



International Conference on Recent Innovations in Science, Engineering and Technology (ICRISET-23)

05th May 2023 - Virtual Conference

Organized by:



Department of Mechanical Engineering,
Jansons Institute of Technology, Coimbatore, India



Institute For Engineering Research and
Publication (IFERP)

About Conference:

The recent advancements in the domains like Science, Technology, Engineering and Mathematics have led to exponential growth in different sectors like Advancements in manufacturing and optimization techniques, New product design and development, Renewable energy, Smart grid, Internet of Things, Big data, Embedded Technologies, Industrial Automation, Robotics, Structures & Construction, Remote Sensing & GIS Applications etc. The energy efficient green technologies are explored for improved deliverables in various sectors with cost effective solutions. This conference aims at knowledge sharing among academicians, researchers and experts from related industries on a common forum, for exploration on emerging technologies and innovations in Engineering and Science for better Engineering solutions. This conference will act as a platform for researchers to present their research findings and outcomes. Practicing engineers, Academicians of various Universities and Engineering institutions, scientists from R&D institutions, research scholars and post graduate students from all over the globe are invited to participate in this conference.

Objective Of The Conference:

The conference aims to convene the experts from various domains to enhance the knowledge about innovative technologies and present new research findings to promote global scientific and community collaborations in synergy with other Professional Associations. Environmental Responsibility, Economic Efficiency, Social Solidarity, Digital Transformations are the avenues as well as needs of modern business sectors. The achievement of the desired sustainable development with the help of digital transformation seems to be impractical without raising good critical thinkers and skillful agents of sustainable future. The conference aims to facilitate pursuing the sustainable development through the Digital Transformation, Innovations and modernized technologies of the related systems and structures that will consequently support people to be active contributors to more peaceful and sustainable societies and develop a sense of responsibility for our Planet.

Keynote Speaker



Shri Ashish Chugh, ITS

Assistant Director General
Department of Telecom
Government of India
Hyderabad, Telangana
India

Session Tracks:

Track 1 : Computer Science

- ❖ Big Data and e-science applications
- ❖ Cloud/Distributed Computing
- ❖ Fuzzy Systems and Neural Networks
- ❖ Image, Speech and Signal Processing
- ❖ Information and Cyber Security
- ❖ Databases and Data Mining
- ❖ Internet of Things
- ❖ Wireless Sensor Networks
- ❖ Optimization and Computation Intelligence
- ❖ Machine Learning/Deep Learning

Track 2 : Electrical, Electronics & communication

- ❖ Microprocessor and Microcontroller
- ❖ Very Large Scale Integration(VLSI)
- ❖ Wireless Networks /Communication
- ❖ Circuits and Semiconductor Technology
- ❖ Signal and Image Processing
- ❖ Artificial Intelligence and Machine Learning
- ❖ Embedded System
- ❖ Internet of Things
- ❖ Robotics and Automation
- ❖ RF and Microwave
- ❖ Modern power converters
- ❖ Hybrid electrical vehicles
- ❖ Industrial Drives
- ❖ Green Energy systems
- ❖ Smart Grid
- ❖ Special Machines



Track 3 : Building Science & Mechanical

- ❖ Structures & Construction
- ❖ Building Engineering
- ❖ Transport Engineering
- ❖ Remote Sensing & GIS Applications
- ❖ Soil Science & Engineering-arrow Environment Science & Engineering
- ❖ Water Science & Engineering
- ❖ Advancements in manufacturing and optimization techniques
- ❖ New product design and development
- ❖ Additive and Micro manufacturing
- ❖ Biomedical Engineering
- ❖ Material science
- ❖ Thermal and Fluid sciences
- ❖ Renewable energy techniques
- ❖ Tribology
- ❖ Robotics and Automation

Track 4 : Science & Mathematics

- ❖ Climate change and its impact on the future
- ❖ Role of biological agents in human health
- ❖ Hybrid nanomaterials and their applications in various fields.
- ❖ Green energy education and training
- ❖ Novel materials and structured products

