

AREAS OF SCOPE

The conference welcomes original research contributions in the following emerging and globally relevant areas, but not limited to:

Banking and Finance

AI in Financial Risk Management
Algorithmic Trading & Portfolio Optimization
FinTech Analytics
Regulatory Compliance
Anti-Money Laundering

Agriculture and Food Industry

Precision Agriculture & Crop Prediction
Supply Chain Optimization in Agriculture
Smart Farming & Autonomous Agriculture
Food Safety & Quality Control

Healthcare and Bioinformatics

AI in Medical Diagnostics
Bioinformatics & Genomics
Healthcare Analytics
Telemedicine & Remote Monitoring

Defense and Security

AI for National Security
Autonomous Defense Systems
Cybersecurity Analytics
Data Intelligence for Defense Strategy

Energy and Sustainability

Green AI & Sustainable Computing
Energy Grid Optimization
Climate Informatics
AI for Water Management

Manufacturing and Industry 4.0

Predictive Maintenance
Smart Manufacturing & Robotics
Supply Chain Optimization
Industrial IoT & Data Analytics

Smart Cities and Infrastructure

IoT for Smart Cities
Urban Mobility & Transportation
Digital Twins for Urban Management

Retail and E-commerce

Customer Behavior Analytics
Supply Chain & Inventory Management
Retail Fraud Detection
Sentiment Analysis & Market Research

Marine and Oceanographic Data

Marine Robotics & Autonomous Systems
Oceanographic Data Analytics
Port Management & Logistics

Education and Learning Analytics

AI in Personalized Learning
Educational Data Mining
AI-driven EdTech

Transportation and Logistics

Autonomous Vehicles & AI
Predictive Maintenance for Vehicles
Logistics Optimization
Traffic Flow Analysis

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ABOUT US

The 3rd International Conference on Recent Trends in Data Science (ICRTDS@26) is a joint academic initiative organized through the collaboration of St. Xavier's College (Autonomous), Palayamkottai, Mother Theresa Arts and Science College, Theni, and The Scientific Temper, Academy of Innovative Research. This partnership brings together the strengths of three institutions committed to advancing research, innovation, and interdisciplinary learning.

St. Xavier's College (Autonomous), Palayamkottai

Established in 1923 by Jesuit Fathers, **St. Xavier's College** is recognized for its academic excellence, social commitment, and leadership formation. Accredited with an 'A++' grade by NAAC and awarded DBT Star College status, the college fosters a vibrant research culture across science, technology, and humanities. The Department of Data Science plays a pivotal role in preparing learners for emerging careers in AI and Data Analytics through a strong industry-linked curriculum.

Mother Theresa Arts and Science College, Theni

Mother Theresa Arts and Science College contributes its academic expertise in Computer Science and Applied Mathematics. The institution is known for nurturing research-oriented learning, encouraging innovation, and building analytical capabilities among students. Through this collaboration, the college strengthens its mission of promoting quality education and fostering research engagement among rural and regional scholars.

The Scientific Temper - Academy of Innovative Research

The Scientific Temper serves as an academic catalyst in promoting critical thinking, research dissemination, and scientific outreach. With a focus on interdisciplinary knowledge-sharing, scientific communication, and innovation-driven programs, the organization brings additional scholarly depth and global exposure to the conference.

Together, the three institutions aim to create a dynamic platform for researchers, academicians, industry practitioners, and students to exchange knowledge, share advancements, and contribute meaningful solutions to contemporary challenges in Data Science, Artificial Intelligence, and Applied Mathematics.

ABOUT ICRTDS@26

The 3rd International Conference on Recent Trends in Data Science (ICRTDS@26) is the fourth edition of the series conducted by the Department of Data Science in hybrid mode. The conference aims to bridge emerging technological advancements with the research community working in Data Science, Artificial Intelligence, and Applied Mathematics.

A major highlight is the opportunity for high-quality papers to be considered for publication in Scopus/Web of Science journals or ISBN proceedings, subject to publisher review.

The conference encourages novel ideas, fosters innovation, and brings together global academicians and industry professionals to share research insights, address contemporary challenges, and explore future directions in computation and intelligence.

CALL FOR PAPERS

Academicians and researchers are invited to send their original and unpublished articles in any area of Pure/ Applied Mathematics and Data Science/ Computational Sciences. When you submit the paper/ abstract, kindly mention the conference name and the dates of the conference. If the full length paper is not ready, submit the abstract and full length paper in Word & PDF formats can be submitted after the presentation.

Papers submitted to the conference will be thoroughly refereed as per the norms of journals and published in Scopus/ Web of Science indexed journals (Article Processing Charges (APC) - as per the Journal Requirements)/ proceedings. Kindly send your articles to: icrtids2024@gmail.com

AUTHOR GUIDELINES

- Papers must be original and not under review elsewhere.
- Manuscripts must follow IEEE format.
- Plagiarism must be below 10%, excluding references.
- Use of AI tools must be minimal, transparent, and acknowledged.
- Excessive AI-generated content is discouraged.
- APC (if applicable as per the publisher) must be paid directly to the publisher.
- The conference does not collect APC.

REGISTRATION

Registration fees can be paid through DD/ Mobile transfer. DD to be taken in favour of "Head, Department of Data Science, St. Xavier's College, Palayamkottai" payable at Tirunelveli. If the participants need accommodation, they have to inform it to us during the online registration. Registration fees will not cover the accommodation charges. Therefore nominal fees will be collected during the conference for the arrangement of accommodation.





REGISTRATION

Category	Nationality	First Paper	Subsequent Papers	Delegate Registration
Industry Professionals / Academicians	Indian	₹2000	₹1500	₹1000
	Overseas	USD 25	USD 20	USD 15
Research Scholars	Indian	₹1500	₹1000	₹800
	Overseas	USD 20	USD 15	USD 10
Students	Indian	₹1000	₹500	₹300
	Overseas	USD 15	USD 10	USD 8

FEE TRANSFER

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 Acc. Name : **DATA SCIENCE DEPARTMENT**
 IFSC : **SBIN0010482**

IMPORTANT DATES

-  Abstract Submission: **30 Nov 2025** Extended
-  Full Paper Submission: **15 Feb 2026**
-  Acceptance Notification: **28 Feb 2026**
-  Camera-Ready Submission: **01 March 2026**

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Hybrid

3rd INTERNATIONAL CONFERENCE ON



RECENT TRENDS IN DATA SCIENCE

[ICRTDS@26]

Organized by



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ELROI



Venue: St. Xavier's College

Date : 05th to 06th March 2026



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