



ROHINI
COLLEGE OF ENGINEERING & TECHNOLOGY
(AUTONOMOUS)



Approved by AICTE & Affiliated to Anna University | NBA Accredited for BE (ECE, EEE, MECH)
Accredited by NAAC with A+ Grade

DEPARTMENT OF CIVIL ENGINEERING

CONSTRUCT'25 MAGAZINE

BUILDING TOMORROW'S WORLD TODAY

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ABOUT THE INSTITUTION

Rohini college of Engineering and Technology (RCET) was started in the year 2012 by Shri.K.Neela Marthandan, a great Industrialist and philanthropist and now managing by his son Dr.N.NeelaVishnu. It is located at Palkulam near Anjugramam junction & Kanyakumari, the southernmost town in India. RCET is about 5 kms from the Kanyakumari railway station and 14 kms from Nagercoil junction. RCET is approved by All India Council for Technical Education (AICTE), New Delhi & affiliated to Anna University, Chennai since 2012. Accredited by NAAC with an A+ Grade and NBA accreditation for Mechanical Engineering, ECE and EEE. The institution got autonomous status in the year 2024.

VISION

To be an academic institute of continuous excellence towards education and research in rural regime and provide service to nation in terms of nurturing potentially higher social,ethical and engineering companion graduands.

MISSION

- To foster and promote technically competent graduands by imparting the state of art Engineering education in rural regime.
- To enunciate research assisted scientific learning by dissemination of knowledge towards science, agriculture, industry and national security.

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 faculty members have published more than 50 papers in national/international journals/conference and had written books during the last 5 years and received many awards.

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.

MISSION

- To nurture Civil Engineering professionals by providing strong fundamentals and technical skills in civil engineering through effective teaching - learning Methodologies
- To articulate research learning by dissemination of diverse areas of civil engineering in practical applications and undertake professional consultancy services.



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

PROGRAM OUTCOMES

Civil Engineering Graduates will be able to:

P01. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution to complex engineering problems.

P02. Problem analysis: Identify, formulae, review research literature, and analyse complex engineering problems reaching substantiated conclusion using first principles of mathematics, natural sciences, and engineering sciences.

P03. 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.

P04. 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 conclusion.

P05. Modern tool usage: Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

P06. 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.

P07. 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.

P08. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

P09. Individual and team work: Function effectively as an individual and as a member or leader in diverse teams, and in multi disciplinary settings.

P010. Communications: 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.

P011. 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 in multidisciplinary environments.

P012. Life-long learning: Recognize the needs 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)

PS01: Apply and develop basic concepts of civil engineering by including 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.

ADMINISTRATION



Shri. K. NEELA MARTHANDAN

CHAIRMAN

**ROHINI COLLEGE OF ENGINEERING
AND TECHNOLOGY**

“Education is not just about going to school and getting a degree. It's about widening your knowledge and absorbing the truth about life”

I am very glad to know that the students of the Department of Civil Engineering are bringing out a magazine to throw light on the activities and achievements of their department. Such activities among the students will enhance their communications skills, technical skills, innovative thinking and knowledge as well. RCET has made a tremendous progress in all areas crossing several milestones within a very short span of time. I feel happy to know that the students and faculty of Civil Engineering department of RCET bringing out the technical magazine Construct '25. I congratulate the students of departments of Civil Engineering for taking up this task. On this occasion I convey my good wishes to staff and students of Civil Engineering in their endeavors.

ADMINISTRATION

Dr. N.Neela Vishnu.,MBA.,PhD

PRO-CHAIRMAN

**ROHINI COLLEGE OF ENGINEERING
AND TECHNOLOGY**



"Vision without Mission is merely a dream. Action without vision passes time. Vision with action can change the world"

It is a great pleasure for me that our Civil Engineering department is releasing magazine Construct'25. As the Pro-Chairman of Rohini College of Engineering and Technology, I feel proud about it. I am indeed happy to know that the Civil Engineering department has taken initiative in release the magazine and urge faculties and students to make use of the platform to share and educate among themselves in publishing article pertaining to the emerging domain and articles of interesting. I congratulate the team of department of Civil Engineering and I would like to compliment and congratulate the department of Civil Engineering and its editorial team for the contribution in bringing out the Magazine.

