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MATHURA
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Futuristic and Sustainable Aspects
in Engineering and Technology

FSAET 2023

In
Hybrid Mode

4th International Conference

on Futuristic and Sustainable
Aspects in Engineering and
Technology (FSAET-2023)

In collaboration
with
NCCBM, Faridabad



NCCBM

28-30 November 2023



4th
FSAET
2023

Sponsoring Organization



Department of Civil Engineering is organizing

4th International Conference on

Futuristic and Sustainable Aspects in Engineering and Technology

28th - 30th November, 2023

09:30 AM onwards

IEDC Conference Hall



Chief Guest

Dr. Anil Kashyap,
Chancellor and President,
NICMAR University
Director General NICMAR
Group of Institutions



Guest of Honor

Dr. Pascal Piveteau,
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Assistant Professor,
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Sponsoring Agencies & Publication Partners



Conference website link

<https://www.fsaet.com/submission>



Powered by



Publishing Partner :-

Abstract Proceeding: The abstract of all the submitted and registered papers will be published in the Abstract Proceeding with Book Name : Proceeding of 4th International Conference on Futuristic and Sustainable Aspects in Engineering and Technology (FSAET-2023) and ISBN Number : 978-93-5996-078-4

Full Paper Publication:

Based on the scope of the journal, Selected papers will be sent to the following journal after double-blind peer review.

- (a) Journal of Water and Climate Change - IWA Publishing - APC - Nil
- (b) Journal of Engineering Research-(Elsevier) - APC - 880 USD
- (c) Book Proceeding -CRC Press Publishing Company Taylor & Francis - APC - Nil
- (d) AIP Conference Proceedings



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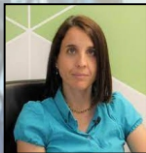
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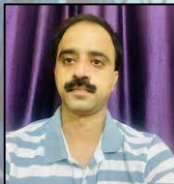
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Aim of this conference is to focus on engineering and technologies which can provide solutions to problems humanity is facing and also keep the engine of growth marching forward for a better tomorrow.

This conference will provide researchers, academicians, engineers from all over the world an open platform to discuss their innovative approaches and propose an alternative solution in terms of engineering and technologies which are not only eco-sustainable



SCOPE OF CONFERENCE

Civil engineering deals with the design, planning and construction of built environments like roads, bridges, canals, dams, buildings. Smart cities and urban planning, green buildings and water management will excite global civil engineering industrial growth. Progress in Architecture and Civil Engineering are booming in this century due to rapid industrialization and urbanization seen in established and emerging nations.



FSAET-2023 aims to provide a platform for academicians, researchers, professionals, and students engaged in the field of Structural, Geotechnical, Environmental, Construction and Materials to share the ideas pertaining to collaborative environment to expedite further advances in a broad range of Civil engineering. This conference will give an understanding regarding technological advancements in various Civil Engineering Sectors to the latest construction materials & testing and technologies for sustainable infrastructural growth. Dynamicity in research provides traction for innovation.

Progress in engineering and technologies often manifests itself in the form of synergistic integration of interdisciplinary approaches in research. This conference certainly provides us with further reasons to enhance research activities for optimum gain in socio-economic, sustainable and environmentally friendly development.

CALL FOR PAPERS

Original research papers from faculty, research scholars and scientists from academics, R&D organizations on the mentioned themes and related topics are invited. Papers will be selected after rigorous reviews for presentation and publication. Submit your abstract:

@ Link: <https://cmt3.research.microsoft.com/FSAET2023>

Important Dates:

01 June 2023	Full length paper submission starts
01 July 2023	Registration starts
20 November 2023	End of full-length paper submission
22 November 2023	Registration ends
28-30 November 2023	Conference Dates

IMPORTANT VISIT

A Technical visit will be held at NCCBM, Ballabhgarh, Faridabad on 30th November, 2023.

REGISTRATION

Minimum one registration is mandatory for each paper to be the part of proceedings. Registration can be done by mailing the complete registration form along with the fee after receiving the acceptance of the paper.

