



**First International Conference On  
Sustainable Materials, Methodologies, Technologies  
& Applications in Engineering  
(ICS2MT-2K25)**

January 24-25, 2025

**HYBRID MODE**

Organized by

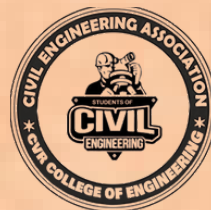
DEPARTMENT OF CIVIL ENGINEERING

**CVR COLLEGE OF ENGINEERING**

(An UGC Autonomous Institution)

VASTUNAGAR, MANGALPALLI (V), IBRAHIMPATNAM (M), RANGAREDDY (D), TELANGANA - 501510

In Association with





# First International Conference

On

## Sustainable Materials, Methodologies, Technologies & Applications in Engineering (ICS2MT-2K25)



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Scopus

### ABOUT INSTITUTE

CVR College of Engineering, established in 2001, is a pioneer in providing quality education to students. CVRCE, true to its vision, is in Pursuit of Excellence while catering to the changing needs of the student community at large for the last couple of decades. CVRCE is ranked among the top few premier institutions in the state of Telangana and holds NIRF ranking of less than 200. The College is Autonomous under the UGC and accredited by the NAAC with Grade 'A'. The college promotes academic research and consultancy. The college publishes "CVR Journal of Science & Technology" to disseminate research content. The College is working towards accomplishing its mission to serve the nation as a center of quality education, research and knowledge.

### ABOUT DEPARTMENT

Civil Engineering Department was established in the academic year 2011-2012 with a B.Tech. Programme and M.Tech. Programme in Structural Engineering in 2014-15. The faculty members of the department are from IITs, NITs, JNTUH, OU, NCCBM and University campus colleges with specializations encompassing the entire spectrum of Civil Engineering. Civil Engineering Department is accredited twice by NBA and accreditation is upto 2024-2025. Department has a state-of-art equipment and undertakes Material testing, Consultancy works and Research & Development works.

S.NO	DESCRIPTION	DATES
1.	Call for Abstracts	15 - 10 - 2024
2.	Deadline for abstract submission	15 - 11 - 2024
3.	Acceptance of abstract	17 - 11 - 2024
4.	Call for Full length Papers	18 - 11 - 2024
5.	Deadline for full length papers submission	15 - 12 - 2024
6.	Acceptance of Full length Papers	22 - 12 - 2024
7.	Registration opening	23 - 12 - 2024
8.	Deadline for registration	07 - 01 - 2025
9.	Conference dates	January 24 - 25, 2025

### Manuscript Submission

Abstract & Full Length Paper submission:

<https://cmt3.research.microsoft.com/ICS2MT2025>



Website QR code

All submitted papers will be peer-reviewed, and accepted papers will be published in Scopus-indexed journals or proceedings.

### **Theme 1: Sustainable Materials**

- Advancements in Smart, Sustainable Materials & Applications
- Nanomaterials for Sustainability
- High Performance Sustainable Concrete
- Sustainable Polymers and Plastics
- Performance and Durability of Sustainable Materials
- Life Cycle Analysis and Environmental Impact of Materials
- Applications of Biodegradable Materials
- Recycled and Up-cycled Materials in Engineering
- Sustainable Coatings and Surface Treatments
- Sustainable Material Manufacturing Processes
- Sustainable Material Performance in Extreme Conditions
- Regulatory and Policy Aspects of Sustainable Materials
- Sustainable Pavement Materials, Design and Construction

### **Theme 2: Sustainable Methodologies**

- Impact of climate changes on water resource sustainability
- Development of sustainable urban drainage and stormwater management systems
- Energy-Efficient Design and Engineering Practices
- Geo-Environmental Engineering
- Geo-technical Earthquake Engineering
- Innovations in sustainable geo-synthetics
- Renewable Energy Integration in Engineering Projects
- Low-Carbon Building Techniques
- Water Conservation Techniques and Sustainable Water Management
- Waste Management and Reduction Strategies
- Green Manufacturing Processes and Technologies
- Sustainable Urban Planning and Development
- GIS Applications for Environmental Monitoring & Management
- Sustainable Urban Flood Prediction, Estimation and Disaster Risk Management
- Advanced wastewater treatment and recycling technologies

