



# ROHINI

**COLLEGE OF ENGINEERING AND TECHNOLOGY**

Approved by AICTE and affiliated to Anna University, (An ISO Certified Institution)

Accredited by NAAC with A+ Grade



## DEPARTMENT OF CIVIL ENGINEERING

### News letter

*CONTRACTOR' 23*

July–December 2023

**VOL.14, ISSUE NO. 14**

## **Department Vision**

**To develop knowledgeable and professionally competent civil engineers and to create ethically skilled students for better contribution to the society.**

## **Department Mission**

**✚ To provide technically valuable education for the development of Civil**

**Professionals**

**✚ To make a platform for the students to explore their potential and critical thinking in research field.**

**✚ To create awareness and spirit of ethical thoughts in societal concerns for professional development.**

## Program Outcomes

PO 1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO 2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO 3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO 4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO 5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO 6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO 7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO 8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO 9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO 10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO 11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO 12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

### PROGRAMME SPECIFIC OUTCOMES (PSOS)

PSO1: Apply and develop basic concepts of civil engineering by inculcating the best practices for solving real time problem through feasible solution and to specialize in various academics

PSO2: Ability to provide interdisciplinary skill to meet the social needs through civil engineering and to develop successful professional career along with strong technical, communication and presentation skill.

PSO3: To apply experimental knowledge, analysis, interpretation of data and information to Civil Engineering problems.

**FOUNDER'S MESSAGE**

**Shri.K.NEELA MARTHANDAN  
CHAIRMAN, RCET**

*I am very glad to know that the students of the Department of CIVIL are bringing out a newsletter to throw light on the activities and achievements of their department. Such activities among the students will enhance their communication skills, technical skills, innovative thinking and knowledge as well. I congratulate the students of department of CIVIL for taking up this task and I wish all the students of CIVIL can have a great future which is ahead*

**PRO CHAIRMAN MESSAGE**

**Dr.N.NEELA VISHNU  
MANAGING DIRECTOR ,RCET**

*It is a great pleasure for me that our CIVIL Engineering department is releasing E- Newsletter "CONTRACTOR". As the Managing Director of Rohini College of Engineering and Technology, I feel proud about it. We have taken an oath that we will develop RCET to world class standard and provide an overall development to all the students.*

**Dr. V.M.BLESSY GEO.,MSC.,PH.D.,  
MANAGING DIRECTOR, ,RCET**

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**PRINCIPAL'S MESSAGE**

**Dr.R.RAJESH**

*It is my pleasure to congratulate the editorial board on this pleasant occasion of releasing the newsletter. It is great to find a considerable number of winners and participants in co-curricular and extracurricular activities which certainly prove that our staff and students are adequately equipped and possess necessary quality skill-sets to bring such laurels to the institution. I wish that this number may grow in the years to come.*

**Head of Department's Message**

**Dr.J.Sahaya Ruben  
HOD /civil ,RCET**

*It gives me immense pleasure to note that response to this newsletter of our department has been overwhelming. The wide spectrum of articles in different sections gives me a sense of pride that our students and professors possess creative potential and original thinking in ample measures. Each article is entertaining, interesting and absorbing. I applaud the contributors for their stimulated thoughts and varied hues in articles contributed by them.*

**Editorial Message**

*It is an occasion of immense pleasure for the Department of CIVIL Engineering to publish the E- Newsletter "CONTRACTOR". This newsletter is a digital way for us to communicate with our students, faculty members, alumni and industrial partners. This newsletter will provide a glimpse of the departmental activities and achievements.*

## Spectra-2K23

Spectra-2K23 was held on 19/10/2023, Er. K. Rajeshwaran, Manager Director, Sree Krishna Construction was the chief guest.. Head of Department Dr. J.Sahaya Ruben introduced the chief guest. Principal Dr. R. Rajesh Delivered presidential address. Chief guest gave a talk on "Recent Trends in Civil Engineering". Students explore their innovative ideas by presenting projects. Students presenting technical papers and various competitions were conducted and prizes were awarded. Ms. Sharmi Pavithra Final Year Civil Engineering student presented vote of thanks

