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Website: <https://sites.google.com/view/icites2023/home>

Registration link: <https://forms.gle/VKSjiwDLgMzsZYnQA>

Selected papers will be published in scopus indexed journal.

Scan Here for Registration



KERALA STATE COUNCIL FOR SCIENCE, TECHNOLOGY AND ENVIRONMENT (KSCSTE)

Sponsored



3rd INTERNATIONAL CONFERENCE

On

INNOVATIVE TRENDS IN ENGINEERING FOR SUSTAINABILITY (ICITES-2023)

Theme: SUSTAINABLE BUILT ENVIRONMENT (Hybrid mode)

11th - 13th April 2023



Jointly organized by



DEPARTMENT OF CIVIL ENGINEERING

&

HABILETE
Learning Solutions

In association with



UNIVERSIDAD CATORICA DE TEMUCO

Toc H INSTITUTE OF SCIENCE & TECHNOLOGY

Arakkunnam, Ernakulam, Kerala ☎ 0484 2748388 ✉ mail@tistcochin.edu.in tistcochin.edu.in



ABOUT TIST

Toc H Institute of Science and Technology (TIST), established in 2002, embellished with dynamic management, diligent and dedicated faculty and promising cream of the student community, is today a name to reckon with among the comity of Engineering Colleges in Kerala, making giant strides in all engineering branches and management studies. The college offers nine graduate and seven post graduate programmes. Toc H, a pioneer in education, offers blended learning programs combining on-line learning through virtual classrooms, world-class learning materials, ensuring holistic development, thereby serving as an active growth-driver and home to a diverse community of innovators and entrepreneurs. Toc H is affiliated to APJ Abdul Kalam Technological University, Kerala, India and approved by the All India Council for Technical Education (AICTE), New Delhi and Government of Kerala. TIST is accredited by NAAC (National Assessment and Accreditation Council) with NBA (National Board of Accreditation) accredited UG programs (CE, CSE, ECE & ME) and ISO 9001:2015 Certification which ensure top-quality learning environment.

ABOUT DEPARTMENT OF CIVIL ENGINEERING

The Department of Civil Engineering, TIST (Estd. 2006) offers Under Graduate programme B.Tech in Civil Engineering (NBA accredited upto 2023) and Post Graduate programme M.Tech in Construction Engineering and Management. The department continues to conquer new frontiers of knowledge through quality research work, Conferences, QIP and FDP programs for enhancing the Teaching Learning process and moulds the students to be change agents with high professionalism, ethics and sustainability in addition to the curriculum objectives. The department is in close association with Institution of Engineers (IE), Indian Society for Technical Education (ISTE) and has an active student chapter of Indian Concrete Institute (ICI), Indian Green Building Council (IGBC) and American Society of Civil Engineers (ASCE). The design wing "Rachana" of the department takes up research and consultancy work to offer technical advisory support to various leading organizations like KMRL, Naval base, STICON, PWD etc. The department have active MoUs with foreign universities and national organisations. The department also undertakes the socially relevant projects like Rebuild Kerala Initiative through which students learn humanitarian concept and their duties towards the society. The department focuses on center of excellence in the field of cost-effective green building materials.

VISION OF THE DEPARTMENT

To transform into a centre creating change agents in civil engineering with professional competency, integrity and ethical values for serving the society with the highest level of proficiency through their chosen domain.

MISSION OF THE DEPARTMENT

- Provide ambience to create civil engineers of global standards to serve the society collaboratively, competently and ethically.
- To provide an academic environment for lifelong learning nurturing the skills in research and development for the benefit of all stakeholders.
- To include professionalism in students through team work, effective communication and leadership skills.
- To encourage and empower the faculty in the field of engineering education and mentoring for enhancing the teaching - learning process.
- To impart hands on experience to aspiring undergraduates through interdisciplinary research projects, industrial training and consultancy work.

ABOUT ICITES 2023

International Conference on Innovative Trends in Engineering for Sustainability(ICITES-2023) under the theme Sustainable Built Environment aims to bring together leading academic scientists, researchers and research scholars to exchange and share their experiences and research results on all aspects of sustainable built environment. It also highlights recent advances in the area of sustainable built environments from both academia and industry. The conference presents guidelines for the design and construction of sustainable built systems that are not well-established or documented in Civil Engineering. It will be a premier interdisciplinary platform for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of Sustainable Built Environment.