### **Theme 3: Sustainable Technologies**

- AI, IoT, and Machine Learning for Sustainable Technologies
- AI & ML Applications in Climate Change and Resource Management
- 3D Printing for Sustainable Construction
- Sustainable ground improvement techniques
- Advanced wastewater treatment and recycling technologies
- Smart Grid Technologies
- Advanced Sensors and IoT for Environmental Monitoring
- Digital Twins and BIM for Sustainable Project Management
- Robotics & Automation in Sustainable Engineering Practices
- Health Monitoring and Maintenance of Sustainable Infrastructure
- Advanced Materials for Energy Storage
- Artificial Intelligence for Predictive Maintenance
- Rainwater Harvesting Analysis and Design
- Wastewater Treatment and Resources Recovery
- Water Quality and Treatment technologies
- Emerging Travel Technologies (ITS and IOT)

## **Theme 4 : Sustainable Practices**

- Sustainable Practices across Engineering Disciplines
- Sustainable Retrofitting and Rehabilitation of Existing Infrastructure
- Resilience and Adaptability of Sustainable Infrastructure
- Innovation in Sustainable transportation Systems
- UAV Based Air Quality and Pollution Reduction Technologies
- Resilient and Sustainable Urban Infrastructure
- Geotechnical Challenges in Mega Infrastructure Projects
- Sustainable practices in flood risk management
- Sustainable urban planning and development strategies
- Engineering Applications for Environmental Management
- Hydro-geological systems and sustainable ground water resources management

### **VENUE**

CVR College of Engineering,  
Mangalpalli,Ibrahimpatnam,Ranga Reddy District -501510.Telangana State.

<https://maps.app.goo.gl/vxcPorhFtDx8VgSq7>

The College is located on the Mangalpalli - Pocharam BT Road, 2.7 km from the 24-km stone on the Hyderabad – Nagarjunasagar Highway, and at a distance of 20 km from the LB Nagar Ring Road.

It is less than 6 kms from the ORR Bonglur junction. RTC bus routes: No. 277 from Koti/MGBS and No. 279 from JBS,Secunderabad (Mangalpalli stop).

### **Contact:**

**Dr. Chava Venkatesh**

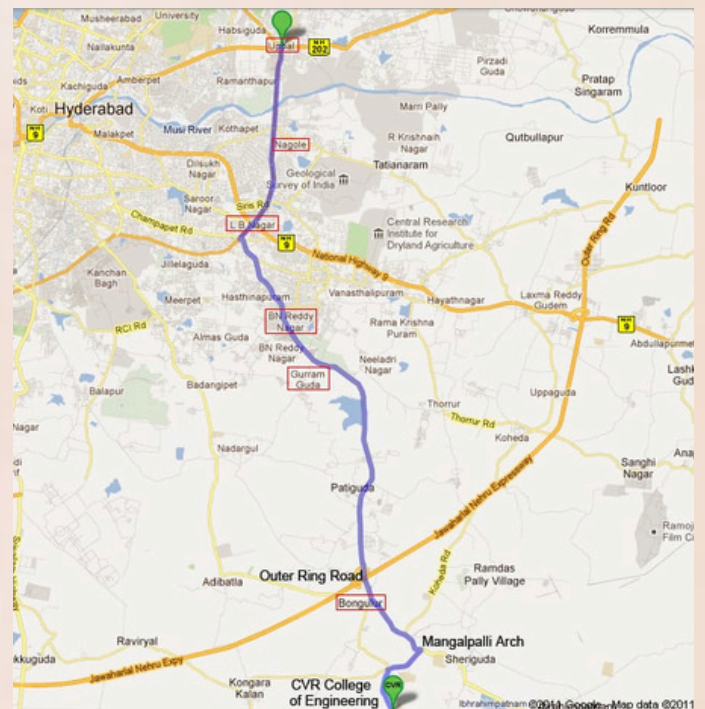
Asst. Prof. & Conference Co-Convener

Department of Civil Engineering, CVR College of  
Engineering.

**Ph no: 7893062970      Email:**

**ICS2MT\_info@cvr.ac.in**

**Web: <https://cvr.ac.in/ics2mt>**



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## Registration Fee

Registration Type	Indian Authors (INR)	Foreign Authors (USD)
Academicians	8000/-	100
Students/Research Scholars	7000/-	100
Industry Participants	9000/-	125

### Sponsorship Details

#### Platinum Sponsorship, Rs. 40,000/\$600

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- Logo in flyers.
- Logo in main e-poster for the conference.

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**Name of Account:** CVR College of Engineering

**Account No:** 52125502617

**IFSC Code:** SBIN0020090

**Bank & Branch:** State Bank of India,  
Ibrahimpattanam

#### Registration Link for Authors:

<https://forms.gle/32R2REHMTtGGryqa6>

All submitted papers will be peer-reviewed, and accepted papers will be published in **Scopus Journals/proceedings**.

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