ADMINISTRATION



Dr. V.M. Blessy Geo., MSc., Ph.D

**MANAGING DIRECTOR
ROHINI COLLEGE OF ENGINEERING
AND TECHNOLOGY**

"The Empowered Woman is powerful beyond measure and beautiful beyond Description"

It is a great pleasure for me that our Civil Engineering department is releasing a magazine Construct'25. The magazine is presenting a glimpse of the growth of the institution on many fronts. The essential purpose of a magazine is to inform, engage, inspire, and entertain a diverse leadership including alumni, parents, students, faculty, staff and other friends of the college- by telling powerful stories that present a compelling, timely and honest portrait of the college and its extended family. This magazine has made an earnest attempt in this direction and brought out certain aspects of the college to the eyes of the public so that they may understand and know the college even better. The college has been simply unstoppable in its progress as it has been actively involved in various activities that have brought to light the hidden talents of the college students and staff.

ADMINISTRATION

Dr. R. Rajesh., ME., Ph.D.

PRINCIPAL
ROHINI COLLEGE OF ENGINEERING
AND TECHNOLOGY



“The more that you read, the more things you will know, the more that you learn, the more places you’ll go.”

It gives me immense pleasure and satisfaction in expressing my appreciation to Construct '25 the magazine published by Department of Civil Engineering. I use this opportunity to congratulate all the people who have put in sincere efforts for the efficient functioning of the magazine, especially the Faculty coordinators, Editorial Committee and the Student members. The magazine to showcase its functioning, activities and achievements, but also an incredible platform for our students to exhibit their technical prowess, display their literary skills and pen down their creative thoughts. I sincerely hope that the Magazine keeps up the good work and wish them success in their future endeavors. Stay inspired and scale new heights.

ADMINISTRATION



Dr. J. SAHAYA RUBEN ., ME., Ph.D.

**HEAD OF THE DEPARTMENT
ROHINI COLLEGE OF ENGINEERING
AND TECHNOLOGY**

“Education is one thing no one can take away from you.”

It gives me immense pleasure and satisfaction in expressing my appreciation to Construct '25 the magazine published by Department of Civil Engineering. I use this opportunity to congratulate all the people who have put in sincere efforts for the efficient functioning of the magazine, especially the Faculty coordinators, Editorial Committee and the Student members. The magazine to showcase its functioning, activities and achievements, but also an incredible platform for our students to exhibit their technical prowess, display their literary skills and pen down their creative thoughts. I sincerely hope that the Magazine keeps up the good work and wish them success in their future endeavors. Stay inspired and scale new heights.

ADMINISTRATION

MESSAGE FROM EDITORIAL BOARD







It gives me immense pleasure and satisfaction in expressing my appreciation to Construct '25 the magazine published by Department of Civil Engineering. I use this opportunity to congratulate all the people who have put in sincere efforts for the efficient functioning of the magazine, especially the Faculty coordinators, Editorial Committee and the Student members. The magazine to showcase its functioning, activities and achievements, but also an incredible platform for our students to exhibit their technical prowess, display their literary skills and pen down their creative thoughts. I sincerely hope that the Magazine keeps up the good work and wish them success in their future endeavors. Stay inspired and scale new heights.

THE
EDITORIAL
BOARD



ABOUT FACULTIES





DEPARTMENT FACULTIES AND STAFF

NAME	DEGREE	PHOTO	AREA OF SPECIFICATION	CURRENT DESIGNATION
Dr. J. Sahaya Ruben	ME ., PhD.,		Structural Engineering	Professor & Head
Dr. M. Tamil Selvi	ME ., PhD.,		Structural Engineering	Professor
Dr. N. Suthan Kumar	ME ., PhD.,		Construction Engineering and Management	Associate Professor
Dr. V. Jeyanthi Vineetha	ME ., PhD.,		Structural Engineering	Associate Professor
Dr. R. Rajiv Gandhi	ME ., PhD.,		Structural Engineering	Assistant Professor
Mr. A. Ananth	ME		Structural Engineering	Assistant Professor

ABOUT FACULTIES

NAME	DEGREE	PHOTO	AREA OF SPECIFICATION	CURRENT DESIGNATION
Mr. K. Ajan	ME		Construction Engineering and Management	Assistant Professor
Mrs. Suthamalli	ME		Construction Engineering and Management	Assistant Professor
Mr. L. Hari Gopala Krishnan	ME		Construction Engineering and Management	Assistant Professor
Mrs. R. K. Aswini	ME		Construction Engineering and Management	Assistant Professor
Mrs. R. Reno Infanto	ME		Infrastructure Engineering and Management	Assistant Professor
Mr. R. Xavier	ME		Structural Engineering	Assistant Professor
Mr. Easwara Thayabalan	ME		Structural Engineering	Assistant Professor

