



B.S. Abdur Rahman

Crescent

Institute of Science & Technology

Deemed to be University u/s 3 of the UGC Act, 1956

SCHOOL OF INFRASTRUCTURE DEPARTMENT OF CIVIL ENGINEERING

Virtual International Conference
on
*Recent Advances in Sustainable Construction
Technologies and Environment*
ICRASCE-2022

15.06.2022 & 16.06.2022



ABOUT THE INSTITUTE

B. S. Abdur Rahman Crescent Institute of Science and Technology is a renowned Institution located at the greenest spot of Chennai, Tamil nadu, India. This institute has been established under section 3 of the UGC Act 1956 and is accredited with “A+” grade by NAAC. Through the long history of 38 years of excellence, the Institution has offered access to a wide range of academic opportunities. The Institute with 54 programmes, grouped under 12 different Schools, 31 Undergraduate programmes, 23 Postgraduate programmes, and Ph.D., this Institution is a rising stalwart in higher education with promising Quality, Security and Placement. The educational programmes are designed to equip the learners with industry relevant knowledge. Apart from providing top-notch education, the institution also has green and eco-friendly campus for the students.



ABOUT THE DEPARTMENT

The Department of Civil Engineering established in 1984 is one of the oldest and vibrant departments of this Institution. The department has well-qualified and experienced faculty members and excellent infrastructure. The department offers B.Tech. in Civil Engineering, M.Tech. in Structural Engineering, M.Tech. in Construction Engineering & Project Management, and Ph.D. programme in all areas of specializations. The department has been producing high-quality technical manpower needed by industry, R&D organizations and academic Institutions. The department undertakes testing and consultancy services for government and private.

ABOUT ICRASCE - 2022

Rapid urbanization and development of infrastructure have always demanded the construction industry to expand the knowledge about the recent advances in the technologies such as smart materials, automation in construction, smart structural design etc. Environmental sustainability and operational competitiveness in the infrastructure development reinforce one another. Efficient management of waste, smart mobility storm water management, energy efficient construction materials & techniques renewable energy caters the need of the sustainable infrastructure development and also favor healthy environment for the community. The main objective of this international conference is to foster the exchange of knowledge among the researchers, academicians and industrial experts working in the emerging areas of Civil Engineering. The conference would serve as a platform to share their experiences, research findings, challenges encountered and the solutions adopted in the field of sustainable development of environment and construction technology. The conference would aim for the development of holistic frame work that integrates sustainability green infrastructure as a standard practice in construction industry.

CALL FOR PAPERS

The major themes of the conference includes the recent advancements made in various fields

Theme 1 : Construction Technology and Building Materials

- Sustainable Infrastructure
- Building Energy Conservation and Green Architecture
- Sustainable Construction Materials and Technologies
- Smart-Structures and Materials
- Energy management and Carbon neutrality in construction
- Special concretes

Theme 2: Transportation Engineering

- Smart mobility
- Advances in the airport engineering
- Tunnel engineering
- Role of artificial intelligence in transportation
- Innovative pavement materials
- Utilization of waste materials in pavement construction
- Smart traffic planning and management
- Sustainable transportation infrastructure

Theme 3 : Structural Engineering

- Sustainable design in built environment
- Durability and health monitoring of structures
- Advances in Precast Concrete Structures
- Composite structures
- Corrosion prevention and control in reinforced concrete structures
- Recent advances in repair and rehabilitation of structures
- Application of IOT in Structural Engineering
- Innovative design approach for earth quake resistance
- Building Information Modelling

Theme 4: Environmental Engineering and Water Resource Management

- Innovative materials for sustainable energy and environmental remediation
- Waste management
- Application of sensors and IOT in real time monitoring of pipe networks
- Waste to energy
- Water quality assessment and modeling
- Treatment of emerging contaminants
- Advances in watershed management
- Integrated water management
- New technology, method and technique in water resource engineering
- Soft Computing techniques and applications in water resources

Theme 5 : Geotechnical Engineering

- Advanced techniques in soil improvement and reinforcement
- Non destructive test methods in soils
- Ground improvement and geosynthetics
- Geotechnical engineering hazards
- Applications of smart techniques in Geotechnical engineering
- Advanced numerical modelling applied to geohazards

Theme 6 : Advanced Surveying, Remote Sensing & GIS

- Advanced surveying and Construction surveys
- 3D transformations of coordinate systems
- Spatio-temporal analysis/modelling
- Integration of GIS and remote sensing
- Drone surveying
- New tools and methods for spatial data generation
- UAV data for the mapping of natural disasters
- Tracking land use change with remote sensing technologies (LIDAR) and GIS tools

IMPORTANT DATES

Abstracts/Full-Text Paper Submission Timeline	16.05.2022
Notification of Acceptance/Rejection	20.05.2022
Final Paper (Camera Ready) Submission	25.05.2022
Registration Timeline	05.06.2022
Conference Dates	15.06.2022 & 16.06.2022

No Registration Fees

Note:

- Abstracts will be published in Conference proceeding with ISBN Number
- Selected papers will be published in peer review journals

Submit your Abstract to the Conference Mail ID: icrasce2022@gmail.com

PATRONS



Dr. A. Peer Mohamed

Vice Chancellor

B.S. Abdur Rahman Crescent Institute
of Science and Technology, Chennai



Dr. A. Azad

Registrar

B.S. Abdur Rahman Crescent Institute
of Science and Technology, Chennai

CONVENERS

1. **Dr. Vasanthi Padmanabhan**, Professor & Dean, School of Infrastructure, BSACIST
2. **Dr. M.S. Haji Sheik Mohammed**, Professor, Civil Engineering, Director, PC3S, BSACIST

COORDINATORS

1. **Dr. Priya V.S**, Associate Professor, BSACIST
2. **Dr. Nisha Khanam**, Assistant Professor, BSACIST
3. **Mr. S.Dhamodharan**, Assistant Professor, BSACIST

Contact Details

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