



## IMPORTANT DATES

Abstract submission deadline	: 20/01/2025
Acceptance of Abstract	: 25/01/2025
Full length Paper submission deadline	: 10/02/2025
Acceptance of Full-length Paper	: 28/02/2025
Camera Ready paper submission deadline	: 25/03/2025
Registration starts from	: 15/03/2025

## REGISTRATION FEE & GUIDELINES

Indian Authors UG/ PG/ PhD Scholars	3,000 INR
Academician/ Industrialist	3,500 INR
Foreign Authors UG/ PG/ PhD Scholars	75 USD
Academician/ Industrialist	100 USD

- The proceedings of the conference will be published with Spinger Lecture Notes in Mechanical Engineering (Scopus indexed)

## PAYMENT MODE

The Payment for Registrations can be made through Online.

### Online Payment Details

Account Holder Name: SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

A/C Number : 510909010173736  
Bank Name : City Union Bank  
IFSC Code : CIUB0000475  
Branch : Irungalur, Trichy

## AUTHOR GUIDELINES

Papers are invited from UG/PG students, research scholars, Faculty of colleges and Industries.

The paper must be in single column format 10 to 12 pages limited to 400 words per page. The papers should be sent in Microsoft Document Format (.docx or .doc) to the conference email address: [conference.fet@ist.srmtrichy.edu.in](mailto:conference.fet@ist.srmtrichy.edu.in)

For accepted papers atleast one of the authors must register and should be available for presentation.

For more details, please visit to:

<https://srmtrichy.edu.in/internation-conference-iciddm-2k25/>



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TIRUCHIRAPPALLI



## INTERNATIONAL CONFERENCE on

INTERACTIVE DESIGN AND  
DIGITAL MANUFACTURING 2K25  
ICIDDM 2K25

April 11 - 12, 2025



### Organized by

School of Mechanical Engineering(SoME)  
FACULTY OF ENGINEERING AND TECHNOLOGY  
SRM Institute of Science and Technology

SRM Nagar, Near Samayapuram  
Tiruchirappalli - 621105, Tamil Nadu, India  
Phone: 0431 – 2258444  
Email: conference.fet@ist.srmtrichy.edu.in  
Website: <https://srmtrichy.edu.in>

## ABOUT INSTITUTION

**SRM Institute of Science and Technology** stands as one of India's premier universities, boasting a vast student body of over **5,000** and a faculty exceeding **250** across its multiple campuses. Located in **Tiruchirappalli**, Tamil Nadu. SRMIST offers a diverse array of undergraduate, postgraduate, and doctoral programs spanning across six faculties: Engineering & Technology, Management, Medicine & Health Sciences, Science & Humanities.

The faculty within the field of engineering and technology exemplify dedication and serve as invaluable assets. Renowned for its discipline and holistic approach to education, the engineering and technology department prioritizes the comprehensive development of students, guiding them towards becoming adept engineering professionals and research scientists. With a team comprising highly qualified faculty, dedicated technical staff, and motivated students, the department is steadfast in its mission to establish itself as a global hub of excellence in engineering and technology through rigorous academic pursuits and innovative research endeavors.

## ABOUT TIRUCHIRAPPALLI

Tiruchirappalli, often referred to as Trichy, is a vibrant district in Tamil Nadu known for its rich historical and cultural heritage. It is home to the iconic Rockfort Temple, an architectural marvel and a major tourist attraction. The district also boasts the grand Sri Ranganatha Swamy Temple in Srirangam, the largest functioning Hindu temple in the world. In terms of science and technology, Tiruchirappalli is a significant educational and research hub. Trichy's strategic location and infrastructure make it a focal point for industrial development, particularly in the energy sector, with Bharat Heavy Electricals Limited (BHEL) being a key player. The district's contributions to advancements in technology and manufacturing are noteworthy, making it a crucial area for scientific and industrial conferences and collaborations. Tiruchirappalli seamlessly blends tradition with modernity, offering a unique setting for international conferences that aim to explore the intersection of heritage, science, and technology.



## ABOUT CONFERENCE

The "International Conference on Interactive Design and Digital Manufacturing - **2K25**" is proposed to be conducted during **11th & 12th April, 2025**. It is planned to be organized by **SRM Institute of Science and Technology, Tiruchirappalli, Tamil Nadu**. It is a premier event that brings together leading researchers, engineers, and industry professionals to explore the latest innovations and trends in the fields of interactive design and digital manufacturing. This conference serves as a platform for discussing cutting-edge technologies, methodologies, and applications that are transforming the landscape of mechanical engineering.

The event will cover a broad spectrum of topics, including user-centered design, virtual and augmented reality in engineering, smart factories, additive manufacturing, and the integration of big data and AI in manufacturing processes. Participants will have the opportunity to engage with experts in material science, sustainability, and efficiency, as well as explore real-world applications and case studies across various industries such as automotive, aerospace, and healthcare.

The conference aims to foster collaboration and knowledge exchange, promoting the advancement of interactive design principles and digital manufacturing techniques. It seeks to address current challenges and explore future directions, emphasizing innovation, sustainability, and the impact of digital transformation on the manufacturing sector.

## OUTCOMES OF THE PROGRAM

The conferences aim to bridge the gap between human-centric design and digital manufacturing, promoting collaboration and innovation in the field and comes with the following outcome:

### Networking Opportunities:

Facilitating connections between industry professionals, researchers, and academics.

### Innovative Research Presentations:

Showcasing the latest advancements in interactive design and digital manufacturing technologies.

### Doctoral Research Program:

**Ph.D Scholars** from various disciplines will be benefited.



## CONFERENCE TOPICS [Not Limited to]

- Technical Fields but not limited to
- AM (3D printing) techniques and applications
- CAD and CAM
- Smart factories and Industry 4.0 applications
- Automation, robotics, and control systems in manufacturing
- User-centered design methodologies
- Virtual and augmented reality applications in design
- Human-computer interaction in engineering processes
- Collaborative and co-design strategies
- Development and application of advanced materials
- Sustainable materials and eco-friendly manufacturing
- Material characterization and testing methods
- Lightweight and high-performance materials
- Big data analytics and machine learning in manufacturing
- Digital twins and predictive maintenance
- Internet of Things (IoT) in manufacturing systems
- Cyber-physical systems and digital transformation
- Leveraging AR & VR technologies for training, simulation,
- Utilizing blockchain technology to enhance transparency
- Architectures combines cloud and edge computing
- Circular economy approaches in manufacturing
- Advanced sensors for real-time monitoring and QC.

## Submission of papers

Full manuscript needs to be sent as per the author guidelines along with their affiliation and address for communication to [conference.fet@ist.srmtrichy.edu.in](mailto:conference.fet@ist.srmtrichy.edu.in). The acceptance of the paper is based on stringent peer review process and the technicality of the paper presented. Registration to the conference is compulsory for presentation in conference and for publication in conference proceedings.

## Eligibility

- UG/PG Students, Research Scholars, Faculty Members from AICTE/UGC approved institutions.
- Researchers from R&D Labs in India and Abroad.
- Industry experts from various industries in India and Abroad.