ABOUT HABLETE

Habilete learning solutions India private Ltd is established by professionals each having over 20 years of national and international experience in different industries ranging from education, engineering, communication and information technology with a key vision of educating professionals to be leaders in a modern community by acting as a creative agent for change and diversity. They specialized in skill development trainings that are a prerequisite for the current innovative job market and an authorized training centre (Skilling Partner) for skills.

THEMES & SUB THEMES

I. Sustainable Building Technologies and Materials

- Sustainable Geomaterials For Green & Innovative Earthwork
- Geosynthetic for Sustainable Resilient Infrastructure
- Sustainable Material in Geotechnical Design
- Computer Application in Sustainable Build Environment
- Green Materials and Technologies
- CO₂ and Bio Balanced Buildings
- Life Cycle Assessment and Design of Building
- Innovative Energy Solutions
- Sustainable Design and Construction
- Vernacular Building Materials
- Recyclable/Reusable Building Materials
- Durability of Building Materials
- Experimental and Mathematical Analysis Related to Material Properties
- Rehabilitation of Structures
- Materials for Architectural Conservation
- Non-Destructive Testing of Structures

II. Building Performance and Clean Energy

- Indoor Environment Quality, Occupant Health, Comfort, Productivity and Management
- Affordable Housing and Clean Energy
- Energy Consumption and Efficiency in Building
- Building Performance Simulation/Assessment
- Integration of Renewable Energy Technologies into The Built Environment
- Thermal Comfort/ Visual Comfort/ Aural Comfort/ Outdoor Comfort
- Building Acoustics

- Natural Ventilation and Lighting
- Simulations and Tools for Energy Efficient Buildings
- Energy Efficient Traditional Buildings/ Conservation and Rehabilitation of Traditional Sites /Buildings
- Heating, Ventilation, Air Conditioning, And Refrigeration (HVAC&R) and Related Technologies
- Integrated Built Environmental System Design Approaches and Tools

III. Industry Innovation and Infrastructure

- Smart Energy Solutions
- Mobility and Infrastructure
- Restoration of Heritage/Old Building
- Building Information Modeling
- Socio-Economic Challenges for Delivery of Sustainable Solutions
- Barriers and Drivers for Sustainable Development Within Built Environment.
- Economic Sustainability
- Design Methods and Strategies for Environmental Protection
- Pollution Prevention, Decarbonization and Resilience
- Renewable Technologies for Infrastructure
- Information Flows in The Constructed Environment
- Spaces and Sites of Construction: Urban, Greenfield, Rural and Remote

IV. Sustainable Cities and Communities

- Inclusive and Healthy Neighborhoods and Buildings
- Design for Human Health and Well-Being
- Age-Friendly Built Environments: Buildings, Transportation and Outdoor Spaces
- Energy Conservation, Urban Greening and Eco City

V. Urban Regeneration and Sustainability

- Urban Landscape Planning and Design
- Urban Design and Transportation
- Socio Cultural Sustainability
- Landscape and Open Public Space Design for Sustainability
- Urban and Building Performance Simulation, Informatics, Digitalization, Artificial Intelligence
- Sustainability in Decision Making
- Urban Climate and Urban Heat Island
- Multi-Objective Assessment and Optimization for Sustainable Development

IMPORTANT DATES

Last Date for Submitting Paper	-February 28, 2023
Acceptance of Full Length Paper/Poster	-March 15, 2023
Camera Ready Paper	-March 31, 2023

REGISTRATION FEE

Category		Registration Fee
National	B Tech Student	Rs. 2000
	M Tech Student	Rs. 3000
	PhD/Industry	Rs. 4000
	Participation	Rs. 1000
International		USD 150

ACCOUNT DETAILS

TOC H INSTITUTE OF SCIENCE AND TECHNOLOGY,
A/C No. 31127347008; IFSC code- SBIN0011918
STATE BANK OF INDIA, Kanjiramattom Branch