



**A National Conference  
on  
Emerging Trends in Civil  
Engineering  
(ETCE-23)**

**28<sup>th</sup> & 29<sup>th</sup> December 2023**

Organized by



**Department of Civil Engineering,  
Walchand College of Engineering  
(Government-Aided Autonomous Institute)  
Vishrambag, Sangli - 416415, Maharashtra,  
India**

### Scope of the Conference

Civil Engineering and its allied disciplines address the issues related to societal concerns and contribute significantly to infrastructure development. Rapid urbanization has resulted in growing public demands for the necessary services like building infrastructure, transportation, water supply and sanitation facilities. The technologies have been undergoing dynamic improvisations in order to address these issues. In context to the development of cities and towns with all modern amenities and sustainable environment, the awareness of latest technological advances in Civil Engineering is highly significant. The two-day national conference shall provide a platform to discuss and transfer knowledge on recent advances for providing sustainable infrastructure through interaction with and amongst academicians, professionals and research scholars.

### Conference themes

The conference will include the following themes but will not be limited to

- ❖ Building technologies and affordable housing in smart city
- ❖ Soil improvement and ground stabilization
- ❖ Transport systems and traffic management
- ❖ Clean water and sanitation under Jal-Jeevan Mission
- ❖ Emerging concepts in water and wastewater treatment
- ❖ Urban solid waste management
- ❖ National clean air programme
- ❖ Hydraulics and Water Resources management
- ❖ Seismic resilient infrastructure
- ❖ Special Concrete
- ❖ Earthquake resistant buildings
- ❖ High rise buildings
- ❖ Novel structural analysis and design methodologies
- ❖ Composite structures
- ❖ Retrofitting and rehabilitation

- ❖ Application of remote sensing, global positioning system, and geographical information system in Civil Engineering
- ❖ Application of artificial intelligence, machine learning, internet of things, computer security, and soft computing for Civil Engineering.

### Call for papers

The original and unpublished research/review papers are invited for presentation in the conference. The papers received will undergo a review process from experts in the relevant areas and a maximum of 50 papers will be selected for the conference. Of these accepted papers 40 papers will be selected for oral presentation and the rest will be permitted for poster presentation. The selected papers will be published in the proceedings with ISSN/ISBN number.

The template for preparing the abstract and full-length paper is available on the website [www.walchandsangli.ac.in](http://www.walchandsangli.ac.in) Camera ready papers may please be submitted to [etce23@walchandsangli.ac.in](mailto:etce23@walchandsangli.ac.in)

### Important dates

Abstract submission	15 <sup>th</sup> Sept. 2023
Abstract acceptance notification	05 <sup>th</sup> Oct. 2023
Early bird registration	10 <sup>th</sup> Oct. 2023
Submission of full-length paper	20 <sup>th</sup> Oct. 2023
Revision and final submission	30 <sup>th</sup> Oct 2023
Acceptance of Paper	07 <sup>th</sup> Nov. 2023

### Registration Fees

Delegates	Early Bird Registration	Late Registration
Student (WCE)	INR 500	INR 750
Student (Other than WCE)	INR 1000	INR 1500
Academician	INR 1500	INR 2000
Industry/Research participants	INR 2500	INR 3500

## Mode of payment

Registration fee can be paid through DD drawn in the favor of “Director, Walchand college of Engineering, Sangli” or online banking, NEFT/RTGS in Bank

Account name	ETCE-23
Account number	59219472021002
IFSC code	HDFC0000222

## About WCE

Established in the year 1947, Walchand College of Engineering (WCE) is one of the reputed colleges in India. Affiliated to Shivaji University, Kolhapur; this college was granted autonomy in the year 2007 and has been one of the few selected colleges in India undergoing the MHRD funded projects of TEQIP I, II and III. The college has been accredited by NAAC with “A” grade and most of the academic programmes are accredited by NBA.

WCE, Sangli is located on Belgaum-Pune railway route and the convenient airports are Belagavi (120 km), Pune (230 km) and Mumbai (450 km) from Sangli. It is also well connected by Road from Solapur (200 km) and Vijayapura (140 km), Hubballi (220 km).

