mobile Computing: Real-Time Decision-Making Algorithms	Muruganatham Angamuthu, Yousuf Hazaimah, Chandra Doddapalli Ramachandra, R Ramesh, G. Ramkumar, G Karuna
5	A357	Employ Fuzzy Decision Making in Image Processing: A Rule-Based Enhancement	V Vijayalakshmi, Mohammad Omar Sabri, M.Aswinrani,

		Method for Low-Contrast Medical Images in CT and MRI Scans	Haritha V, B. Manjusha, Geeta Padole
6	A358	Explore Deep Learning for Early Disease Detection: Chronic Illness Prediction via the Application of EHRs and Time-sensitive Neural Networks	K Ravishankar, Vamsi Krishna Pentela, M. Sindhu, Murthoty Satheesh Babu, S. Sharanyaa, Jeya Caleb J
7	A360	Innovations in AI with Machine Learning for Smart Retail: Analyzing Consumer Behavior and Forecasting Demand from Video and Transaction Data	Deepa G, T. Kamaleshwar, V. C. Ranganayaki, L. Dharani, Samuthirapandi V, S. Jaanaa Rubavathy
8	A366	A Multi-Class Plant Disease Classification Approach Using Deep Learning	M.Harikrishnan, Siddharth S, Tharun K, Srihari V, Ramya G, R Karthiga
9	A368	Enhancing Connectivity, Security, and Energy Efficiency in Contemporary Residential Settings using AI with Li-Fi Technology for Smart Homes	V Vijayalakshmi , V.C.Ranganayaki, S. Saranya, Sami Askar, Pallavi Giri, G. Karthikeyan
10	A371	Advanced Smart Grid Administration Utilizing AI: Instantaneous Load Prediction and Flexible Demand Response in Renewable Energy Systems	P. Gandhimathi, Mohammad Rasmi Al-Mousa, Neethu Krishnan, V. Parimala, M. Vineesha, Akila Venkatraman
11	A372	Integrate Machine Learning (ML) into Climate Change Modeling: Predictive Systems for Extreme Weather utilizing Space Surveys and Time-Series Analysis	Arvind Narsing, Yousuf Hazaimah, Abhilash Narayanan, Koushik Lingam, G. Ramkumar, Bh. Prashanthi
12	A373	Development of Personalized Diseases with Digital Twins: Wearables for Real-Time Monitoring and Early Intervention in Heart Patients	Vijay. J, Ali Elrashidi, K Saravanan, Rajmal Joshi. M, P Sasmita Kumari, C. Lavanya

<b>CONFERENCE TRACK &amp; SESSION SCHEDULE</b>			
<b>DAY 2</b>	<b>DATE:</b> 27-03-2026	<b>TIMING:</b> 1:00 TO 2:00 PM	<b>VENUE:</b> R5
<b>TRACK 1 2 3</b>	<b>SESSION 11</b>	<b>SESSION IN-CHARGE:</b> Mr. KARTHIKEYAN R	
<b>SESSION CHAIR:</b> Dr. NITHIYA BASKARAN		<b>Co-CHAIR:</b> DR. SARAVANAKUMAR P	
<b>S No</b>	<b>Paper ID</b>	<b>Paper Title</b>	<b>Paper Presenters</b>
1	A374	Employ Deep Learning for Remote Sensing: Land Use Classification and Change Detection Using Multiband Aerial Photographs	Venkateswaran Petchiappan, Mohammad Kanan, Shiva Shankar Mummidi, G. Sujatha, B. Srilatha, C. Vivek Kumar
2	A376	Enhance IoT Data Privacy with	T. A. Sathish Shankar,

		Blockchain: A Direct Consensus Protocol for Safe Edge Device Interaction	Veeramalai Sankaradass, A. Jeyanthi, G. Karthikeyan, Kavitha Muthukrishnan, A. Rajalingam
3	A377	Develop Artificial Intelligence Systems for Space Exploration: Processing Images in Real Time and Identifying Anomalies from Radio Frequency Sensor Data from Satellites and Rovers	Kanne Naveen, Shazia Kausar, N. Arockia Rosy, D. Kirubakaran, Shobana D, A. Rajalingam
4	A379	AI in Precision Agriculture & Food Security	Nirmala Devi, D. Charanya, S. Sabarinathan, G. Nithish Kumar
5	A381	X-Ray Intelligence: Instant Hand Bone Fracture Detection & Localization Using Yolov8 Deep Learning Model	K.Kavitha, N Rajkumar, P.Anitha
6	A383	A Metric Study for Identifying Competent Malignant User For Recommender Systems	P.M.S.S. Chandu, B.Geethavani, K. Yaswitha, N. Deepika, M. Gnana Chaithanya, G. Mourya Siddartha
7	A385	Cross-Project Defect Prediction Using High-Dimensional Feature Selection and Decision Tree	J.Maria Arockia Dass, B.Geetha Vani, T Dilli Kumari, G Chandana, B Harika, G Chaitanya
8	A386	Efficient Hybrid Metaheuristic Model for Early Detection of Breast Cancer in Mammograms	Koushalya.S, S. Baulkani
9	A387	Enhancing Cardiovascular Disease Prediction Through Deep Learning: Leveraging Retinal Images with CNN and MobileNet Architecture	J.Sridhar, J.Maria Arockia Dass, A. Sree Rishika, N. Sreya, M. Teja, S. Tharun Kumar
10	A388	Fake Reviews Detection through Ensemble Learning	K. Jagadeesh, V.Balaji, S Hema Sekhar Reddy, G Gayathri, K Krishna Reddy, G Charesh Reddy
11	A390	Microorganism Image Recognition And Disease Prediction Based On Deep Learning	R.M. Mallika, M.Giri, U. Reddy Lokesh Reddy, G. NavyaSree, K. Narendra Babu, M. Pavan Sai
12	A394	AI-Driven Neural Architecture Search for Scalable and Accurate Big Data Analytics in Cloud Environments	Shobana D