ABOUT FACULTIES

NAME	DEGREE	PHOTO	AREA OF SPECIFICATION	CURRENT DESIGNATION
Mr. G. Michel Theivadurai	ME		Structural Engineering	Assistant Professor
B. Sathya	DCE		Civil Engineering	Lab Technician
M. Mohanan Nair	DCE		Civil Engineering	Lab Technician
M. Somasunthari	DCE		Civil Engineering	Lab Technician
T. Ajitha	DCE		Civil Engineering	Lab Technician
G. Manickavasagom Pillai	DCE		Civil Engineering	Lab Technician

“The patience you offer, the guidance you give, and the kindness you model become the quiet cornerstones of a student’s life.”

FACULTY ACHIEVEMENT

PAPER PUBLICATIONS

S. No.	Title of the paper	Journal	Published Month & Year	Vol No	Issue No	Page No	Name of the Author(s)
1	Deep learning-based concrete compressive strength prediction with modified resilient backpropagation training	International Journal of Intelligent Engineering Informatics	July 2024	12	3	276 - 301	M. Adams Joe, J. Sahaya Ruben M. Prem Anand, M. Anand
3	Sustainable Use of Gum Acacia as a Biopolymeric Additive in Ultra-High Performance Concrete	Journal of Environmental Protection and Ecology	July 2024	25	6	2119 - 2132	Dasarathy, Tamil Selvi
3	Sustainable Use of Gum Acacia as a Biopolymeric Additive in Ultra-High Performance Concrete	Advances in civil Engineering	Oct 2024	24	2	1 - 18	Suthan Kumar N, Sahaya Ruben J, Ibsa Neme M.

FACULTY ACHIEVEMENT

NPTTEL COURSES

Name of the Faculty	Title of the course	Credit of the course	Duration of the course	Duration	Status
Dr.J.Sahaya Ruben	Outcome Based Pedagogic Principles for Effective Teaching	2	4 weeks	Feb - Mar 2025	Completed
Dr.J.Sahaya Ruben	Advanced Topics in Science and Technology of Concrete	2	4 weeks	Feb - Mar 2025	Completed
Mr. G. Michel Theivadurai	Advanced Topics in Science and Technology of Concrete	2	4 weeks	Feb - Mar 2025	Completed
Mrs. R. Reno Infanto	Research Methodology	4	8 weeks	Jan - Mar 2025	Completed

FACULTY ACHIEVEMENT

Elite

NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
SAHAYA RUBEN J
for successfully completing the course

Advanced Topics in Science and Technology of Concrete

with a consolidated score of **75** %


Online Assignments	20.75/25	Proctored Exam	54.51/75
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Total number of candidates certified in this course: **280**


Feb-Mar 2025
(4 week course)

Prof. Andrew Thangaraj
Chair
Centre for Outreach and Digital Education, IITM

M. Vignesh
Prof. Vignesh Muthuvijayan
NPTEL Coordinator
IIT Madras

 Indian Institute of Technology Madras

 **swayam**
FREE ONLINE EDUCATION
कोशल भारत - कुशल भारत

Roll No: NPTEL25CE64S452700295 To verify the certificate  No. of credits recommended: 1 or 2

Elite

NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
SAHAYA RUBEN J
for successfully completing the course

Outcome Based Pedagogic Principles for Effective Teaching


with a consolidated score of **70** %


Online Assignments	25/25	Proctored Exam	45/75
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Total number of candidates certified in this course: **1021**

Feb-Mar 2025
(4 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

 Indian Institute of Technology Kharagpur

 **swayam**
FREE ONLINE EDUCATION
कोशल भारत - कुशल भारत

Roll No: NPTEL25GE37S652700260 To verify the certificate  No. of credits recommended: 1 or 2

FACULTY ACHIEVEMENT

Elite



NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)



This certificate is awarded to
MICHEL THEIVADURAI G
for successfully completing the course



