



**REVA**  
UNIVERSITY  
Bengaluru, India

## SCHOOL OF CIVIL ENGINEERING



## NEWSLETTER AUGUST 2023

Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru - 560064  
Phone: +91-80-6622 6622, Fax: +91-80-2847 8539

## Foreword - Chancellor



My best wishes to all the schools for bringing out the Newsletter and for the commitment shown by the Director, the faculty and staff to achieve academic excellence and innovation. As you all know, research, experiment and innovation are always an integral part of the pedagogy at REVA University. Staff members and students actively participate in cutting-edge research projects at several institutions throughout the year. I believe that in this interconnected world, the role of research in a university is significant for its sustainability and development and it is imperative to have knowledge-driven growth, based on innovation. All our work also needs chronicling and dissemination of such information to all stakeholders is critical. A Newsletter from the school, I strongly believe, chronicles the entire journey of the school.

I am sure that this newsletter serves as a testimony to upholding all our efforts. Once again, congratulations to the school for your excellent Newsletter. Keep up the good work, and I wish you all the best in your future endeavors.

**Dr P Shyama Raju**

Chancellor,

REVA University



## Pro Chancellor's Message



It gives me immense pleasure to note that the various Schools at REVA have released another edition of the School Newsletter. I am pleased to note that every school has made several academic accomplishments, especially in the domains of research and publications, which further endorses REVA's effort in the global research community. As, one of the forerunners in providing quality education, we believe in and aspire to contribute quality research works. Our students also received an excellent opportunity to get exposure to adequate cultural, co-curricular and student outreach initiatives through student clubs and communities at REVA University.

I am happy to see that your newsletter is an outstanding example of your dedication and hard work. It also demonstrates the depth of your knowledge and the breadth of your skills. Let's keep this momentum going and look forward to further accomplishments in the future!

**Mr. Umesh Raju**

Pro Chancellor,

REVA University

**TABLE OF CONTENTS**

| <b>S. No.</b> | <b>Programme</b>  | <b>Date</b>                                      |
|---------------|---|--|
| 1             | 7 <sup>th</sup> International Conference on “Sustainable Materials for Advanced Research & Technologies in Civil Engineering” (SMART CE-2023) | 11 <sup>th</sup> to 12 <sup>th</sup> August 2023 |
| 2             | Expert Lecture on "Spatial Technology for Urban Planning and Sustainable Water Resources Management"  | 31 <sup>st</sup> August 2023                     |



## 7<sup>th</sup> International Conference on “Sustainable Materials for Advanced Research & Technologies in Civil Engineering” (SMART CE-2023)

The School of Civil Engineering successfully organized a two-day International Conference on "Sustainable Materials for Advanced Research & Technologies in Civil Engineering" (SMART CE-2023), held on the 11<sup>th</sup> and 12<sup>th</sup> of August 2023. The primary objective of the conference was to provide a platform for young researchers, emerging engineers, academicians, and postgraduate students to present their research findings in various domains of civil engineering. SMART CE-2023 saw the participation of approximately 55 delegates.

The inaugural session, chaired by Dr. P. Shyama Raju, Chancellor of REVA University, Dr. M. Dhananjaya, Vice-Chancellor of REVA University, and Dr. N. Ramesh, Registrar of REVA University, set the tone for the conference. The Chief Guest for the event was Prof. Dr. Edy Tonnizam Mohamad, Professor at the Centre of Tropical Geoengineering (GEOTROPIK), Faculty of Civil Engineering, UTM, Malaysia. Dr. B Bhavana, Director of the School of Civil Engineering, and Dr. K. S Narayan Swamy, Director of the School of Mechanical Engineering, also graced the occasion.

The conference focused on the impact of rapid infrastructure development on the construction industry and emphasized the crucial role of smart and sustainable materials. The use of smart materials in civil engineering represents a innovative approach towards achieving sustainable and durable construction of vital structures. By minimizing the risk of load exceedance and structural collapse, the use of smart materials can enhance the lifespan of structures. The importance of developing a smart system for concrete structures to minimize internal and external disturbances for structural safety and prolonged service life was highlighted.

The conference successfully brought together key stakeholders, including academicians, researchers, and industry professionals from the construction industry, both nationally and internationally. The collaborative exchange of ideas and knowledge aimed to contribute to advancements in the field of civil engineering.





### Expert Lecture on "Spatial Technology for Urban Planning and Sustainable Water Resources Management"

The School of Civil Engineering at REVA University hosted an expert lecture on "Spatial Technology for Urban Planning and Sustainable Water Resources Management" on 31<sup>st</sup> August 2023. Dr. Sathosh L G, Assistant Professor from the Department of Civil Engineering at Ramaiah Institute of Technology, served as the resource person. The lecture aimed to shed light on the pivotal role of spatial technology in enhancing urban planning strategies and fostering sustainable water resource management.

Dr. Sathosh shared insights into cutting-edge applications, methodologies, and case studies, providing a comprehensive understanding of the intersection between spatial technology and civil engineering. The event facilitated knowledge exchange and highlighted the imperative connection between technology and sustainable urban development.

