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Director, Indian Institute of Technology Patna, India

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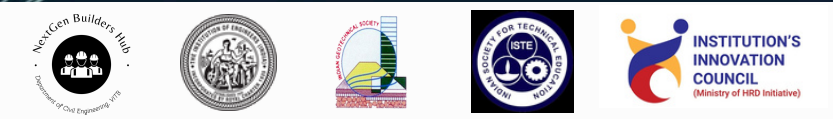
Department of Clvil Engineering

VISHNU INSTITUTE OF TECHNOLOGY

Bhimavaram, Andhra Pradesh, India

In association with

**NextGen Builders Hub, IE, IGS, ISTE
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ABOUT CONFERENCE

Civil Engineering department at Vishnu Institute of Technology-Bhimavaram is organizing International Conference on Materials Innovation and Sustainable Infrastructure (ICMISI 2023) on 2nd & 3rd, February 2024. Sustainable infrastructure is crucial for mitigating environmental challenges, such as climate change, resource depletion, and pollution. The conference explores how materials innovation and emerging technologies can contribute to mitigating these challenges by reducing greenhouse gas emissions, minimizing waste generation, optimizing resource use, and enhancing the resilience of infrastructure. The conference aims to bring academicians, technocrats, engineers, researchers, and students to a common platform to share their experience and research results in the field of materials innovation and sustainable infrastructure. As a result of globalization, there is an opportunity for all-round development by promoting the exchange of knowledge and technological advancements. We hope that our Conference will offer a unique opportunity for interesting and fruitful interactions to all participants, providing them with memorable and pleasant experiences.

ABOUT COLLEGE

Vishnu Institute of Technology was established in 2008 by Vishnu Educational Society (SVES), a leading educational trust to promote quality education, under the aegis of eminent philanthropist Padma Bhushan B.V. Raju (Late). The institute is approved by AICTE and is permanently affiliated to JNTUK, Kakinada. Over a decade, this institute has witnessed significant growth and stands out as one of the best engineering colleges in AP. This institute is accredited by NAAC twice with 'A++' grade (3.51/4) with its validity up to 2024. The institute has attained autonomous status for 10 years from the year 2019. Indian Merchant's Chamber (IMC) recognized the services of VITB with its Ramakrishna Bajaj National Quality award in education sector (2010, 2011, 2017) and Asia Pacific Quality Organization (APQO)-Best in class Award (2012, 2018).

ABOUT DEPARTMENT OF CIVIL ENGINEERING

The department has qualified and trained faculty with deep sense of commitment towards the student. The aim of the department is to Foster intellectual growth of the students. The department is dedicated to providing a dynamic learning environment that emphasizes open-ended design & practical applications, problem solving skills, team work, communication and leadership skills

CALL FOR PAPERS

The conference technical program will consist of plenary addresses, keynote addresses by eminent scientists/academicians and technical paper presentations. Papers are invited from Academicians, Researchers, Engineers, Scientists, Research Scholars and Students as well as Industrial Professionals from all over the globe. The authors are requested to submit full paper as per prescribed format on or before the deadline. The full paper should include cover letter and full details (affiliation, address, telephone, fax, email id and other contact information) of the corresponding author. Full papers submitted by authors will be peer double blind reviewed by the Technical Committee members and based on reviewer's comments/suggestions, then selected for oral presentation during the conference.

PUBLICATION

The selected papers for the conference will be published in Scopus Indexed journal or conference proceedings.

THEMES OF THE CONFERENCE

This particular conference mounts up the relevant areas of research in the subjected title and promotes, entertains the reliable sharing of individual and team innovations via <https://www.morressier.com/call-for-abstracts/ICMISI-2025> Welcoming inventions in different areas and certainly not limited to the following

SMART CITIES AND URBAN DEVELOPMENT

- Internet of Things (IoT) in Infrastructure
- Application of artificial intelligence (AI)
- Smart sensing technologies
- Sustainable energy in urban areas
- Affordable housing & smart buildings
- Resilient infrastructure and climate adaptation
- Digital transformation in urban governance

STRUCTURAL MANAGEMENT

- Green concrete
- Sustainable materials and construction
- Utilisation of waste in concrete
- Composite and sandwiched structures
- Offshore structures
- Earthquake engineering and structural dynamics
- Forensic Engineering and Structural Health Monitoring
- Structural Reliability

CONSTRUCTION MANAGEMENT

- Cost Effective construction technologies
- Innovative construction methods
- Construction planning and control
- Construction Safety
- Time and cost optimization in project management
- Risk and safety management
- Sustainable design and construction

TRANSPORTATION SYSTEM

- Innovations in Recycled and reused materials for pavements
- Environmental issues in transportation
- Traffic safety and security
- Traffic flow theory, operation and facilities
- Intelligent transportation system
- Strategies to improve pedestrian and cyclist safety.
- Policy
- Optimization

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- Water Resources Planning and Management
- Rainwater Harvesting Systems
- Sustainable Water Supply
- Geospatial Techniques (Remote Sensing and GIS)
- Groundwater Potential and Recharge
- Energy Harvesting Technologies
- Irrigation and drainage management

GEOTECHNICAL ENGINEERING

- Characterization of geomaterials and physical modeling
- Foundations, slope stability, and landslides
- Earthquake geotechnical engineering
- Ground improvement
- Geo-environmental engineering

ENVIRONMENTAL MANAGEMENT AND CLIMATE ISSUES

- Air Quality Monitoring and Management
- Aerosol and Air Quality Studies
- Water and Wastewater Treatment
- Solid and Hazardous Waste Management
- Low Carbon and Climate Issues

ADVANCED MANUFACTURING AND PROCESSING

- Solid-state Processing and Corrosion Resistance
- Metallurgy and Welding
- Properties of Materials
- Microelectronics Packaging and Thermal Processing
- FEM Modelling of Materials
- Grain Boundary Engineering and Phase Transformation
- Nano-materials and Nano-technologies
- 3D-Printing

IMPORTANT DATES

Submission of Abstract	:	15 Dec 2025
Acceptance of Abstract	:	30 Dec 2025
Submission of full length paper	:	02 Jan 2026
Acceptance of full length paper	:	25 Jan 2026
End of registration	:	16 Feb 2026

REGISTRATION DETAILS

Delegate participation, Category	Early bird discounted upto 15 Jan 2024	Till 30 Jan 2024
Academicians	₹ 5500	₹ 6500
R&D /Industry/Corporate Executives	₹ 6000	₹ 7000
Foreign Delegates	\$ 400	\$ 450
Attendee	₹ 1500	₹ 2500

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