

Rohini College of Engineering and Technology

Near Anjugramam Junction, Kanyakumari Main Road Palakkad, Arjuna, Tamil Nadu 629401

Department of Civil Engineering

NEWS LETTER

July - December ,2019

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Department Vision

To be centre for quality education and research in diverse area of civil engineering, and provide service to nation in terms of nurturing Civil Engineers with a strong social commitment.

Department Mission

M1: To nurture Civil Engineering professionals by providing strong fundamentals and technical skills in civil engineering through effective teaching - learning Methodologies.

M2: To articulate research learning by dissemination of diverse areas of civil engineering in practical applications and undertake professional consultancy services.



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Programme Educational Objectives (PEOs)

PE01: Graduates will demonstrate how to apply fundamental principles of civil engineering to solve engineering problems.

PE02: Graduates will work effectively as individuals and as part of interdisciplinary teams with a sense of social responsibility.

PE03: Graduates shall excel in recent advancements in industry and accomplish professional competence.



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Program Outcomes

Civil Engineering Graduates will be able to:

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



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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.



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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.



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PROGRAMME SPECIFIC OUTCOMES (PSOS)

PS01: 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

PS02: 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.

PS03: To apply experimental knowledge, analysis, interpretation of data and information to Civil Engineering problems.

FOUNDER'S MESSAGE

Shri.K.NEELA MARTHANDAN
CHAIRMAN

ROHINI College of Engineering and Technology

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.



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MANAGING DIRECTOR'S MESSAGE

Dr.N.NEELA VISHNU

MANAGING DIRECTOR

ROHINI College of Engineering and Technology

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. We march towards that goal. We are happy that the students of RCET are properly shaping up, facilitating us to meet our goal. I wish all success to the CIVIL students.

PRINCIPAL'S MESSAGE

Dr.R.RAJESH

PRINCIPAL

ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY

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



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years to come. I am sure that publishing a newsletter of this sort containing the achievements of the RCET family will be a recognition to them. I wish them all the very best for future endeavors.

Head of Department's Message

Dr.J.Sahaya Ruben

HOD /civil

Rohini College of Engineering and Technology

Dear students of the Department of CIVIL Engineering, I am happy with an immense pleasure to convey my message for newsletter. Such activities will help the professional students to begin and pursue their voyage into new realms of knowledge.

On behalf of our students and faculty, it is my privilege to welcome all. We take pride in our faculty, a team of highly capable and dedicated professionals, most of whom have academic and industrial experience and degrees from leading universities of the India. We provide ample opportunities to our faculty and students, through in house trainings, workshops and trainings outside the college campus for further growth and development. The main objective of department of CIVIL Engineering is to conduct competitive research and deliver high quality teaching.



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We want to develop graduate engineers with the skills, knowledge and imagination to help shape our country.

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.

The Editorial board also wants to thanks the Management of the Institute and Head of the department for inspiring us to go forward in publishing this newsletter.

Editorial Board

Prof.N.SUTHAN KUMAR (Editor in chief)

Prof.A.ANANTH(Associate Editor)



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About the Department

The department of Civil Engineering started in 2012 with an initial intake of 60 students to the BE(Civil) programme and increased to an intake of 120 students from 2014. The department offers ME (Construction Engineering and Management) programme from 2013 with an intake of 24 students. The department accommodate outcome-based education which help the student to learn develop and serve to the society. The department has experienced and dedicated faculty with a wide range of specialization in Structural Engineering, Construction Engineering and Management, Environmental Engineering.

The students are provided with lot of opportunities to work on projects and skill development from apart from regular curriculum. The department provide value aided knowledge to nearly 120 under graduates ,24 post graduates. The department has well established laboratory facilities to conduct research work on different specialized areas of Civil Engineering. The students of the departments are joined in reputed industries through placements and some of them are turned to be an entrepreneur. The department has a good network of alumini.



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GUEST LECTURER ON CIVIL ENGINEERING

Guest lecturer was organized by Dept. of Civil Engineering, Dr. Bharathi, Tamilnadu Pollution Control Board inaugurated the event and delivered a thought provoking speech on Study Of Recycling Industrial Effluent, The Environment friendly Construction, Recycling and Reuse Of Building Waste to the students.