Track 5 : Sustainable and clean technologies

- ❖ Mathematical Modelling and Simulation
- ❖ Fluid Dynamics
- ❖ Numerical Analysis
- ❖ Differential Equations
- ❖ Probability, Applied statistics and Stochastic process
- ❖ Discrete Mathematics
- ❖ Graph Theory
- ❖ Queueing Theory
- ❖ Operations Research
- ❖ Fuzzy Mathematics
- ❖ Algebra and Number Theory
- ❖ Applied Mathematics

Abstract Submission Process followed by the Authors:

Researchers are encouraged to submit an abstract that addresses scientific questions, details, engineering research observations or contains primary scientific data. Abstracts are peer-reviewed by the Conferences Editorial Committee and will be considered for oral or poster presentation. Accepted abstracts are published in the Conference Proceedings, an online supplement of the Journals. At least one author for every accepted paper is required to be registered for the conference for that paper to appear in the proceedings and be scheduled for presentation.

Abstract Submission Guidelines:

- ❖ Use a word document while submitting the abstract
- ❖ Use 12-point Times New Roman for the main text and smaller fonts may be used for figure captions.
- ❖ The Title, Author's Names, and Affiliations should all be centred.
- ❖ Insert one blank line between the Affiliations and the main text.
- ❖ The main text should be fully justified with single spacing.
- ❖ Use boldface with bigger fonts for the Title but not for Authors, Affiliations, and the main text.

Registration Guidelines:

- ❖ Registered members are asked to provide intimation about their payments immediately.
- ❖ After completion of registration, every participant is required to send a scanned copy of the registration fee receipt or transaction proof to us immediately via Email.
- ❖ Any modification in the paper will not be accepted after the final submission date.
- ❖ 1 Author / co-author will be allowed per Registration Write / Call coordinator as soon as possible, in case of registration beyond deadlines.
- ❖ After Payment Download, the Registration Form fill it and send it to info@icstem.in

Note: ICRISSET 23 proceedings series will be submitted to the Web of Science Book Citation Index (BkCI) and to SCOPUS for evaluation and indexing



Registration Fee Details:

Registration Categories	Indian Authors(INR)		Abroad Authors (USD)
	IFERP Premium Members	Non IFERP	
Students/Academicians	INR 1500	INR 2000	\$ 99
Others	INR 2000	INR 2500	
Listener	INR 1000	INR 1500	\$ 60

***Additional Charges will be applicable for publication in Scopus/ Web of Science indexed journals**

Bank Details:

BANK NAME: Kotak Mahindra Bank

Account number: 3311747350

IFSC CODE: KKBK0000466

MICR-No: 600485006

Swift Code: KKBKINBB

Branch: Kodambakkam, Chennai

Country: INDIA

Important dates:

~~Early Bird Registration Deadline:~~

~~12th April 2023~~

Abstract Submission:

21st April 2023

Full Paper Submission:

21st April 2023

Registration Deadline:

25th April 2023





About Jansons Institute of Technology:

Jansons Institute of Technology is promoted by the Jansons Business Group, a Textile major with significant presence in Granites and Health Care. The Board of Jansons Business Group is chaired by Rtn. MPHF Shri T.S. Natarajan. The Chairman is ably assisted by Vice Chairmen Shri T.N. Kalaimani and Shri T.N. Thirukumar. Jansons Institute of Technology is established in the year 2009. Jansons Institute of Technology is the second educational venture by Jansons Business Group. Jansons Institute of Technology is approved by All India Council for Technical Education (AICTE), New Delhi, accredited by NAAC and affiliated to Anna University, Chennai. With profound insight into the resource requirements of the higher education system, JIT has proudly set up a world class infrastructure complemented with intellectual capital in the form of high competent and experienced team of faculty. Many of the facilities are way beyond the regulatory requirements aiming for learning beyond the syllabus to address the requirements of the industry. These material facilities along with value addition programs and student support systems are the integral facets of empowerment at JIT.

Jansons Institute of Technology offers Bachelor's Degree Programmes in the branches of Artificial Intelligence & Data Science, Civil Engineering, Computer Science and Engineering, Electronics and Communication Engineering and Mechanical Engineering in its most modern state-of-the-art campus on the Coimbatore-Chennai National Highway.