<b>CONFERENCE TRACK &amp; SESSION SCHEDULE</b>			
<b>DAY 2</b>	<b>DATE:</b> 27-03-2026	<b>TIMING:</b> 03:00 – 04:15 PM	<b>VENUE:</b> R1
<b>TRACK 1 2 3</b>	<b>SESSION 12</b>	<b>SESSION IN-CHARGE:</b> Mr. KARTHIKEYAN R	
<b>SESSION CHAIR:</b> Dr. KAVITHA <b>Co-CHAIR:</b> DR.JAGADISWARY D			
<b>S.No.</b>	<b>Paper ID</b>	<b>Paper Title</b>	<b>Paper Presenters</b>
1	A396	EduAble: AI Assistant for Smart Learning	R.Sivakoumar, Sanjana V, Jaishree Pb, Karthik, N Prakash, Janani Varnikha S
2	A397	Gamifying Financial Literacy in the Digital Era	Vishali Muralidharan, Pawan Eswaran , Rahul Elango, Suresh Kumar K, Vani N, Janani Varnikha S
3	A398	HERMES: An AI Business Partner for Growing Startups and SMEs	Selvaganesan C, Haroon L, Kamalakar Ramineni, Biju Balakrishnan, Syed Faraaz Ahamed S, Vijayaraja V
4	A399	Forecasting Academic Outcomes for Students through Machine Learning and Deep Learning Methods	P.Poongothai, Ramesh R
5	A400	Smart Crop Recommendation System using TabNet and LLM Integration	T. C. Sabareeswari, Dr. P. Pattunnam, Vidhyashree S
6	A401	Smart Notes Artificial Intelligence: Summaries, Flashcards and Advanced Study	Senthil Kumar G, Vaishnavi M, R Nithyashree, Kamalakar Ramineni, Saranya G, Janani Varnikha S
7	A402	Student Sync – A Student Management System	Balaraman Sundarambal, Pavadarini BG, Tiruvalarnayatty S, Karthikeyini C, Suresh Subramanian, Rajaram Pichamuthu
8	A403	TRAP- Transaction Risk Assessment Prevention	Kirubakaran N, Yagna Baskar Sangeetha Hemashree, H S Arshiya , Shaini A, Karpagam T, Janani Varnikha S
9	A404	Machine Learning–Assisted Spatio-Temporal Analysis of Algal Bloom Dynamics in the Arabian Sea.	Tholkapiyan.M, Gaayathri K, R. Sivaji, MCK. Jamenraja, Ravi M, Karthikeyan R
10	A405	Data Science–Enabled Modelling of Algal Bloom Occurrence Using Multi-Source Remote Sensing and Meteorological Data in the Gulf of Mannar	Tholkapiyan.M, Gaayathri K, R. Sivaji, MCK. Jamenraja, Ravi M, Karthikeyan R

11	A406	Machine Learning Driven Forecasting of HNEV Markets: Challenges, Policies, and Pathways to Growth	Paul Sundar Singh, Priya R
12	A408	Implement the Use of Artificial Intelligence in Urban Mobility Systems: Optimizing Traffic in Real-Time and Using Internet of Things Sensors for Smart Routing	R. Sundar, Monisha. M, V.G Dharsana Dharani, Vijayan P M, G M Karpura Dheepan, A. Muthukrishnan

