

# Call for Papers

## 1<sup>st</sup> VIRTUAL INTERNATIONAL CONFERENCE ON “EMERGING RESEARCH AND INNOVATIONS IN CIVIL ENGINEERING”

(ERICE – 2021)

17<sup>th</sup> APRIL, 2021



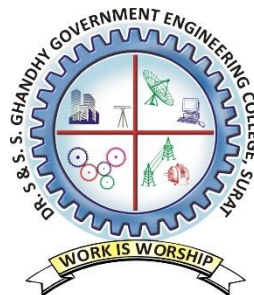
Sponsored By:



Department of Science & Technology  
Government of Gujarat

*Gujarat Council on Science and Technology, Department of  
Science & Technology, Government of Gujarat, Gandhinagar*

Organized By:



*Department of Civil Engineering  
Dr. S. & S. S. Ghandhy Government Engineering College,  
Surat – 395001*

[www.gecsu.cteguj.in](http://www.gecsu.cteguj.in)

## **ABOUT INSTITUTE**

Dr. S. & S. S. Ghandhy Government Engineering College, Surat is one of the eight new Government Engineering Colleges established in July, 2004 to educate young talent in the field of Civil Engineering, Mechanical Engineering, Electrical Engineering, Electronics and Communication Engineering and Environmental Engineering. The institute offers an



outstanding learning environment. Faculties are dedicated to provide the students global technical capabilities required for success. The learning experience is catalysed by sharing recent developments in the field and delivered by experienced research-oriented teachers and

experts from the field. At present Institute offers five UG programmes and two PG programme.

## **ABOUT CIVIL ENGINEERING DEPARTMENT**

### **VISION**

To be an excellent centre of technical education developing professionally competent civil engineers with ethical values.

### **MISSION**

- To impart civil engineering knowledge and skills to meet the industrial and societal needs.
- To facilitate students in pursuing higher education and career endeavours.
- To provide supportive environment for students to develop professionalism, creativity, and ethical practices

Civil Engineering is a very vast and continuously emerging branch. The department has highly qualified faculty members with well-equipped laboratories of Fluid Mechanics, Transportation Engineering, Surveying, Environmental Engineering and Engineering Geology. The graduates from the Institute equipped with the knowledge and sound technical information, refined professional touch, are capable of undertaking the Civil Engineering jobs to meet the challenges of the 21<sup>st</sup> Century. Department also offers postgraduate course in Water Resource Engineering.

## **ABOUT CONFERENCE**

With the rapid growth rate in infrastructure in India, there is a tremendous investment being made in the infrastructure field. The investment in infrastructure brings along its own unique set of challenges. Civil Engineers are at the forefront of facing and tackling these challenges and developing innovative and cost-effective solutions. The goal of this conference is to bring together the leading academicians, researchers, scholars, industrialists, and local bodies like

Municipal Corporation or Corporate sector in various field of Civil Engineering across the country to exchange new ideas, to share knowledge, to explore trends and technologies with innovation in the field of Civil Engineering.

The conference is expected to include presentations on the latest research trends showcasing the important achievements and upcoming challenges in the sector of Civil Engineering.

The main theme of the conference is "**Emerging Research and Innovations in Civil Engineering (ERICE - 2021)**". In tune with the theme, the following sub-topics have been identified but not limited to for presentation of papers and discussion at the Conference:

#### **Water Resource Engineering and Management**

- Irrigation Management.
- River Basin Management.
- Hydrological Modelling.
- GIS and Remote Sensing.
- Ground Water and Surface Water Hydrology.

#### **Structural Engineering**

- Recent Advances in Earthquake Engineering
- Engineering Structure Safety and Disaster Prevention Structure.
- Durability of Concrete.
- Theory and Advanced Technology of Engineering Structure.
- Repair and Rehabilitation of Structures.

#### **Environmental Engineering**

- Environmental Impact Assessment.
- Water and Waste Water management.
- Environmental Geo-informatics.
- Air and Noise Pollution Remediation.
- Solid Waste Management

#### **Transportation Engineering**

- Transportation Planning.
- Traffic Planning and Modelling.
- Intelligent Transport System.

#### **Geo-Technical Engineering**

- Soil Dynamics and Foundation Engineering.
- Ground Improvement Techniques.
- Application of Geo-Reinforcement.
- Sub Soil Characterization.

#### **Urban Planning**

- Smart Cities Problems and Challenges.
- Rural Planning.
- Urban Infrastructure.
- Land Management Model.

**Research and Innovation in emerging fields of Civil Engineering. Any other topics related to Civil Engineering are also acceptable.**

### **Patron**

- Dr. Vijay D. Dhiman, Principal, Dr. S. & S. S. Gandhi GEC, Surat.

### **Convener**

- Dr. Sahita I. Waikhom, Associate Professor & Head Civil Engg. Dept., DGGEC, Surat.

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### **PAPER SUBMISSION**

- The paper must not exceed 12 pages in length (including all text, figures, and references).
- The manuscript must be submitted in word format only and the file size of your manuscript should not exceed 5 MB.
- Use a proper tool to convert the resulting source into a pdf document that has only scalable fonts with all fonts embedded.

The authors will then be invited to submit the final papers based on the plagiarism check and recommendations of the reviewers for inclusion in the publications. All the papers presented at the conference will be published in conference proceedings with an ISBN number. Additionally, the selected papers will be published in Scopus indexed journal.

**\*\*\* The publication charges of journals would be imposed additionally if required.**

### **WHO CAN PARTICIPATE?**

Authorities, professionals, young academicians, research scholars, and UG-PG students working in the field of Civil engineering are eligible to participate.

### **REGISTRATION**

All accepted papers must be registered. Only registered authors are allowed to present the papers. The plagiarism limit for the paper is less than or equal to 15%.

<b>Students (UG/PG/Researchers)</b>	<b>Rs. 500/-</b>
<b>Faculty</b>	<b>Rs. 1000/-</b>
<b>Attendees</b>	<b>Rs. 300/-</b>

### **IMPORTANT DATES**

**Submission of Full Paper: 25-03-2021**

**Notification of Acceptance of Full Paper: 01-04-2021**

**Submission of Revised Final Paper: 10-04-2021**

**Last Date of Registration: 12-04-2021**

## **CONTACT DETAILS**

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**Conference website:** <https://erice19civil-com.webnode.com/>