Nine Batches of students were passed out with good Academic, Co-Curricular and Extracurricular achievements till the academic year 2020-2021. Teaching and Learning process at JIT is taken care by a set of learned, committed and well experienced faculty members. There are 25 faculty members with Ph.D. qualification and 18 faculty members are pursuing their doctoral degree in the Institution.

Jansons Institute of Technology certified for maintaining the Quality Management System with ISO 9001:2015 Certification by TUV SUD, Germany. The Institution has commenced the process for NBA Accreditation. Effective implementation of quality control processes ensures Engineering graduates with the expected level of knowledge, skill, and attitude. JIT also offers an extensive range of resources, opportunities and services to the outcome based teaching learning process. JIT received funds for conducting Conferences /Seminars and Technical workshops from DST, IEEE MGA India Strategic Initiative-USA, IEEE Madras Section, IEEE MAS Young Professionals Affinity Group, Indian Council for Medical Research (ICMR), Indian National Science Academy (INSA) and National Board for Higher Mathematics (NBHM), Department of Atomic Energy. JIT conducted IEEE Coimbatore Hub Congress totally funded by IEEE MGA India Strategic Initiatives and IEEE Madras Section in the month of July 2016. Apart from these, various proposals were sent to various national funding agencies across the country for Research project, organizing seminar, workshop, conference etc.

JIT is having a very active Centre for Corporate Relationship. The training offered to the students are very unique which involves training for Technical Aptitude, Programming, Attitudinal tuning-up, General aptitude, Group Discussions, Technical Interview, Personality development, Personal Interview, Psychometry tests etc.

Major Achievements Of College

JIT is ranked 31st among all affiliated Anna University Institutions based on performance in University Examinations. JIT has received accolades for its green initiatives such as "One Student One Tree" recognition from AICTE, "Not Zero-Net Zero" from AICTE and SCCN and received "Green Campus Award" from Tamilnadu Science Forum.

JIT was recognised as "Distinguished Institution" by Vidhyarthi Vigyan Manthan for its extension and outreach activities elevating science education as a national priority. Also received appreciation from AICTE and Energy Swaraj Foundation for active participation in Energy Literacy Drive.

JIT has 18 student clubs and 5 professional societies. JIT's IEEE-Student chapter received appreciation from IEEE Madras Section for its contribution towards advancement in Engineering Profession.

The Institution's Innovation council (IIC) of JIT is rated with four star by Ministry of Education (MoE), the highest rating for 2021-2022 academic year. JIT represents private/self-financed college in the State Level Consortium of MoE's IIC's.

Centre for Innovation Incubation and Entrepreneurship (CIIE) commenced operations in 2022 with active guidance from the Jansons Foundation and JIT in order to establish a regional entrepreneurial ecosystem.

The Artificial Intelligence and Data Science Department and Sparkout Tech Solutions (Pvt.) Ltd. have established a Centre of Academic Excellence in Blockchain Technology to promote and support research, education, and innovation in the field of Blockchain technology.

Tinkering Lab for Internet of Things (IoT) is established at JIT funded by AICTE- MODROBS project "Modernisation of digital signal processing laboratory and experimenting with the application of signal processing algorithms in the internet of things (IoT) devices". The objective is to teach signal processing and IoT courses with real-time exposure using advanced measuring instruments.

JIT has "Industry-Academia" collaboration with leading Industries and has active 18 MoUs and few are as follows.

- ❖ Huawei Services (Hong Kong) Co. Limited
- ❖ Bosch Limited
- ❖ Siemens, CoE-NIT
- ❖ Sparkout tech. Solutions Pvt. Ltd.
- ❖ Draup Business Solutions Pvt. Ltd.
- ❖ Zinnov Management
- ❖ Factana Computing Pvt. Ltd
- ❖ COINDIA
- ❖ ICTACT
- ❖ INFOSYS
- ❖ TCS





Get In Touch

Abstracts, Registrations and Payments Inquiries



Conference Coordinator (IFERP)



Call/ Whatsapp : +91 8122268465



Mail Id : info@icstem.in

For Publication/Post Conference Queries



Call/ Whatsapp : +91 8122268465



Mail Id : helpdesk@technoarete.org