<b>CONFERENCE TRACK &amp; SESSION SCHEDULE</b>				
<b>DAY 2</b>		<b>DATE: 27-03-2026</b>	<b>TIMING: 03:00 – 04:15 PM</b>	<b>VENUE: R2</b>
<b>TRACK 1 2 3</b>		<b>SESSION 13</b>	<b>SESSION IN-CHARGE: Mr. KARTHIKEYAN R</b>	
<b>SESSION CHAIR: Dr.K.VENKATESAN</b>		<b>Co-CHAIR: DR.KIRUBAKARAN N</b>		
<b>S No</b>	<b>PaperID</b>	<b>PaperTitle</b>	<b>PaperPresenters</b>	
1	A410	Empowering Efficient Data De-duplication with User-Centric Security Control in Cloud	G. Indiravathi, Maheswari, R. Charishma, K. Charithasree, M. Ajay, S. Kowshik Reddy	
2	A411	Enhancing Dental X-Ray Segmentation Using Deep Learning	B. Sarvesan, J.Sridhar, S Soumya, Vaddi Tejaswini, Gopi Yamini, Shasidhar Avula	
3	A412	Enhancing Information Literacy by Predicting Behavior Characteristics of Students using Deep Neural Networks	R.M.Mallika, R.Surekha, S. Kiran, R. Hemapriya, R. Sainath Reddy, P. Geetha	
4	A413	Establish a Secure Medical Diagnosis System Utilizing Convolutional Neural Networks (CNN): A Federated Learning Framework Supported by Blockchain for Privacy Protection	Abhilash Narayanan, Mohammad Rasmi Al-Mousa, A. Jeyanthi, M. D. Boomija, Kranthi Kumari, J. Alekhya	
5	A416	Implementation of Machine Learning (ML) in Industrial IoT Systems: Smart Manufacturing Lines, Fault Detection, and Maintenance Prediction in Real Time	Shiva Shankar Mummidi, Safeyah Tawil, Naga Sekhar Madala, D. Kirubakaran, P. Hareesh, Krishna Bhargavi Y	
6	A418	Integrate Deep Learning (DL) to Improve Smart Surveillance: Re-identifying People in Multiple Cameras and Monitoring Their Behavior in Public Areas	N. Darwin, Safeyah Tawil, Haritha V, D. Jeevitha, O.S.D. Hima Bindu, Marichamy. D	
7	A419	Securing Health Insurance Claims for Prescription Drugs Based on Block	V.M.Vinayagam, P.M.S.S. Chandu, I. Likitha Sree, K.	

		Chain	Lokeswari, B. Navya Sree, K. Nagendra Varma
8	A420	Smart Solutions for Preventing Accidents in Railway Stations	M.P.Kumar, G.Indiravathi , B.Prudvi, G.Teja, N.Saillekya, K.Usharani
9	A421	CPAP/BiPAP Controller Using Bioimpedance Based Respiratory Monitoring	S.K. Manikandan, M. Nisha Angeline, S. Maheswari, S. Kavya, P. Kanimozhi, J. Delsika
10	A422	Energy Efficient PV System Monitoring Using IoT and Hybrid World Cup Optimization ANN Model	Srinivasan P, Sivakumar TA, Anushraj B, Sunil S. Harakannanavar
11	A423	Intelligent Diagnosis of Leaf and Fruit Disease with Automated Remedy Proposals	Babu. M.C, Jayaprakash L, Srikanth M
12	A424	Real-Time Mine Safety Alert System for Gas Leakage Detection Using Hybrid GWO-PSO Optimized Machine Learning	Srinivasan P, Keerthi Nethra T, Arulaanandham K, Santhosh M

<b>CONFERENCE TRACK &amp; SESSION SCHEDULE</b>			
<b>DAY 2</b>	<b>DATE:</b> 27-03-2026	<b>TIMING:</b> 03:00 – 04:15 PM	<b>VENUE:</b> R3
<b>TRACK 1 2 3</b>	<b>SESSION 14</b>	<b>SESSION IN-CHARGE:</b> Mr. KARTHIKEYAN R	
<b>SESSION CHAIR:</b> Dr.N.SIVAKUMAR		<b>Co-CHAIR:</b> DR. MEENAKSHI R	
<b>S No</b>	<b>Paper ID</b>	<b>Paper Title</b>	<b>Paper Presenters</b>
1	A425	A Hybrid EfficientNet–XGBoost Framework for Multi-Class Lung Disease Classification	S. Kavitha, Vani Rajasekar , T. Vanaja , K.S. Pagalavan , S. Sachinsandron , Roshni Magesh
2	A426	Muzzle Pattern Recognition for Cattle Identification using Machine Learning for Real- Time Health Monitoring and Predictive Analytics	K.Saranya, Veeramalai Sankaradass
3	A428	Systematic review of modelling and methodological approaches for early detection and treatment of Epileptic Seizures with Machine learning integration	Raja Priya S, K. Madhavan, S. Pavithra, R. Ramesh
4	A430	Performance Analysis and Optimization of YOLOv8 for Industrial Defect Detection: A Comparative Study with YOLOv5 and YOLOv7	A Nageswaran, Sachin S, Muzammil Y

