



REVA
UNIVERSITY
Bengaluru, India

SCHOOL OF CIVIL ENGINEERING



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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

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1st Year Induction Programme

The School of Civil Engineering organized the 1st Year Induction Programme for the newly enrolled bachelor students from 7th to 15th September 2023. The purpose of the Student Induction Programme is to assist newcomers in adjusting to and feeling comfortable in their new academic environment. The program aims to instill in them the ethos and culture of the institution, foster connections with fellow students and faculty members, and expose them to a sense of larger purpose and self-exploration.

It is a well-planned event designed to familiarize new entrants with the institution's environment and connect them with the people within it. The Student Induction Programme actively engages with new students before regular classes commence. At the beginning of the induction, participants gain knowledge about institutional policies, processes, practices, culture, values, and are organized into mentor groups.

The list of activities during the programme includes:

1. Physical Activities
2. Mentoring Sessions
3. Familiarization with Department/Branch
4. Creative Arts and Culture
5. Literary Activities
6. Lectures by Eminent Speakers
7. Visits to Local Areas
8. Participation in Extra-Curricular Activities on Campus

These activities are strategically designed to provide a holistic introduction to the institution and contribute to the overall development and integration of new students into the academic community.





Field Visit to Traffic Transit Management Center

The field visit to the Traffic Transit Management Center (TTMC) in Bengaluru on September 11, 2023, was a highly enlightening experience for the 65 students from the School of Civil Engineering. The visit was organized by the faculty coordinators, Dr. S Srikanth Reddy, Prof. Amaranatha G A, and Prof. Madhu K A. The visit aimed to provide practical insights into TTMC's functioning, a crucial hub responsible for overseeing and controlling traffic in the city. The warm reception by TTMC staff set the tone for the visit, which included a guided tour of the control room, where students witnessed real-time traffic monitoring and learned about the coordination of traffic signals. Engaging presentations on advanced technologies, such as adaptive traffic signal systems and traffic data analysis tools, further enriched the students' understanding.

The visit highlighted technological advancements for efficient traffic management, emphasizing the importance of real-time data and traffic signal coordination. The operational expertise demonstrated by the TTMC staff in managing traffic flows, incident responses, and collaboration with field personnel left a lasting impression on the students. The visit underscored the role of data analytics in making informed decisions regarding traffic management, predicting trends, and proactively implementing improvements.

The objectives of the visit centered around understanding traffic management methods and technologies in Bengaluru, gaining operational insights into TTMC's day-to-day functions, and comprehending the utilization

School of Civil Engineering of collected data for traffic analysis and forecasting. In achieving these objectives, the students gained a comprehensive understanding of the intricate world of traffic management, bridging the gap between theoretical knowledge and real-world applications. The experience provided valuable insights into the coordination, teamwork, and data-driven decision-making essential for effective traffic management.

The School of Civil Engineering extends gratitude to the S P Shashikala, ACP Traffic and Planning, and Dr. Anilkumar P. Grampurohit, Police Inspector, for the opportunity to visit TTMC and their guidance during the visit. Additionally, appreciation is extended to the Director and Management for their support in ensuring the success of this field visit.





Six Day Certification Programme on “Construction Planning Using - Primavera P6 Software”

The six-day Certification Programme on "Construction Planning Using Primavera P6 Software" held offline from 11th to 16th September 2023 was a significant initiative by the School of Civil Engineering in collaboration with CAD Centre. Under the guidance of Dr. Bhavana B, the Director of the School of Civil Engineering, the steering committee, and the dedicated convener, Dr. Kannam Praveen, along with co-convener Dr. Sanjay Raj A, ensured the success of the program. The collaboration with resource persons such as Viswas K V, Sunil Kumar A S, Mr. Vineesh Krishnan, and Mr. Arun Nair, all experts in the field, enriched the learning experience for the participants.

Throughout the Certification Programme, participants engaged in a comprehensive exploration of Primavera P6 Software. The curriculum covered essential aspects of project management, including creating work breakdown structures, defining activities, sequencing tasks, and developing project schedules. Emphasis was placed on practical applications, such as assigning constraints, roles, and resources, analyzing project resources and costs, and executing and controlling projects. The program's extensive course outline, ranging from project initiation to execution and control, aimed to equip participants with industry-relevant knowledge and skills.