## Civil Engineering Department

The Department of Civil Engineering was the first inchoative discipline at Walchand College of Engineering, Sangli and the oldest in Southern Maharashtra region. The Department offers Bachelor’s Degree in Civil Engineering (B. Tech.) and two programmes leading to Master’s degree (M. Tech.) in Civil engineering with specialization of Environmental Engineering and Structural Engineering adequately supported with doctoral programmes in Civil Engineering. The department has been accredited for five years by NBA consistently twice since 2003 and is going for Accreditation for its third cycle.

The Department is known for its reputed faculty having expertise in diverse fields. The department continues to strive loftier by exploring new frontiers of civil engineering, imparting the latest technical knowledge to the students and conducting high quality of research which renders technical advice on live engineering problems in the field of Environmental Engineering to various Government and Private Sector organizations throughout the state. It has built up a wide research potential in Environmental Engineering, Geotechnical Engineering, Structural Engineering, and Building Technologies. The research projects of the department are funded by various agencies such as Department of Science and Technology, All India Council for Technical Education (AICTE), and Maharashtra Pollution Control Board (MPCB).

## Location

Participants will have to make their own arrangements for travel and stay at Sangli. However, assistance may be provided for accommodation booking if required.

Participants may book the hotels/lodges directly. Details of some hotels/lodges very near to the college (walkable distance) are given below

- ✓ Hotel Ambassador: 0233-2672333,
- ✓ Hotel Sai-Prarthana: 0233-2301787
- ✓ Hotel Season Four: 0233-2671791
- ✓ Hotel Pai Prakash: 0233-675222
- ✓ Hotel Icon Inn: 2675333/5444/5555
- ✓ Hotel O<sub>2</sub>: 97653 80202

For any query regarding travel and accommodation please contact: **Shri. A. A. Magdum** (Mobile: 9422517796), [anmol.magdum@walchandsangli.ac.in](mailto:anmol.magdum@walchandsangli.ac.in)

## Organizing Council

### ⇒ Patrons:

Dr. V. M Mohitkar, Director, DTE  
Dr. D. V. Jadhav, Jt. Director, RO Pune  
Shri. Amol Chavan, Member, WCE Admin council  
Prof. U. A. Dabade, I/C. Director, WCE

### ⇒ Conveners:

Prof. G. R. Munavalli  
Prof. K. S. Gumaste

### ⇒ Co-Convenor:

Dr. A. K. Mali

## Advisory Council

Prof. P. G. Sonavane, WCE, Sangli  
Prof. S. N. Tande, WCE, Sangli  
Prof. H. S. Shivaprasad, GB Pant University, Pantnagar  
Prof. M. V. Chitawadagi, KLE Technological University, Hubballi  
Prof. M. M. Awati, Tontadarya College of Engg., Gadag  
Prof. V.S. Soraganvi, BVVs College of Engg., Bagalkot  
Prof. K. G. Guptha, Govt., College of Engg., Goa  
Prof. D. K. Kulkarni, SDM College of Engg., Dharwad  
Prof. H. S. Jadhav, RIT, Islampur  
Prof. M. M. Mujumdar, KIT, Kolhapur  
Dr. D. S. Pawar, IIT, Hyderabad  
Dr. B. M. Dawari, COEP Technological University, Pune  
Dr. R. K. Rai, Government College of Engg., Amaravati  
Dr. V. B. Varekar, VJTI, Mumbai

## Organizing Committee

- Shri. C. H. Wagh
- Dr. S. B. Kadam
- Dr. A. K. Kokane
- Dr. Pruthviraj B. S.
- Dr. D. S. Chavan
- Shri. A. A. Magdum
- Shri. B. R. Kavathekar
- Shri. S. M. Wandare
- Shri. G. M. Bhosale
- Shri. S. A. Patil
- Shri. R. D. Mangalekar

## For any queries, contact:

**Dr. A. K. Mali (+91 7507535777)**  
[amol.mali@walchandsangli.ac.in](mailto:amol.mali@walchandsangli.ac.in)

**Shri. R. D. Mangalekar (+91 7709878553)**  
[rohith.mangalekar@walchandsangli.ac.in](mailto:rohith.mangalekar@walchandsangli.ac.in)