5	A431	Automatic Road Extraction and Alert Generation for New Roads from Satellite Imagery	M.C. Babu, Sriram K, Suganidhi B
6	A433	Rotational Ultrasonication-Assisted Stir Casting of AA7075–MWCNT Composites with Machine Learning Optimization	Arunkumar Thirugnanasambandam, Smruti Rekha Swain, Priti Gupta, C. S. Nakul Kalyan, Kumaran Kadirgama, W.W.F. Chong
7	A434	Statistical Modeling and Particle Swarm Machine Learning Optimization of AA7075/TiB2 Nanocomposites Fabricated Using Stir Casting	Amith S.C., Arun David, Priti Gupta, M.K. Bala Kaarthik, Wan Sharuzi Wan Harun, Arunkumar Thirugnanasambandam
8	A435	An Intelligent AI-Assisted Wearable Health Monitoring Framework with Reduced Cloud Dependency	P.Vidhya Lakshmi, Nandhakumar R, Vikram R, Vishnu B, S Pavithra
9	A436	Multimodal Deception Detection Using Machine Learning and Deep Learning	Lathika Meiraja, L Jenitha Mary, Radha N, Swathika R
10	A438	Enhanced Blockchain-Enabled Voting Mechanisms: Guaranteeing Secure, Transparent, and Verifiable Elections Through Distributed Ledger Technology	Muruganantham Angamuthu, Mohammad Kanan, M Yasaswini, M. Silambaeasan, G. Ramkumar, Bharathi Panduri
11	A442	Multimodal Speech Recognition using video and neural signals	Sugumar S, Prakash S, Radha N, Swathika R, L Jenitha Mary
12	A443	Self-Healing AI Architecture: Recovery Patterns for Agentic Degradation	Viswapriyan Ragupathy, B.Vijaya

<b>CONFERENCE TRACK &amp; SESSION SCHEDULE</b>			
<b>DAY 2</b>	<b>DATE:</b> 27-03-2026	<b>TIMING:</b> 03:00 – 04:15 PM	<b>VENUE:</b> R4
<b>TRACK 1 2 3</b>	<b>SESSION 15</b>	<b>SESSION IN-CHARGE:</b> Mr MATHESH R	
<b>SESSION CHAIR:</b> Dr.S.BAGHAVATHI PRIYA SHANMUGASUNDARAM G		<b>Co-CHAIR:</b> DR.	
<b>S No</b>	<b>Paper ID</b>	<b>Paper Title</b>	<b>Paper Presenters</b>
1	A444	Scalable Causal Tracing and Reproducible Episodes for Multi-Agent Systems	Viswapriyan Ragupathy, B.Vijaya
2	A445	Integrated Temporal Contextual Machine Learning Framework for Real-Time Multi-Layer Threat Detection and Predictive Risk Assessment in Multi-	Vigneswari J, Yamini B

		Tenant Cloud Infrastructures	
3	A446	AI-Based Plant Disease Classification and Intelligent Treatment Recommendation System	Gladdis Merlin N R, Ilakkiya R, Cheemalapati Padmaja, Gayathri J, Anushka G
4	A447	GUS: A Graph Utility Score Framework for Method Selection in Fraud Detection	Dhiyanesh Sidhaiyan, Divyansh Bhatia, Srinivasan Gopalakrishnan
5	A449	An Artificial Intelligence-Enhanced Hybrid Deep Learning (DL)/Imaging Approach to Early Disease Detection in Healthcare	R. Archana, Ali Hussein Ali Abu Zaid,, M. Bhavani, Praveena. V, G Nagarjuna Rao,Kolisetti Giridhara Sravani,
6	A451	Integration of IoT with Smart Battery Management Systems (BMS) in Electric Vehicles (EVs): A Cloud-Connected Framework for Ongoing Battery Health Monitoring and Optimization	R. Sundar, Murthoty Satheesh Babu, S. Saranya , Latha J, A. Muthukrishnan, S. Jayanthi
7	A454	HiDRA-Evac: Hierarchical Dynamic Cluster Reassignment With Profile-Aware Agents for Crowd Evacuation Using Multi-Agent Reinforcement Learning	Karthik Krishna M, Naga Srinivasan K, Hariharan A, Pranav V, Chitrakala S
8	A456	Advance Intelligent Agent Collaboration: Federated Data Science Frameworks for Secure Distributed Learning with Privacy Protection	M.P. Kumar, R.G.Kumar, R. G. Santhi, Sampathi Sai Vamsi, Chellu Mani Ratnam, K. Muhammad Ashiq
9	A458	Analyzing genomic and clinical data to predict individual pharmacological reactions: AI-driven predictive modeling for personalized medicine	W.V Sherlin Sherly, R.Manjupriya, Yogesh Kumar B, Abdelhalim Mohammad Jubran, Sorabh Lakhanpal, G. Karthikeyan
10	A460	Create AI Frameworks for Self-Learning: Intelligent Data-Driven Agents for Reliable Decision Support in Uncertain Situations	Kajendran K, Albert Mayan J
11	A461	Enhancing AI Models with Interpretability: Data Science Methods for Reliable Autonomous Agents	P.M.S.S. Chandu, E.Murali, G. Meghana, K. Sanjana, K. Muni Rathnam, K.V. Pavan
12	A462	Revolutionize AI with a Human Focus: Agent-Based Data Science Models for Moral and Conscientious Decision-Making	M.P.Kumar, G.Indiravathi, B.Prudvi, G.Teja, N.Sailllekya, K.Usharani