Participants not only benefited from the hands-on experience with the software but also received a customized software manual, a valuable industry-standard certification from Primavera, and exposure to real-world project management scenarios. The Certification Programme not only met current industry requirements but also empowered participants with a

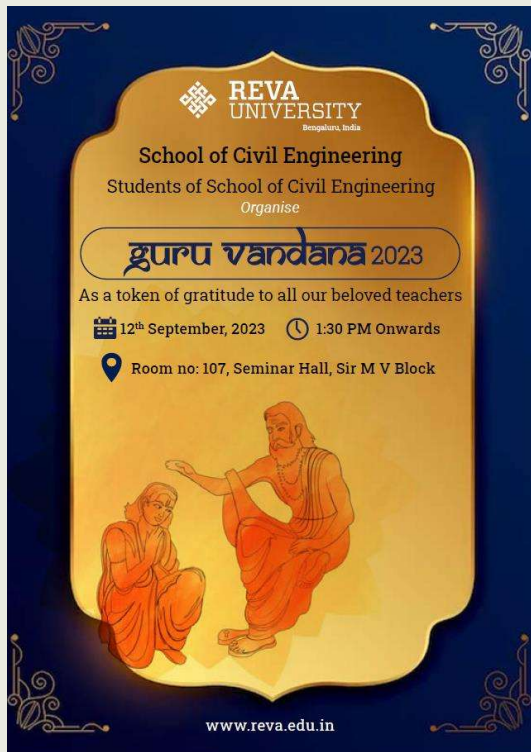
School of Civil Engineering deeper understanding of how the industry operates, making it a commendable endeavour by the School of Civil Engineering in preparing students for successful careers in construction planning and project management.



Guruvandana

In the spirit of Teachers' Day, the School of Civil Engineering at REVA UNIVERSITY organized "Guruvandana" on Saturday, 12th September 2023, from 2:00 PM to 4:30 PM, in Room No. 107 of the Seminar Hall, Sir M.V. Block. This special event, orchestrated by the VOICE Forum in collaboration with the Student Welfare Club, served as a platform for students to express their gratitude to the esteemed faculty members of Civil Engineering.

The program commenced with a warm welcome by Dr. Bhavana B, the Director of the School of Civil Engineering, REVA University. Dr. M A Nagesh and Dr. Harinath shared insightful experiences, underscoring the pivotal role teachers play in shaping students' lives. The occasion was marked by a joyous cake-cutting ceremony, adding to the festive atmosphere. To enhance the celebratory spirit, students organized engaging games like Pictionary and Musical Chairs, creating a memorable and appreciative bond between students and faculty.



School of Civil Engineering Field Visit to Makalidurga Railway Station and SS Ghati Temple

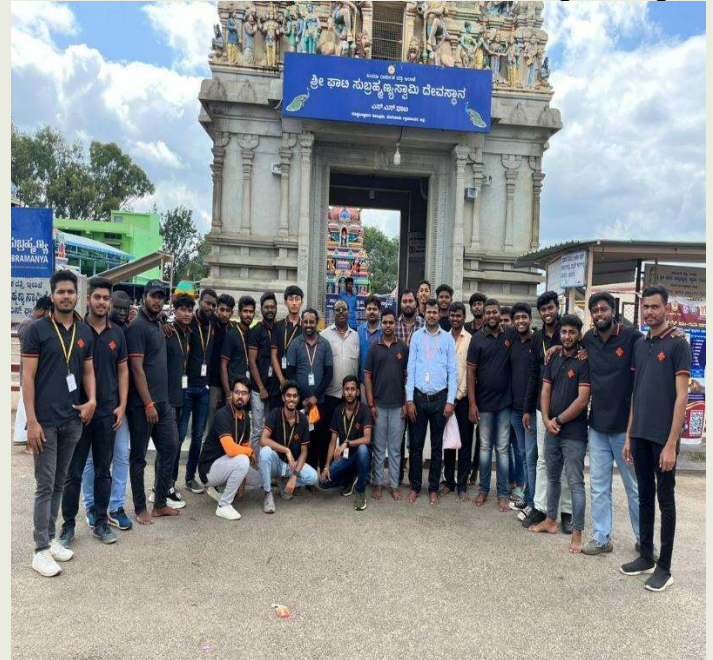
The field visit to Makalidurga Railway Station and SS Ghati Temple, organized on 14th September 2023, proved to be a holistic educational experience for the 130 students from the 5th semester of the School of Civil Engineering at REVA University. Under the guidance of faculty coordinators Prof. Amaranatha GA, Prof. Raveesh J, and Prof Sreenatha M, the visit aimed to achieve specific objectives, including understanding the workings of a railway station, learning about safety measures, appreciating the importance of rail transportation, and gaining insights into track geometry and components.