Advanced Topics in Science and Technology of Concrete

with a consolidated score of **83** %

Online Assignments	20.75/25	Proctored Exam	62.51/75
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Total number of candidates certified in this course: **280**

Prof. Andrew Thangaraj
Chair
Centre for Outreach and Digital Education, IITM

Feb-Mar 2025
(4 week course)

Prof. Vignesh Muthuvijayan
NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL25CE64S452700488

To verify the certificate



No. of credits recommended: 1 or 2



NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)



This certificate is awarded to
R RENO INFANTO
for successfully completing the course



Research Methodology

with a consolidated score of **50** %

Online Assignments	12.71/25	Proctored Exam	37.37/75
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Total number of candidates certified in this course: **3931**

Prof. Andrew Thangaraj
Chair
Centre for Outreach and Digital Education, IITM

Jan-Mar 2025
(8 week course)

Prof. Vignesh Muthuvijayan
NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL25GE28S344100024

To verify the certificate



No. of credits recommended: 2 or 3

FACULTY ACHIEVEMENT

FACULTY UPSKILLING / TRAINING PROGRAMS

SL. No	Name of the Faculty	Title	Faculty Upskilling / Training Programs	Date
1	Dr. J. Sahaya Ruben	Augmented Reality And Virtual Reality In Engineering Education	AICTE Training and Learning Academy	06/01/2025 – 11/01/2025
		Advanced Technologies For Smart Power Systems	AICTE Training and Learning Academy	10/02/2025 – 15/02/2025
2	Dr. R. Rajiv Gandhi	Geo Technical Investigation and its Applications	Faculty Development Program	24/03/2025 – 29/03/2025
3	Mr. K. Ajan	Leveraging AI For Efficient Thesis Writing: Tools, Techniques & Strategies	Capacity Building Program	10/02/2025 – 14/02/2025
		Sustainable Infrastructure And Disaster Management Pathways To A Resilient Future	Faculty Development Program	17/02/2025 – 22/02/2025
		Sustainable Construction Technology	Faculty Development Program	21/04/2025 – 26/04/2025