<b>CONFERENCE TRACK &amp; SESSION SCHEDULE</b>			
<b>DAY 2</b>	<b>DATE: 27-03-2026</b>	<b>TIMING: 03:00 – 04:15 PM</b>	<b>VENUE: R5</b>
<b>TRACK 1 2 3</b>		<b>SESSION 16</b>	<b>SESSION IN-CHARGE: Mr. MATHESH R</b>
<b>SESSION CHAIR: Dr. NITHIYA BASKARAN</b>		<b>Co-CHAIR: Dr.VEERAMANI R</b>	
<b>S No</b>	<b>Paper ID</b>	<b>Paper Title</b>	<b>Paper Presenters</b>
1	A463	Prediction of Irrigation Water Quality Parameters Using Machine Learning Models in Kanchipuram District, Tamil Nadu	Carolyn Arul.A, Anuradha.B, Gowri Rani T, Rohini N, Sowraba S. S
2	A464	Medicinal Leaf Identification Using MobileNetv2	S.Amudha, A.Maheshwari, K.Vijayalakshmi, Revathy S, M.Karpagam
3	A465	Personalized Learning in AI-Driven Smart Environments for Inclusive Education	S. Anusuya ,V. Divya Prasheetha
4	A466	AMMHAS: An Adaptive Multimodal Framework for Mental Health Assessment with LLM-Based Interpretability	M.Sumithra Bhargavi, BTPR Nikhil, M.Chandralekha, Rahul Raj M
5	A467	AI Based Guidance for Strategic Manufacturing Selection to Accelerate Nev Production: A Data Driven Decision Support Frame Work	Paul Sundar Singh, Priya R
6	A468	Enhance Cybersecurity Monitoring with the Use of ML Tools: Monitoring Enterprise Network Traffic for Anomalies and Real-Time Threat Classification	Abhilash Narayanan, Yousuf Hazaimeh, Kailasam Muthukumarasamy, Ganesan S, K Gagan Kumar, J. Lakhmi Prasanna
7	A469	Novel Cybersecurity and the Internet of Things (IoT) for Safeguarding Smart Grids: A Robust Architecture to Prevent Attacks on Specific Infrastructure	Muruganantham Angamuthu, Raed Alazaidah, Arumai Shiney, D. Kirubakaran, V Thrimurthulu, V. Manasa
8	A470	Improve Convolutional Neural Network (CNN) Brain-Computer Interfaces: Wearable Sensor and Deep Network Integration for Better EEG Signal Classification	J. Bala Samuvel, Hebatullah Awwad, Monisha M, K.Saranya, Ramesh Banoth, Manimegalai L
9	A471	Advance Artificial Intelligence (AI) in Agricultural Robotics: A Deep Learning (DL) System for Crop Tracking, Yield Prediction, and Weed Identification	Praveen Kumar. C, Yousuf Hazaimeh, Aleemullakhan Pathan, M. Srinivasa Rao, Srilakshmi Aluri, B.Sathiya
10	A472	Integrate Wearable Data into Digital Twins: Using Real-Time Biomedical Feedback for Diabetes Management and Hypoglycemic Event Prediction	Arvind Narsing, Raed Alazaidah, Indira P V, S.Ramkumar, M. Sindhu, Y. Kamala Raju

11	A473	Apply Augmented Reality (AR) to Image Processing: Making Visual Feedback Available in Real-Time for Industrial Quality Control on Production Lines	V. Thanammal Indu, Hayel Khafajeh, Padmesh Tirunelveli Narayanapillai , V. Banu Priya, Balpreet Singh, A. Prakash
12	A474	Innovative Machine Learning for Edge-Cloud Disaster Management: A New Approach to Analyzing Emergency Data in Real Time for Improved Crisis Response	Kailasam Muthukumarasamy, Mahmoud Odeh, Gaurav Pushkarma, Akila Venkatraman, Selvin Ebenezer, M Shyni

<b>CONFERENCE TRACK &amp; SESSION SCHEDULE</b>			
<b>DAY 3</b>	<b>DATE: 28-03-2026</b>	<b>TIMING: 11:15 TO 12:15 PM</b>	<b>VENUE: R1</b>
<b>TRACK 1 2 3</b>	<b>SESSION 17</b>	<b>SESSION IN-CHARGE: Mr MATHESH R</b>	
<b>SESSION CHAIR: DR. SOMASUNDARAM K</b>		<b>Co-CHAIR: Dr.A.NAGESWARAN</b>	
<b>S No</b>	<b>Paper ID</b>	<b>Paper Title</b>	<b>Paper Presenters</b>
1	A475	Optimize Diagnosis and Secure Medical Records: Apply Federated Learning Frameworks by Integrating Blockchain with AI-Driven Healthcare	P. Thirusenthil Kumaran, Safeyah Tawil, V. Samuthira Pandi, Sundaravadivel T A, Vikas Verma, Bh. Prashanthi
2	A476	Secure Systems for the Air Force with 5G Communication: Improving Network Resilience and Real-Time Data Exchange for High-Intensity Operations	Chandra Doddapalli Ramachandra, Ahmad Abdelhafiz Ali Samhan, Senthilkumar. C, Sundaravadivel T A, Sami Anand, Bharathi Panduri
3	A477	Explore Neuromorphic Systems with Memristive Synapses and Spiking Neural Networks for Low-Power Very Large-Scale Integration (VLSI)	A. Rajalingam, Hayel Khafajeh, Mahesh Chandrashekar, V.Samuthira Pandi, Manish Kumar, C. Lavanya
4	A478	A Dual-Dataset Deep Learning Approach for Seizure Detection from Wearable Sensor Data	Muthupandi G, E.Mariappan
5	A479	ARGUS: An AI-based Real-time Global Unified Deepfake Screening System	Subashini G, Swetha S, Sowmiya N, N.Kalpana
6	A480	Revolutionary Convolutional Neural Network (CNN) Acceleration Techniques for Mobile Devices: Neuromorphic Computing-Inspired, Hardware-Aware,	Naga Sekhar Madala, Hayel Khafajeh, Preeti Khurana, E. Sivajothi, Prabhu V, C. Vivek Kumar