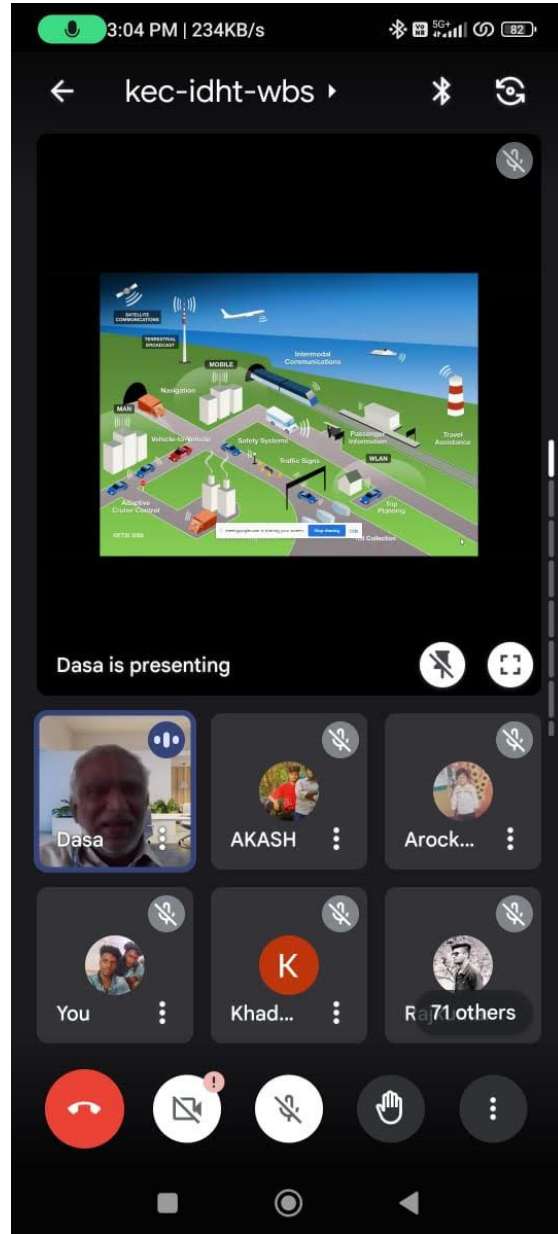


## Guest lecture on intelligent transport system

Rohini College of Engineering and Technology endeavors to provide education and training of consistently high standards through innovative and versatile programmes suitable for the current and emerging needs of the Industry. Department of Civil Engineering has organized and conducted a virtual Guest lecture on "*INTELLIGENT TRANSPORT SYSTEM*" on 20-09-23. The resource person was Dr.Dasarathy AK , Professor/Department of Civil Engineering, JAIN(Deemed to be University). The eminent resource person



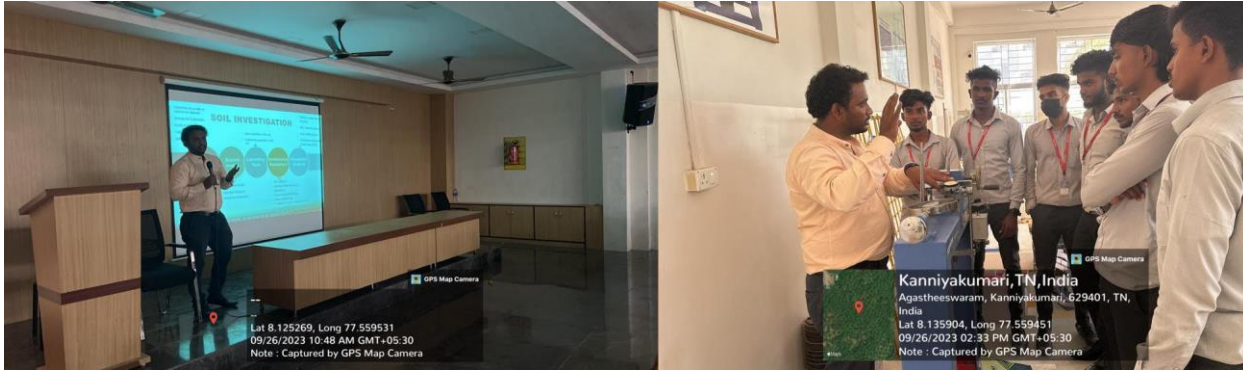
explained about the Intelligent Transport System and its application development with real time demo examples and discussed about the current trends and opportunities in the industries