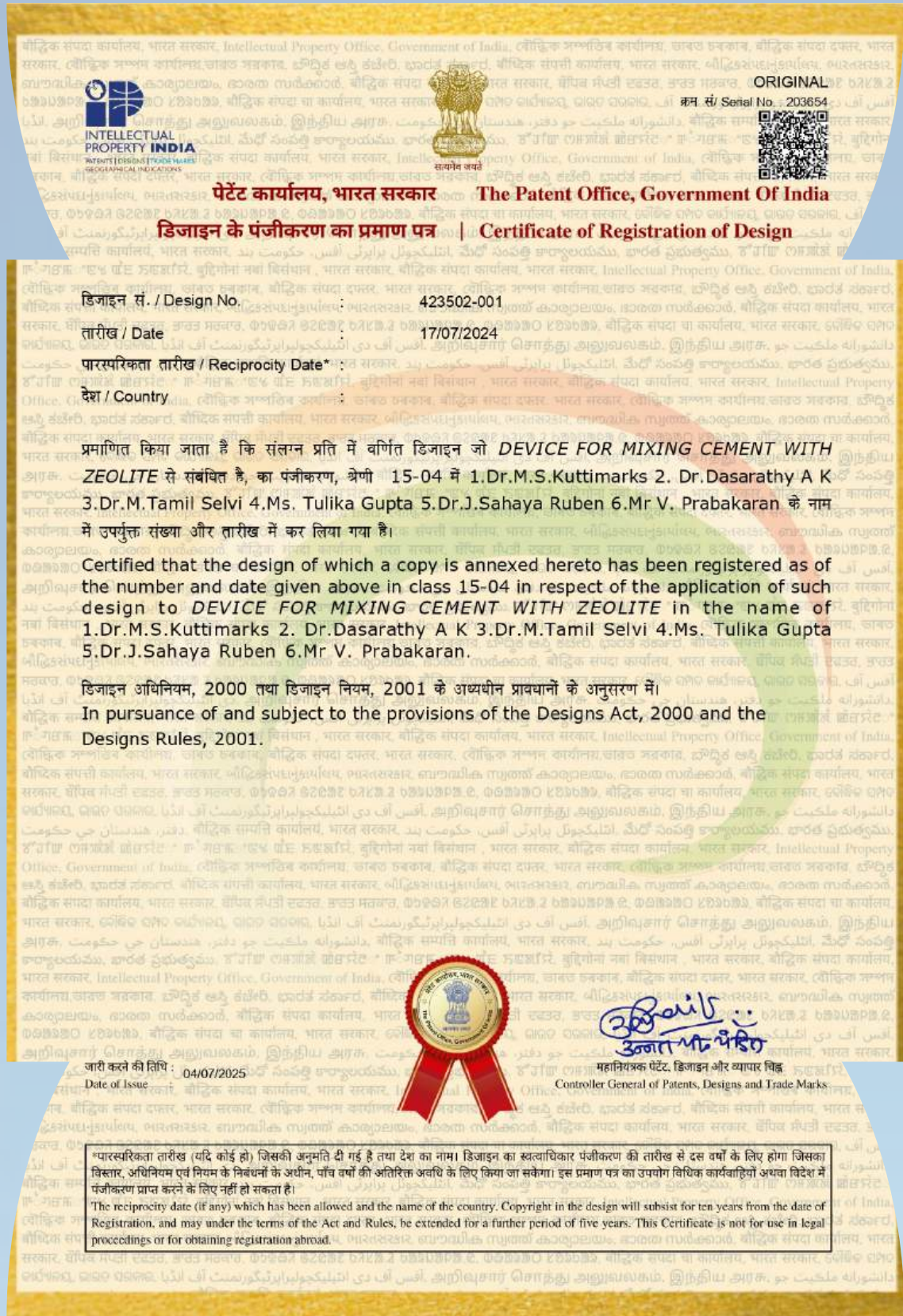
FACULTY ACHIEVEMENT

SL. No	Name of the Faculty	Title	Faculty Upskilling / Training Programs	Date
3	Mrs. R. K. Aswini	Augmented Reality And Virtual Reality In Engineering Education	AICTE Training and Learning Academy	06/01/2025 - 11/01/2025
		Sustainable Infrastructure And Disaster Management Pathways To A Resilient Future	AICTE Training and Learning Academy	17/02/2025 - 22/02/2025

PATENT DETAILS

Name of the Author	Title of the Patent	Application Number	Applied/Published (2025)
Dr. J. Sahaya Ruben Dr. M. Tamil Selvi	Device For Mixing Cement With Zeolite	423502-001	Published
Dr. M. Tamil Selvi	Robot For Construction Inspection And Land Mapping	448375-001	Published

