



Department of AI&DS, CSE, CST, IT &MCA

Report for International Conference on Smart Intelligent Computing and Applications

ICSICA-2025

International Conference on Smart Intelligent Computing and Applications was organized by the Department of AI&DS, CSE, CST, IT &MCA at Dhanalakshmi Srinivasan Engineering College, Perambalur on **25.04.2025**.

The **International Conference on Smart Intelligent Computing and Applications (ICSICA 2025)**, held at DSEC on 25.04.2025, brought together leading experts, researchers, students and professionals from diverse fields to explore the rapidly evolving domain of intelligent computing and its wide-ranging applications. This prestigious event provided a collaborative platform to discuss the latest advancements in **Artificial Intelligence (AI), Deep Learning(DL), Machine learning (ML), Data Mining, Cloud computing, Green Computing, Block chain Technologies, Neural Network, Data science, Internet of Things (IoT)**, and other emerging technologies that are transforming industries and reshaping modern society.

ICSICA 2025 highlighted the significant role of smart computing in solving complex problems, enhancing operational efficiencies, and enabling innovative solutions in sectors such as healthcare, manufacturing, finance, and smart cities. The conference featured a series of keynote speeches, technical sessions, and panel discussions that explored both theoretical developments and real-world applications of intelligent computing systems.

In addition to presenting cutting-edge research, the conference also provided a forum for examining the challenges and opportunities associated with the integration of intelligent systems into everyday life. As the field continues to evolve, ICSICA 2025 aimed to foster interdisciplinary dialogue, promote knowledge exchange, and chart the future trajectory of intelligent computing technologies.

Objective of the conference:

The objective of the **International Conference on Smart Intelligent Computing and Applications (ICSICA 2025)** was to share the latest advancements in AI, machine learning, and IoT, and explore their real-world applications. It aimed to foster collaboration between academia, industry, and government. Additionally, the conference sought to address the challenges and future directions of intelligent computing technologies.

A total of about 268 technical papers were received from UG and PG students Research Scholars, covering a wide spectrum of areas **Artificial Intelligence (AI), Deep Learning(DL), Machine learning (ML), Data Mining, Cloud computing, Green Computing, Block chain Technologies, Neural Network ,Data science, Internet of Things (IoT)**, These papers were peer reviewed by the technical experts and about 248 papers have been selected for presentation.

International Conference was inaugurated in the presence of our Chairman **Shri.A.Srinivasan ayya** , Principal **Dr.D.Shanmugasundaram**, Dean Academics **Dr.K.Anbarasan** and the resource person was Prof **R.Gnanamoorthy**, Professor(HAG), Department of Mechanical Engineering, IIT Madras by in DSEC Auditorium commonly for all the departments and Proceedings of the conference was released in auditorium and the technical session was presented in their respective venues .

The resource persons for the technical session was **Dr.Sivaram Murugan** ,Faculty of Engineering and Natural Sciences, Sivas University of Science and Technology,Turkey-58000 for Online session and **Dr.G.Lakshmi Sudha**, Dean -Academics, NIT, Puducherry for Offline Session. .The Offline session was held in Computer lab (A-205) .

Dr.G.Lakshmi Sudha Dean -Academics, NIT, Puducherry **delivered about the importance of Deep Learning and** Deep learning has become an integral part of the smart intelligent computing landscape, with widespread applications that are reshaping industries and improving the way we interact with technology. The ICSICA 2025 conference underscored deep learning's transformative potential and highlighted the progress made in overcoming the challenges that remain. As research continues to advance, the field of deep learning will undoubtedly play a central role in driving innovation across various domains, making it a critical area of focus for future research and development in intelligent computing.

The technical session was chaired by Dr.G.Lakshmi Sudha Dean -Academics, NIT, Puducherry . Totally 58 technical papers have been presented and the certificate was distributed to all the participants. The **International Conference on Smart Intelligent Computing and Applications (ICSICA 2025)** provided valuable insights into the rapidly evolving field of intelligent computing. It highlighted the transformative potential of AI, machine learning, IoT, and other emerging technologies across various industries such as healthcare, finance, and manufacturing. Through engaging discussions and presentations, the conference underscored both the progress and challenges facing the integration of smart systems into everyday life.

As intelligent computing technologies continue to evolve, the conference emphasized the need for interdisciplinary collaboration to address ethical, technical, and societal challenges. The future of smart computing holds immense promise, with ongoing advancements paving the way for smarter, more efficient solutions to complex global problems. ICSICA 2025 successfully brought together experts from around the world, fostering innovation and setting the stage for continued progress in intelligent computing applications. Finally the event was ended with vote of thanks.

Glimpses of the event

Inaugural Session:



Technical session - Paper presentation