		Energy-Efficient Architectures	
7	A481	Protective Internet of Things (IoT) with Machine Learning and Blockchain Integration: Identifying Fraud and Predicting Abnormalities in Distributed Sensor Networks	Naga Sekhar Madala, Ali Elrashidi, S. Saranya, A. Mathankumar, Gaurav Sethi, D. Siri
8	A482	Implement Augmented Reality (AR) Interfaces in Disaster-Resilient Edge-Cloud Computing: An Innovative Interactive System for Emergency Operations First Responders	B. Nancharaiah, Ali Hussein Ali Abu Zaid, B. Shraavan Kumar, Talluri Upender, Rajeev Sobti, G Karuna
9	A483	Integrate AI into Smart Home Appliances: Voice-Controlled Device Management and Context-Aware Automation with Deep Learning Models	T. Bhargava Ramu, Hayel Khafajeh, Lavish Kansal, G.V.V. Satyanarayana, Pavithra K N, B. Lalithambigai
10	A484	Improving Artificial Intelligence for Smart Guiding Stick Technology: A Real-Time Vision-Based Navigation Aid System	Senthilkumar Balasubramanian, Vishnubharathi. A, Vidyaa Sri M, Santhiya. K
11	A485	Enhancing Privacy In E-Healthcare Deep Learning Systems with Multi-Agent-Based Privacy Metrics	Subhasri M, Varshitha B, Shunmuganathan K L
12	A486	ORAL: Optimized Representation-based Acoustic Learning for Parkinson's Disease Classification using Machine Learning	S.Sivanesh, S.Mugilan, E.Sivapriya, M.Yuvarani, V.Subashini

<b>CONFERENCE TRACK &amp; SESSION SCHEDULE</b>				
<b>DAY 3</b>		<b>DATE: 28-03-2026</b>	<b>TIMING: 11:15 TO 12:15 PM</b>	<b>VENUE: R2</b>
<b>TRACK 1 2 3</b>		<b>SESSION 18</b>	<b>SESSION IN-CHARGE: Mr RAJA R</b>	
<b>SESSION CHAIR: Dr.SUNDARAMBAL B</b>		<b>Co-CHAIR: DR.THIYAGARAJAN D</b>		
<b>S No</b>	<b>Paper ID</b>	<b>Paper Title</b>	<b>Paper Presenters</b>	
1	A488	Federated and Incremental Multilingual Gynaecological Disease Diagnosis System with Explainable AI	B. Rama Subbareddy, Nossam Vivekananda Swamy, A. Nusrath Jaha, S. Moin Basha, B. Hari Krishna	
2	A489	HealthSense AI: Proactive Multimodal AI for ICU Patient Safety Monitoring and Post-Medication Guidance	Murugeswari P, Aswanth S, Ramanan R, Dhivya A	
3	A491	Prediction of Compressive Strength in Concrete Incorporating Coal Bottom Ash Using RSM and ML Techniques	Swathi Rekha R, Priyanka M, Hepsi Beaula M J, Madhuja B, Kaviya M	

4	A492	Maintaining Edge Computing Platforms Safe from Insider CyberThreats: Effective Logging and Systems for Finding Unusual Behavior Using AI	Chandra Doddapalli Ramachandra, Sumanth Aswath Narayana, R. Ravichandran
5	A493	Cybersecurity for Oracle E-Business Suite: Architecture for Adaptive Threat Mitigation Using Machine Learning for Intrusion Detection and Risk Prediction	Arvind Narsing, Nivethitha
6	A494	Exploit Detection in Internet of Things Networks: Cybersecurity Models for Real-Time Device Behavior Monitoring	Chandra Doddapalli Ramachandra, Mohammad Omar Sabri, Sami Anand, Geeta Padole, S. Nagendiran, M. Rajmal Joshi
7	A495	An AI-Driven Framework for Threat Detection and Traffic Flow Optimization in Smart City IoT Networks	Kailasam Muthukumarasamy, Nivethitha
8	A496	Design of a Secure Cloud Computing Model Using AI-Based Access Control and Blockchain Verification	Karthik Anand Paramasivam, Khaavya Shanthi Loganathan , R. Ashok
9	A497	An AI and Big Data Analytics Framework for Cyber Threat Detection in IIoT-Based Healthcare Systems	Ganapathi Subramanian Pechiappan, R. Ravichandran
10	A498	Enhancing Cloud Security Through Artificial Intelligence-Based Monitoring and Blockchain-Enabled Access Governance	Muruganantham Angamuthu, Umamaheswari Vadivel , P.Deepalakshmi,
11	A499	Artificial Intelligence Intrusion Detection Framework for Smart Home IoT Using Machine Learning	Naga Sekhar Madala , A. Muniyappan
12	A500	Protecting Healthcare Networks from Cyber Threats: How to Use AI and Blockchain to Enable Safe Patient Data Exchange	Shamshad Ahmed Khan, Faiz Ahmed Khan, R. Ravichandran