FACULTY ACHIEVEMENT



Device For Mixing Cement With Zeolite

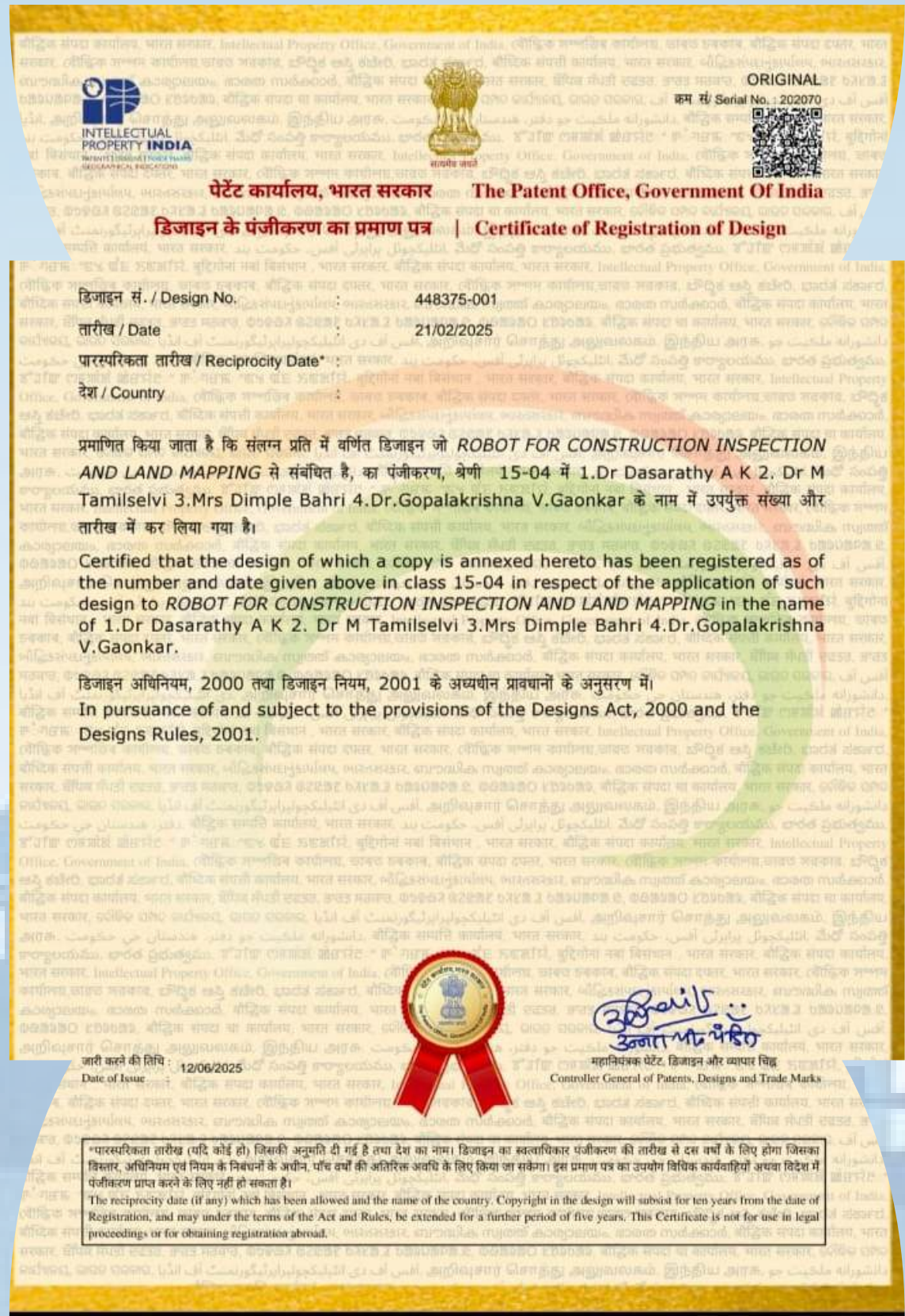
by

**Dr. J. Sahaya Ruben
 Dr. M. Tamil Selvi**

Robot For Construction Inspection And Land Mapping

by

Dr. M. Tamil Selvi



FACULTY ACHIEVEMENT

CONFERENCE DETAILS

ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY DEPARTMENT OF CIVIL ENGINEERING CONFERENCE DETAILS ACADEMIC YEAR CAY 2024-2025				
SL. No	Author	Title	Conference Name	Date of Conference
1	Dr. J. Sahaya Ruben	Cost Efficiency contrast between modular and traditional methods of construction	International Conference on advanced material science (ICAMS2K25)	09-05-2025
2	Dr. M. Tamil Selvi	Experimental study on composite beam shear resistance	12 th International conference on Emerging trends in Engineering and technology (ICETET'25)	04-04-2025 & 05-04-2025
		Utilizing the fill and draw activated sludge for the treatment of hypo sludge waste water	International conference on sustainable aspects in engineering, technology, management and science (ICASSETMS)	22-05-2025 & 23-05-2025

FACULTY ACHIEVEMENT

SL. No	Author	Title	Conference Name	Date of Conference
3	Dr. V. Jeyanthi Vineetha	Experimental investigation on bricks using coconut coir fibre	International conference on sustainable aspects in engineering, technology, management and science (ICASETMS)	22-05-25 & 23-05-2025
		Experimental Investigation of coarse aggregate partially replace with tile waste	International Conference on advanced material science (ICAMS2K25)	09-05-2025
4	Dr. N. Suthan Kumar	Improve the mechanical properties of self compacting concrete with GFRP	International conference on sustainable aspects in engineering, technology, management and Science (ICASETMS)	22-05-25 & 23-05-2025
		Performance of concrete using lemon grass oil industry waste as a partial replacement of cement.	International conference on sustainable aspects in engineering, technology, management and science (ICASETMS)	09-05-2025

ASSOCIATION OFFICE BEARERS

**President : Dr. J. Sahaya Ruben
Professor & Head**



He completed his B.E. in Civil Engineering in 2004 at St. Xavier's Catholic College of Engineering and Technology and obtained his M.E. in Structural Engineering in 2006 from Annamalai University. He finished his PhD in Civil Engineering at Anna University Chennai in 2016. He released 20 research articles in esteemed journals. His research focus on Hybrid concrete, Composite structures, FRP, and concrete Technology.