The Makalidurga Railway Station visit commenced with students observing platform and train operations, providing them with practical knowledge of the day-to-day activities at a railway station. Delving into the components of a railway track, students learned about the critical role of rails, sleepers, ballast, fasteners, turnouts, and signals in ensuring the smooth functioning of the railway system. The exploration of geometric design elements further enhanced their understanding of alignment, superelevation, radius of curvature, gradient, cross-section profile, clearances, and turnout geometry.

The subsequent visit to Sri Subramanya Ghati Temple added a cultural dimension to the educational excursion. The students immersed themselves in the rich traditions of the temple, actively participating in rituals and engaging with the temple priests to understand the historical and architectural significance. The outcomes extended beyond the realm of civil engineering, providing students with spiritual experiences, cultural awareness, and opportunities for personal growth.

In conclusion, the field visit successfully achieved its educational objectives by integrating theoretical knowledge with practical exposure. The engagement with both the railway station and the temple offered a well-rounded educational experience, enriching student's understanding of civil engineering concepts and fostering a deeper appreciation for cultural diversity. The collaboration between faculty coordinators, students, and

the local community contributed to the overall success of the educational excursion.



Engineer's Day Celebrations – 2023

The Engineer's Day celebration on 15th September 2023, at the Kuvempu Auditorium, REVA University, paid homage to the legacy of Dr. Mokshagundam Visvesvaraya, a pioneer in the field of engineering, on his 162nd Birth Anniversary. The School of Civil Engineering, as the host for this annual event, infused the atmosphere with enthusiasm and reverence. The program kicked off at 10:00 AM, presided over by the Honourable Pro Chancellor of REVA University, Shri S Umesh Raju. Notable guests, including Chief Guest Shri R Jaiprasad, Chairman of the Technical Committee at Karnataka Road Development Corporation Ltd, and Guest of Honour Shri Laxmesh Hasanabadi, Vice President & Head of Missiles and Aerospace Business, graced the stage alongside Dr. M. Dhanamjaya, Vice Chancellor, and Dr. N. Ramesh, Registrar of REVA University.

Dr. M Dhanamjaya, in his welcome address, highlighted the profound importance of the occasion, setting the stage for an eventful celebration. The accolade of Best Engineer for the Year 2023 was bestowed upon Chief Guest Shri R Jaiprasad for his outstanding contributions to the engineering domain. Shri Jaiprasad delivered a compelling speech, shedding light on the challenges faced by Dr. Mokshagundam Visvesvaraya and emphasizing the crucial role engineers play in society. Honourable Pro Chancellor Shri Umesh Raju, in his

Presidential Remarks, urged students to embody the virtues of great engineers and contribute meaningfully to societal progress following their graduation.

The celebration was a culmination of recognition, inspiration, and a call to action. Dr. Sudharshan K M, Director of the School of ECE, REVA University, extended gratitude in the vote of thanks. Mrs. Pushpa Lumina, Assistant Professor at the School of Civil Engineering, served as the Master of Ceremony, orchestrating the proceedings seamlessly. The event not only paid tribute to a distinguished engineer but also aimed to ignite a passion for engineering excellence among the students, fostering a commitment to societal development.