<b>CONFERENCE TRACK &amp; SESSION SCHEDULE</b>			
<b>DAY 3</b>	<b>DATE: 28-03-2026</b>	<b>TIMING: 11:15 TO 12:15 PM</b>	<b>VENUE: R3</b>
<b>TRACK 1 2 3</b>	<b>SESSION 19</b>	<b>SESSION IN-CHARGE: Mr RAJA R</b>	
<b>SESSION CHAIR: Dr.A.R REVATHI</b>		<b>Co-CHAIR: DR. NITHIYA BASKARAN</b>	
<b>S No</b>	<b>Paper ID</b>	<b>Paper Title</b>	<b>Paper Presenters</b>

1	A501	Enhancing Electoral Integrity Through AI-Powered Anomaly Detection and Blockchain Consensus	Suresh Kottur, Lokesh Ramanathan Suresh, P.Deepalakshmi
2	A502	Enhancing Zero Trust Network Security with AI-Powered Analytics and Blockchain Verification	Venkateswaran Petchiappan, Vinitha Vadivel, A. Muniyappan
3	A503	Real-Time Telegram Spam Detection with Fine-Tuned BERT and URL Safety Analysis	Madhavan K, Jai JaganathBabu, R Ramesh
4	A504	A Logical Evaluation of Healthcare Logistics Management and Supply Chain Performance through ICT assisted Learning Approach	S. Surendharan, Krithika. M
5	A505	A Multimodal Structural Intelligence Model for Formal Narrative Mapping Across Text and Film Domains	Bharathi V. J. , R. Rajakumari
6	A506	An Explainable AI-Based Structural Deviation Analysis Framework for Modeling Narrative Transmutation in Book-to-Film Adaptations	Bharathi. V. J. , Dr. R. Rajakumari
7	A507	An Objective-Oriented ICT Framework for Enhancing Visibility, Resilience, and Operational Efficiency in Healthcare Logistics and Supply Chains	S. Surendharan, Krithika. M
8	A508	Computational Social Cognitive Analysis of Behavioral Reinforcement and Observational Learning in Hans Christian Andersen's Fairy Narratives	P. Vijayalakshmi, Dr. R. Rajakumari
9	A509	Modeling Child Behavioral Influence in Hans Christian Andersen's Fairy Tales Using Artificial Intelligence and Social Cognitive Theory	P. Vijayalakshmi, Dr. R. Rajakumari
10	A510	A Comparative Study of Metaheuristic Optimization Techniques for Virtual Machine Management in Cloud Computing Environments	Poojitha G S, Puttegowda D
11	A511	Enhancement of Smart Antenna Systems Driven by Artificial Intelligence for Optimal Performance in Upcoming 5G and 6G Networks in Real Time	S.B.Prakalya, A Thenmozhi, B Yamini, V Samuthira Pandi, D Shobana, Nithya Dorairajan
12	A512	Applications of Machine Learning to Big Data Analytics in Predictive Healthcare: Improving the Effectiveness of Diagnosis and Treatment	Y.Mary Reeja, Arokia Suresh Kumar Joseph, V.Samuthira Pandi, B Yamini, A.GowriDurga, T.C.Manjunath

<b>CONFERENCE TRACK &amp; SESSION SCHEDULE</b>			
<b>DAY 3</b>	<b>DATE:</b> 28-03-2026	<b>TIMING:</b> 1:00 TO 2:00 PM	<b>VENUE:</b> R1
<b>TRACK 1 2 3</b>	<b>SESSION 20</b>	<b>SESSION IN-CHARGE:</b> Mr. RAJA R	
<b>SESSION CHAIR:</b> Dr.MARIYAPPAN		<b>Co-CHAIR:</b> Dr. KARTHIKEYAN P	
<b>S No</b>	<b>Paper ID</b>	<b>Paper Title</b>	<b>Paper Presenters</b>
1	A513	Uncertainty-Calibrated Trust Modeling for LLM-Generated Misinformation Detection	Pio Godwin M, Hemprasath Sankar, Kavitha R, Kamalesh M, Raghunath S, Irfanullah Baig N
2	A514	Privacy-Aware Prompt Masking Interface for Secure Large Language Model Interactions	Hemprashath Sankar, Pio Godwin M, Amogh Vijay, Smiley Hana Cladis F, Subashree Prakasam. Sri Harshavarth M
3	A515	An Optimized Hybrid Model for Real-Time Marathi Speech and Humor Recognition	Bhavani Ramesh, Kalaivani Kathirvelu
4	A516	A Clustered Federated Learning Framework with Quantized Updates for Privacy-Preserving Clinical Feature Generation	M Yogapriya, Faheem Mohammed Ashraff, Priyanka M
5	A517	AI-Powered Task Optimization and Scheduling over Cloud Computing Environment using Resource Allocation Strategy	G.Palanikumar, Rajarajeswari R, Hemalatha R, Nithya Dorairajan, J. Krishnaraj, Ragini Y P
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# 4<sup>th</sup> International Conference on Data Science, Agents, and Artificial Intelligence (ICDSAAI 2025) on 26th - 28th March 2026

