

## ORGANIZING COMMITTEE

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Department of Civil Engineering,  
CBIT (A), Hyderabad

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Professor,  
Department of Civil Engineering,  
CBIT (A), Hyderabad

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Department of Civil Engineering,  
CBIT (A), Hyderabad

**Sri. P. Srinivas Reddy**  
Assistant Professor,  
Department of Civil Engineering,  
CBIT (A), Hyderabad

**Dr. Poojari Yugendar**  
Assistant Professor,  
Department of Civil Engineering,  
CBIT (A), Hyderabad

### MEMBERS

All the Staff of Department of Civil Engineering

### IMPORTANT DATES

Last date for submission of Abstract	: 20.04.2021
Intimation of acceptance of Abstract	: 23.04.2021
Last date for submission of Full length paper	: 20.05.2021
Intimation of Acceptance	: 10.06.2021
Last date for submission of corrected paper	: 15.06.2021
Last date for registration	: 20.06.2021
Conference dates	: 26.06.2021 & 27.06.2021

## ADVISORY COMMITTEE

### INTERNATIONAL:

**Dr. Putcha Chandrasekhar**, California State University, Fullerton  
**Dr. Indrajit ray**, University of Trinidad, Tobago  
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**Dr. Indubhushan Patnaikuni**, RMIT, Melbourne, Australia  
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**Dr. Alper Ilki**, Istanbul Technical University, Turkey

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**Dr. K. Balaji Rao**, SERC, Chennai  
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**Dr. P. Jagannadha Rao**, Advisor-AEC, Hyderabad  
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**Dr. R.K. Pandit**, MITS, Gwalior  
**Dr. K.C. Panda**, GCE, Kalahandi, Odisha

## 1<sup>ST</sup> INTERNATIONAL E-CONFERENCE ON SUSTAINABLE APPROACH FOR RESILIENT INFRASTRUCTURE (IC-SAFRI-2021) 26-27, June 2021



Organized by

## DEPARTMENT OF CIVIL ENGINEERING

**Chaitanya Bharathi Institute of Technology**

(Autonomous under UGC)

Affiliated to Osmania University

Accredited by NAAC-UGC and NBA-AICTE

ISO 9001:2015 Certified Institution

Gandipet, Hyderabad, 500075

Telangana State, INDIA

In association with



Centre for Innovative Construction Technology (CICT),  
Department of Civil Engineering,  
University of Malaya,  
50603, Kuala Lumpur, Malaysia

## ABOUT COLLEGE

CBIT, a pioneer in technical education in the state of Telangana, is one of the premier Engineering Colleges in India. It is located in idyllic surroundings of Gandipet lake, Hyderabad and has been standing as a temple of knowledge for the past 42 years. CBIT is an autonomous institution under UGC from 2013 and accredited by NBA-AICTE and NAAC-UGC. The college offers 9 UG and 11 PG programs over the years, CBIT produced several eminent and skillful engineers, spread all over the globe. The institute has received research grants to the tune of Rs. 2.5 Crores from various funding agencies such as AICTE/UGC/DST. Brilliant and meritorious candidates with good EAMCET ranks seek admissions at CBIT. The students are prepared and perfected to secure placements in MNCs through college Career Development Center.

## ABOUT THE DEPARTMENT

Civil Engineering Department of the institute started functioning right from the inception of the institute, in the year 1979. It has well qualified, experienced and dedicated faculty and committed supporting staff. Apart from giving their best in academics, the students of the department are highly enthusiastic & actively participate in various co-curricular & extra-curricular activities. The laboratories of the department are well equipped with advanced and sophisticated instruments, to fully satisfy the training needs of the students and research and consultancy needs of the department as well. The department offers one UG programme (Two Sections) and one PG Programme (Structural Engineering). Conducting seminars, workshops and conferences on the latest developments in civil engineering, arranging expert lectures and industrial visits for the benefit of staff & students, is a regular feature in the department. The department also offers Consultancy Services for various Government and Private Agencies and has completed a good number of prestigious projects. It is a matter of great pride that this Department has submitted the draft for 'Water Policy' for the newly formed Telangana State.

## ABOUT THE CONFERENCE

The concept of sustainability assumed paramount importance ever since the construction industry began to generate the first building assessment systems with almost equally weighted environmental, economic, and social aspects for office buildings over their life cycles. Resilience is connected to the occurrence of extreme events during the life-cycle of structures and infrastructure systems. Hence, it's necessary to minimize the direct and indirect losses from hazards through enhanced resistance and robustness of civil infrastructure. Resilience and sustainability combine structural analysis with social, economic aspects that depend on techniques for the life-cycle analysis and decision making. Both these approaches aim to optimize a civil infrastructure system, with respect to structural design, material utilized, maintenance plans, management strategies, and

impacts on the society. Since sustainability and resilience are complementary to each other, they should be used in an integrated perspective for risk assessment.

Though our current standards are outstanding for engineering the asset for strength and life safety, something above these standards is required for resiliency, sustainability, and long-term impact.

We, the Civil Engineers have to be leaders in the task of changing our approach so that any outcome that is not resilient is not acceptable as an engineering outcome. Leadership is required in holistically planning, designing, and managing sustainable and resilient infrastructure systems and their interactions.

In the 21st century, we are faced with escalating economic and human devastation from various types of disasters, and it's the need of the hour to improve the resilience of infrastructure and create smarter infrastructure systems to protect critical lifelines that help us recover after a disaster. At this juncture, this international conference addresses emerging approaches to infrastructure systems focusing on resilience and sustainability of infrastructure such as structural, geo-technical and water interactions in urban environments. The conference is aimed to providing a platform for all the stake holders of construction industry to deliberate on the themes of the conference and make suitable recommendations to enhance the efficiency in industry.

## THEMES

- ☞ Planning and management of sustainable and resilient transportation systems
- ☞ Earthquake resiliency and interaction of above and below ground urban infrastructure.
- ☞ Green infrastructure design to meet social, economic, and environmental objectives
- ☞ Strategic infrastructure planning under climate change
- ☞ Construction Engineering Management
- ☞ Sustainable Construction Materials
- ☞ Sustainable and Resilient Infrastructure Systems

## REGISTRATION LINK

<https://forms.gle/caXr7JPGZazzerAi9>

## SUBMISSION OF FULL PAPER

All full papers should be submitted electronically to [safri2021\\_civil@cbit.ac.in](mailto:safri2021_civil@cbit.ac.in)

## PUBLICATION

All submitted papers will be reviewed by technical committee of the conference (including similarity plagiarism check by Turnitin). The papers will be peer-reviewed by the experts in the specialized area. Based on the reviewer's comments, the accepted papers will be published in the following journal.

**Materials Today Proceedings: ISSN – 2214-7853 publisher: Elsevier, Index: SCOPUS**

The word Template for preparing the paper will be available at the SAFRI-2021 website.

## REGISTRATION FEE

Delegates from INDIA : Rs. 500/-  
Delegates from outside INDIA : USD40

## PUBLICATION FEE

Publication fee per each paper as follows:  
Delegates from INDIA : Rs. 10,000/-  
Delegates from outside INDIA : USD150

At least one of the authors of the selected paper should register and present the paper at the conference. Registration form is available in SAFRI 2021 website: <http://ic-safri2021.cbit.org/in/>

## ONLINE TRANSFER

Account Name : CBIT Recurring Expenditure  
Account Type : Savings  
Account No : 180401001258  
IFSC Code : ICIC0001804  
MICR Code : 500229104

## CONTACT

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