



**VIT**<sup>®</sup>

Vellore Institute of Technology  
(Deemed to be University under section 3 of UGC Act, 1956)

**MASTER<sup>®</sup>**  
**BUILDERS** *Dalmia*  
SOLUTIONS cement

# SECOND NATIONAL CONFERENCE ON SPECIAL CONCRETE

**March 23 & 24, 2023**

**Organized by**

**SCHOOL OF CIVIL ENGINEERING**

<https://events.vit.ac.in/>

**Organizing Secretaries**

**Dr. T. Shanmuga Priya,**

Associate Professor, School of Civil Engineering, VIT Vellore – 632014.  
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**Dr. S. Bala Murugan,**

Associate Professor, School of Civil Engineering, VIT Vellore – 632014.  
Mobile: +91– 9788095982, Email: balamurugan.s@vit.ac.in.

## **Conference Themes**

Cement Chemistry  
Supplementary Cementitious Materials  
Additives and admixtures  
Bio sourced and Recycled Materials  
Microstructure and hydration  
Modeling of concrete properties  
Structural Strengthening & Retrofitting  
Modular and prefabricated construction  
Sustainable concrete and composites

<b>S. No.</b>	<b>Delegates Category</b>	<b>Registration Fee* (INR)</b>
<b>1</b>	<b>PG and UG Students &amp; Research Scholars</b>	<b>1000</b>
<b>2</b>	<b>Faculty / Industry / R&amp;D</b>	<b>1500</b>

## **Important Dates**

**Submission of full length paper : 10-3-2023**

**Notification of Acceptance : 12-3-2023**

**Last Date for Registration : 20-3-2023**

**Paper will be published in conference proceedings with ISBN Number.**

### **About VIT**

VIT was founded in 1984 as Vellore Engineering College by Honourable Chancellor Dr. G. Viswanathan. From its humble beginning, the institution has grown exponentially to that of having more than 33,000 students. Students from all the states of India and from more than 50 countries are studying at VIT. VIT deemed to be university status was conferred in 2001 by MHRD Govt. of India in recognition of its excellence in academics, research and extracurricular initiatives. The National Institutional Ranking Framework (NIRF) of the MHRD, Government of India, has identified VIT 10<sup>th</sup> in research, 12<sup>th</sup> in engineering category, 9<sup>th</sup> in university category and 18<sup>th</sup> in overall category in 2022., IET [UK], and ABET [USA] and follows world class academic processes. VIT has gone for accreditation by NAAC [India], VIT obtained the highest possible grade of “A++” from NAAC during the 4<sup>th</sup> cycle process. 48 Professors of VIT are among the Top 2% Scientists in the world according to the study conducted by the Stanford University, USA in 2022. VIT has introduced many innovations in academic processes which adds value to every student - FFCS (Fully Flexible Credit System), for better learning, fully digitized academic portals that assist students in equipping themselves for 2023 market-place, Hack-a-thons / Make-a-thons as part of curriculum exercise which kindles the interest and the curiosity of students, which moulds them to be better problem solvers. The 8<sup>th</sup> module in every subject being handled by industry experts, making the students contextualize the concepts they study in the classroom, are few of the innovations that VIT has introduced

### **School of Civil Engineering**

The School of Civil Engineering (SCE) is a part of the institute since its inception. The school has grown tremendously over the past thirty nine years and is now

recognized as one of the major engineering schools in VIT. The school has more than fifty faculty members from elite institutions across the globe. Besides high quality teaching and research at both UG and PG levels, faculty members of the school are actively involved in executing a number of R&D and Consultancy projects from government agencies including DST, SERB, ISRO, UGC, AICTE, and also from many reputed industries. The School of Civil Engineering, with its multifaceted faculty members, continues to maintain and cultivate its strong link with the infrastructural industry such as L&T, HCC, FL Smith, Dalmia, Ultra Tech, TATA Consultancy, etc. The school has also regularly benefited from international linkages facilitated by the university level MoUs with a number of leading foreign universities, Research center and Industries.

### **About Conference**

In recent years, researchers and industries have focused on the improvement of concrete quality regarding its strength, service life and environmental aspects by adapting different types of special concrete. Special Concrete includes High Strength / Performance Concrete, Self-Compacting Concrete, Polymer Concrete, High Density Concrete, Lightweight concrete, etc. This conference provides a platform for the students, researchers, faculty and industry persons to present the work on sustainable materials, strength, durability and microstructural properties related to special concrete.

### **Conference Themes**

- ❖ Cement Chemistry
- ❖ Supplementary Cementitious Materials
- ❖ Additives and admixtures
- ❖ Bio sourced and Recycled Materials
- ❖ Microstructure and hydration
- ❖ Modeling of concrete properties
- ❖ Structural Strengthening & Retrofitting
- ❖ Modular and prefabricated construction
- ❖ Sustainable concrete and composites



## **Second National Conference**

on

## **Special Concrete**

*Organized*

*by*

**SCHOOL OF CIVIL ENGINEERING**

**Sponsor By**



**23<sup>rd</sup> & 24<sup>th</sup> March, 2023**

### ***Honorable Patron***

Dr. G. Viswanathan, Chancellor,  
Vellore Institute of Technology, Vellore.

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Vice President, VIT, Vellore.

Dr. Sekar Viswanathan  
Vice President, VIT, Vellore.

Shri. G. V. Selvam  
Vice President, VIT, Vellore.

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Dr. T. Jayabharathi,  
Registrar, VIT, Vellore.

### ***Convener***

Dr. A. S. Santhi  
Professor (HAG) & Dean, SCE, VIT, Vellore.

### ***Co-Conveners***

Dr. A. Punitha Kumar, Associate Professor,  
Head, SGE, VIT, Vellore.

Dr. S. Mahenthiran, Assistant Professor Sr.  
Head, EWRE, VIT, Vellore.

### ***Organizing Secretaries***

Dr. T. Shanmuga Priya, Associate Professor  
Dr. S. Bala Murugan, Associate Professor

### ***Advisory Committee***

Dr. Manu Santhanam, Professor, IIT Madras.  
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Roorkee.

Dr. Sharma, Umesh Kumar, Professor, IIT Roorkee  
Dr. Thenmozhi, Professor & Head, GCT,  
Coimbatore

### ***Key Note Speakers***

#### ***Dr. Amol Patil***

Sr. Specialist. General Manager (Admixtures &  
Specialty Solutions), Master Builders Solutions  
India Pvt. Ltd. Mumbai.

#### ***Dr. Ganesh. V***

General Manager - Technical Service, Dalmia  
Cements (B) Ltd, Chennai.

#### ***Dr. Piyush Chaunsali***

Assistant Professor, (BTCM) Division, IIT Madras.

#### ***Dr. Ramesh Nayaka. R***

Assistant Professor, Department of Civil  
Engineering, NIT Warangal.

#### ***Dr. Siva Kumar. K***

Head – Concrete Technology, L&T Construction,  
Manapakkam, Chennai.

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*Registration & Registration fee can be paid through  
online using link*

<https://events.vit.ac.in/>

\*Inclusive of GST, Workshop Kit, Refreshments and Working  
Lunch.

### ***Paper Submission***

Full length papers should be submitted through e-mail  
**specialconcrete@vit.ac.in**

### ***Address for correspondence***

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