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Sree Rishika A.  
Sreya N.  
Sridhar J.  
Srihari V  
Srikanth M  
Srilakshmi Aluri  
Srilatha B.  
Srinidhi S. R  
Srinikesh R  
Srinithi S  
Srinivasa Rao M.  
Srinivasan  
Gopalakrishnan  
Srinivasan P  
Sriram K  
Stella Mary V  
Subaashini M  
Subashini G  
Subashini V.  
Subashree Prakasam. Sri  
Harshavarth M  
Subasini C. A.  
Subhasri M  
Subhiksha S J  
Sudarvizhi T  
Sudharsanam S.  
Sudheep S  
Suganidhi B  
Suganthi R.  
Sugumar S  
Suguna K.  
Sujatha G.  
Sujatha S.  
Sumanth Aswath  
Narayana  
Sumathi R  
Sumathi S  
Sumithra Bhargavi M.  
Sumithra M  
Sundar R.  
Sundaravadivel T A  
Suneetha Manne  
Sunil Kumar M.  
Sunil S. Harakannanavar  
Sunitha T  
Surekha R.  
Surendar K  
Surendharan S.

Suresh Kottur  
Suresh Kumar K  
Suresh Kumar R.  
Suresh Subramanian  
Surya S.  
Susan Mano Derry V  
Swathi Rekha R  
Swathika R  
Swati Saxena  
Swetha S  
Swetha.S  
Syed Faraaz Ahamed S

## **T**

Talasila Balaji  
Talluri Upender  
Tamilselvan D  
TamilSelvi P.  
Teja G.  
Teja M.  
Tejeswar S  
Thanammal Indu V.  
Tharun K  
Tharun Kumar S.  
Thejashree V. M  
Thenmozhi A  
Thirumalai Murugan R  
Thirumalai Murugan R.  
Thirusenthil Kumaran P.  
Tholkapiyan M.  
Tholkapiyan.M  
Thrimurthulu V  
Tiruvalarnayatty S  
Titus M

## **U**

Udhayakumar J  
Udhayakumar M  
Udhayavasan V  
Umamaheswari A  
Umamaheswari Vadivel  
Usharani K.

## **V**

Vaddi Tejaswini  
Vadivelu A  
Vaishnavee M  
Vamsi Krishna Pentela  
Vanaja T.  
Vanathi Lakshmi .J .K  
Vani N

Vani Rajasekar  
Vanitha P.  
Vanitha R  
Varalakshmi Maddireddy  
Varatharajan K V  
Varshini S  
Varshitha B  
Vasantha kumar.R  
Vasanthi P  
Vasuki.P  
Veeramalai Sankaradass  
Vendhan U  
Venith A  
Venkata Suresh N  
Venkateswaran  
Petchiappan  
Venkateswaran  
Radhakrishnan  
Venu Pantangi  
Vidhya K  
Vidhya Lakshmi P.  
Vidhyashree S  
Vidyaa Sri M  
Vignesh BN  
Vigneswari J  
Vijay B.  
Vijay. J  
Vijaya B.  
Vijaya Vardan Reddy S P  
Vijayalakshmi K.  
Vijayalakshmi P.  
Vijayalakshmi V  
Vijayan P M  
Vijayaraghavan N.  
Vijayaraja V  
Vikas Maral  
Vikas Verma  
Vikram R  
Vinayagam V.M.  
Vineesha M.  
Vinitha Vadivel  
Vinod B  
Vinodhini M  
Vinodhini.M  
Vinoth John Prakash S.  
Vinoth N  
Vinoth S  
Vinoth T  
Vishali Muralidharan  
Vishnu B  
Vishnubharathi. A  
Vishnupriya A  
Vishwandham Mandala  
Viswapriyan Ragupathy  
Vivek Kumar C

## **W**

Wan Sharuzi Wan Harun

## **Y**

Yagna Baskar Sangeetha  
Hemashree  
Yajnesh R  
Yamini B  
Yamini B  
Yasaswini M  
Yaswitha K.  
Yoga Priya M  
Yogapriya M  
Yogapriya M  
Yogesh Kumar B  
Yousuf Hazaimh  
Yuvaraj Kumar V R  
Yuvarani M

## **Z**

Zakiuddin Mohammed

# ICDSAAI 2026

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**Organising Secretary (ICDSAAI 2026)**

**Chennai Institute of Technology**

Sarathy Nagar, Kundrathur,  
Chennai - 600069. Tamilnadu, India.

E-mail: [icdsaai.secretariat@citchennai.net](mailto:icdsaai.secretariat@citchennai.net)

Web: [www.citchennai.edu.in/icdsaai](http://www.citchennai.edu.in/icdsaai)