## One day workshop on special foundation and site exploration techniques for metro and national highway projects

The Department of Civil Engineering of RCET has organized “ONE Day Workshop on *SPECIAL FOUNDATION AND SITE EXPLORATION TECHNIQUES FOR METRO AND NATIONAL HIGHWAY PROJECTS*” on 26.09.2023. Our respected Head of Department Dr.J.Sahaya Ruben started

the program and gave the guest introduction. This program was conducted by Mr.K.Shankar Narayanan, Senior Geotechnical Engineer Varaha Geotechnical works, Rajapalayam. . Morning session he has given the introduction about site exploration testing methods, seismic consideration in the design of special foundation and IS 6403 codes for design, determination of bearing capacity of shallow foundation. Afternoon session hand on trainings on triaxial testing, direct shear test and CBR test was conducted. The program was finally ended by thanking Mr.K.Shankar Narayanan, Head of Department, Faculty members and students to make this program a great success.



## Two days' workshop on structural design of buildings

Department of Civil Engineering organized “Two days workshop on structural design of buildings” for IV year Civil Engineering students at Rohini College of Engineering & Technology on 12th & 13th September 2023. This programme aims to motivate and train the students for getting industrial exposure.

The Inaugural ceremony was arranged in Opulent Hall. Then the presidential address is given by our respected Principal Dr.R.Rajesh. In his presidential address, he gave motivation to students. Our beloved Head of Civil Department Dr.J. Sahaya ruben introduced the resource persons for the programme. This two-day course provides hands-on experience with performing Structural Design of Buildings. At the end of the session, the initiative of Civil Department was highly appreciated by the Principal and Participation Certificates were distributed to the Participants.



## Two days industrial visit:vadipatti highway work,conpro brick industry karnataka,mysore palace for visit architectural works

"Two Days Industrial Visit:Vadipatti Highway Work,Conpro Brick Industry Karnataka,Mysore Palace For Visit Architectural Works" was organised for III year civil department students.Industrial Visit started on 17/08/2023 at 1:00 p.m From Our College. Students visited Vadipatti Highway Construction Site Then Starts Our Journey To Chikmagalur on 18/08/2023.Date(19/08/2023) Reached At Mysore and Went To Conpro Brick industry For Half Day In Karnataka. That's Very Useful For students and Went To Mysore Palace For Visit Architectural Works. Then Return To The College At Evening 6:00pm. It Was Good Experience To the students Know About The Highway, Brick, Stone And Architectural Works in Different Areas.





## Association of Civil Engineering Inauguration

The Department of Civil Engineering Association Inauguration Event, held on August 7, 2023. This event was graced by the presence of distinguished guests, including our esteemed Chief Guest, Er S Zion Stallion, along with the Chairman, Pro Chairman, Managing Director, and Principal of our institution. Their presence added prestige and honor to the occasion, setting the stage for an unforgettable day of celebration and enlightenment. Dr. N Suthan Kumar, the Association Coordinator, took the stage to present an overview of the association's upcoming plans. Her insightful report outlined the direction and vision for the year, sparking anticipation and excitement for the enriching activities to come.



### Alumni Meet 2018-2022 Batch

The Alumni meet was conducted on 18-12-2023 for 201-2023 batch. Pass out students were participated the programme and share their feedback for the development of the college







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We Express Our Heartfelt Gratitude To All Our Stakeholders-  
Students, Faculty, Staff, Parents, Alumni, Employers And Industry Partners