The session was made more fruitful. He shared his experience and the opportunities available for the the Environment friendly Construction, Recycling and Reuse of building Waste to the students. She insisted the students on acquiring skills in order to sustain in this competitive world.



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ROHINI
COLLEGE OF ENGINEERING & TECHNOLOGY

Department of Civil Engineering

GUEST LECTURER ON CIVIL ENGINEERING

Guest lecturer was organized by Dept. of Civil Engineering, MJF.LION. Er.P.Justin Paul, Lions Club of Aralvoimozhy. inaugurated the event and delivered a thought provoking speech on Study Of Shared the tactile learning styles to be observed by civil Engineer. He concluded his talk by addressing the students to build skills in aptitude, technical and domain expertise to excel in the career.



The session was made more fruitful. He shared his experience and the opportunities available in Civil Engineering students. He insisted the students on acquiring skills in order to sustain in this competitive world.



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Association of Civil Engineers:

A special guest Er.P.Gopal, MBA, FIV Rtd. Special CHIEF Engineer,PWD was invited for the inauguration of Association of Civil Engineers was held on 18th July 2019 at Rohini college of Engineering and Technology.



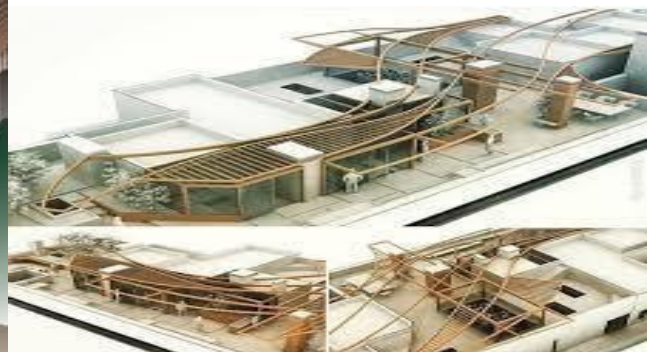
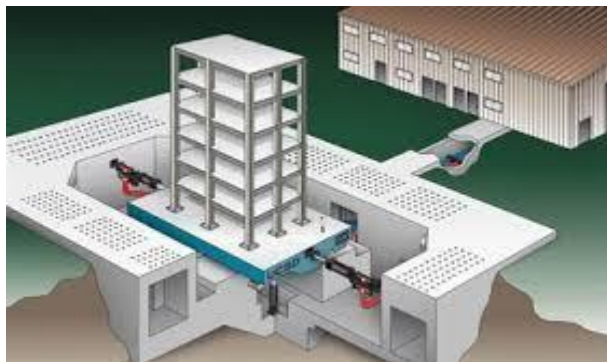
The chief guest delivered a technical talk on Industrial Expectations from Academic Institutions. His talk highlighted about some practical examples on how an organization was bridging the gap between science and disaster risk reduction in different regions of the world.



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Lectures by Industrial Experts:

| Sl.No. | Industrial Expert | Title of the Lecture |
|--------|--------------------------------------|----------------------|
| 1 | Er.Subash, Educad, Nagercoil. | Stadd pro |
| 2 | Mr.Selva raj, Triocad, Nagercoil. | Revit Architechure |





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Industrial Visits:

The department is associated with various government, quasi-government and private industries in the field of Civil Engineering. Our students visit these companies to get a practical exposures to current work practices.

| Sl.No. | Year | Date of Visit | Place of Visit | Scope of Visit |
|--------|------|---------------|-----------------------------|--|
| 1 | II | 06-09-2019 | Munnar Dam & Kochin Harbour | Dam and harbour structures are included in the civil engineering curriculum. |





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List of Awards won by Faculties

| S.No | Name of the Faculty | Organization | Awards Received by Faculties |
|------|---------------------|--|------------------------------|
| 1. | SUTHAN KUMAR N | Rohini College of Engineering and Technology | Outstanding performance |
| 2. | ANANTH A | Rohini College of Engineering and Technology | Outstanding performance |
| 3. | ARTHI SN | Rohini College of Engineering and Technology | Outstanding performance |



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Approved by AICTE and Affiliated to Anna University, (an ISO Certified Institution)

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