Category	Fees
UG Students	9000 INR
PG Students/Research Scholar/Faculty	10000 INR
Industry Delegates	12000 INR
Foreign Author/ Delegates	200 USD

Note: Articles Charges depends on Journal to journal. For more details, please visit website www.fsaet.com

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THEME OF THE CONFERENCE

Track 1: Building Materials & Construction

- Sustainable Building Design & Construction
- Structural Health Monitoring
- Smart/Intelligent Materials
- Smart Cities and Urban Planning
- Material Quality and Control
- Retrofitting of Structures
- Resilient and Durable Construction Technologies
- Case Studies in Construction Material and Construction Practice
- Composite Materials, Bio-Concrete and Bio-Material

Track 2: Structure/Structural Dynamics/Earthquake Engineering

- Seismic Hazard Assessment
- Earthquake-resistant Design and Retrofitting
- Structural Health Monitoring
- Performance-based Earthquake Engineering
- Seismic Risk Assessment and Mitigation
- Earthquake Engineering for Lifeline Systems
- Advanced Computational Methods in Seismic Analysis





Track 3: Water Resources/ Hydraulics/ Environmental Engineering

- Sustainable Approach to Environmental
- Pollution Control
- Waste Management
- Flood Zone Mapping and Modelling
- Landfill Design and Management
- Impact of Climate Change
- Environmental Impact and Life cycle
- Assessment
- Port and Waterway Engineering
- Water Conservation Applications
- River Training and Sediment Transport



Track 4: Transportation Engineering/ Surveying/GIS & Remote Sensing

- Hydrological Modelling using Remote Sensing & GIS
- Ocean Topography
- Application of Remote Sensing in Climate Change Studies
- Topological Modelling and Analysis
- Transportation and public health
- Rapid Mass Transit System (RMTS)
- Traffic Operations and Safety
- Automated Transit System
- Fire Safety and Management
- Sustainable Transportation System
- Surveying & Geomatics
- Airport Design, Operation, and Management
- Port, Harbour, and Marine Transport System



Track 5: Geotechnical Engineering / Foundation Engineering/ Soil Dynamics

- Geotechnical, Geological and Geophysical Investigation and Foundation Engineering
- Ground Improvement Techniques and Geo-Environmental Engineering
- Soil Dynamics and Earthquake Engineering
- Landslides and Slope Stability
- Reliability in Geotechnical Engineering
- Geotechnical issues in Transportation Engineering
- Geosynthetics and Reinforced Soil Structures
- Rock Engineering, Tunnelling and Underground Constructions

Track 6: Application of Artificial Intelligence and Machine learning in Civil Engineering

- Predictive Modelling and Risk Analysis
- Intelligent Infrastructure Monitoring
- Smart Construction and Robotics
- Sustainable Design Optimization
- Traffic Management and Transportation Planning
- Geotechnical Engineering and Site Analysis
- Natural Disaster Prediction and Resilience
- Data-driven Decision Support Systems
- Intelligent Building Systems
- Virtual Reality and Augmented Reality Applications

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GLA University is one of the Premier Universities in India. The University was established in 1998 by founder chancellor Shri Narayan Das Agarwal. The vision of the University is to provide quality education and strive for frontier research in areas which further ease the life of the common man. Recently the University was accredited with 'A+' grade by NAAC. It spread across 110 acres of lush green campus and home for 12000 students and 1000 staff. University has well-designed and maintained academic blocks, state of art laboratories, central library, spacious residential complexes, hostels and recreational facilities.

The Department of Civil Engineering is working in tandem with the mission and vision of GLA University. Department is equipped with state of art laboratories, well established departmental library. Students can realize their ideas into tangible manifestations in terms of new technologies and engineering innovations.

Department of Civil Engineering has three Research Centres as Advanced Construction Engineering Research Centre, Bentley Centre for Excellence & BIM Advancement Centre and Sustainable Environmental & Agriculture Research Centre.

Department is consistently delivering and striving for high quality research. Faculty of the department is highly qualified, dynamic and goal oriented. Apart from academic involvement they actively participate in research activity in their chosen domain.

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