**Faculty Advisor : Dr. R. Rajiv Gandhi
Assistant Professor**









He completed his B.E. in Civil Engineering in 2011 at CSI Institute of Technology and obtained his M.E. in Structural Engineering in 2013 from CSI Institute of Technology. He finished his PhD in Civil Engineering at Bharath University Chennai in 2025. He released 7 research articles in esteemed journals. His research focus Fiber reinforced concrete, and concrete Technology.

"The greatest leader is not necessarily the one who does the greatest things. He is the one that gets the people to do the greatest things"





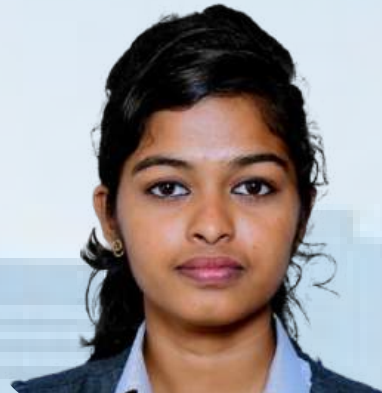

ASSOCIATION OFFICE BEARERS

SL. No	Name	Year	Position	Photo
1	Karthika G	IV CIVIL	General Secretary	
2	Suruthi Sahana M	IV CIVIL	Treasurer	
3	Aju R L	III CIVIL	Joint Secretary	
4	Satyajeet Mutum	IV CIVIL	Executive Member	
5	Madhavan G	IV CIVIL	Executive Member	
6	Selva Kumar P	IV CIVIL	Executive Member	

ASSOCIATION OFFICE BEARERS

SL. No	Name	Year	Position	Photo
7	John Kesavan S	III CIVIL	Executive Member	
8	Frehenza B	III CIVIL	Executive Member	
9	Joel Andrews	II CIVIL	Executive Member	
10	Kabilan N K	IV CIVIL	Industrial Visit Secretary	
11	Gokila Devi T	IV CIVIL	Industrial Visit Secretary	
12	Vishnu Prathab N	III CIVIL	Industrial Visit Secretary	

ASSOCIATION OFFICE BEARERS

SL. No	Name	Year	Position	Photo
13	Issath Ahamed S	II CIVIL	Industrial Visit Secretary	
14	Anushaniya M	IV CIVIL	Seminar Secretary	
15	Ram KishoreB	III CIVIL	Seminar Secretary	
16	Suvetha V S	II CIVIL	Seminar Secretary	
17	Vithya Kumari S H	IV CIVIL	Placement Coordinator	
18	Sherin C S Deno	III CIVIL	Placement Coordinator	

TOPPERS RECOGNITION



KARTHIKA G
9.09 GPA
IV - CIVIL



SATYAJEET MUTUM
9.09 GPA
IV - CIVIL



ATHISHA N
8.70 GPA
IV - CIVIL



RAM KISHORE B
9.13 GPA
III - CIVIL



FREHENZA B
8.87 GPA
III - CIVIL



KAUSIKA M
8.65 GPA
III - CIVIL



LAWRA INFANTSHIYA L
9.09 GPA
II - CIVIL



SUVETHA V
9.00 GPA
II - CIVIL



SUBA INDUMATHI V
8.80 GPA
II - CIVIL

PROJECT DETAILS

<p>Abinash M, Akash P, Ari Hara Sudhan S, Sam Prasath M</p>	<p>Experimental Investigation of Concrete using Agro waste</p>	<p>This project investigates the development of sustainable concrete by partially replacing cement and aggregates with agro waste materials. The objective is to reduce the environmental footprint of construction practices while maintaining strength and durability. Specimens are cast, cured, and tested for compressive strength, density, and durability. The expected outcome is an eco-friendly, cost-effective, and sustainable concrete mix suitable for modern construction applications.</p>
<p>Dhanushiya R, Gokila Devi T, Karthika G, Suruthi Sahana M</p>	<p>Proposed Drainage Facilities In Panchalingapura m Village Panchayat By Using Topographical Survey And Rainfall Analysis</p>	<p>This project focuses on proposing suitable drainage facilities through topographical survey and rainfall analysis. The survey helps in preparing contour maps and identifying low-lying areas, while rainfall data is analyzed to determine peak runoff. Based on these results, drain alignment, size, and slope are designed to ensure smooth stormwater flow. The proposed system aims to prevent flooding, improve sanitation, and support sustainable village development.</p>
<p>Mahesh S, Md Tarique Hassan, Satyajeeet Mutum, Sorokhaibam Lucky</p>	<p>Utilisation of rubber waste in ECC(Engineered Cementitious Composite) for sustainable construction</p>	<p>The disposal of rubber wastes is a challenge due to the adverse effects it has on the environment. This project focuses on utilising these rubber wastes in ECC (Engineered Cementitious Composite) for a sustainable approach to construction. The rubber waste is integrated into the ECC mix as a partial replacement for fine aggregate at dosages of 5,6,7 & 8%. Some components of the traditional ECC are replaced with locally available materials. The goal of this project is to determine the feasibility of utilising rubber waste in ECC thereby providing an alternative solution to disposal of rubber waste.</p>
<p>Akash M, Jeba Pravin G, Jerish Raja Kiruba S, Naga Arjun S</p>	<p>Study of Risk Assessment on open dumping of solid waste management in Agastheeswaram Taluk</p>	<p>Open dumping of solid waste is a major environmental concern in Kanyakumari District, affecting water quality, public health, and ecosystems. This study assesses the risks associated with solid waste disposal in Agastheeswaram Taluk through questionnaire survey and basic water quality analysis. The waste accumulated places in uncontrolled manner posses serious groundwater quality related problems and thereby health risks for the people. The risk characterization is to be using software for impact analysis. Spatial Analysis and Decision Assistance uncontrolled manner posses.</p>

PROJECT DETAILS

<p>Dinesh M, Rathish Moon R, Selvakumar P</p>	<p>Experimental investigation of palmyra fiber for the manufacturing of cement brick</p>	<p>This experimental investigation focuses on the utilization of palmyra fiber as a reinforcing material in the manufacturing of cement bricks to enhance their mechanical and durability properties. Palmyra fiber, a natural and eco-friendly material abundantly available in tropical regions, possesses good tensile strength and resistance to decay, making it a potential substitute for synthetic fibers in construction materials. In this study, cement bricks were cast by partially replacing cement with palmyra fiber in varying proportions by weight. The primary objective was to evaluate the effects of fiber inclusion on the compressive strength, water absorption, and density of the bricks. The results indicated that the addition of an optimum percentage of palmyra fiber significantly improved the tensile and impact resistance of the bricks while maintaining acceptable compressive strength and reducing brittleness. Moreover, the use of palmyra fiber contributes to sustainability by utilizing agricultural waste and reducing cement consumption. This study demonstrates that palmyra fiber-reinforced cement bricks can be a cost-effective, durable, and eco-sustainable alternative for conventional construction materials, promoting green building practices and waste utilization.</p>
<p>Athi Lakshmi S, Rebin R, Stebin J, Vithya Kumari S H</p>	<p>Sustainable Waterbody Restoration and Flood Resilience Enhancement Behind Special Care Trust</p>	<p>The proposed project aims to restore the polluted waterbody behind the Special Care Trust and enhance flood resilience in the surrounding area. The site is currently facing severe challenges such as waste dumping, open burning of solid waste, and direct discharge of hand wash and bathing water into the river. These practices cause water pollution, health hazards, and increase the risk of flood blockages. The increasing contamination of surface water bodies due to uncontrolled discharge of greywater and solid waste has become a major environmental concern. The study area, located behind the Special Care Trust, is facing dual challenges of waterbody pollution and flood vulnerability. Greywater from daily activities such as hand washing and bathing directly enters the river, while indiscriminate waste disposal along the banks further deteriorates water quality. Additionally, the area is highly prone to flooding during heavy rainfall, which intensifies the risk to both the environment and nearby communities.</p>

PROJECT DETAILS

<p>Mathavi V, Sumithra M, Thubika S</p>	<p>An Experimental Study On The Partial Substitution Of Marble Powder And Walnut Shell For Cement Concrete And Coarse Aggregate</p>	<p>This experimental study investigates the feasibility of using marble powder and walnut shell as sustainable substitutes for cement and coarse aggregates in concrete production. The results show that marble powder can be used as a partial replacement for cement up to 20% without compromising the compressive strength of concrete. Walnut shell can be used as a partial replacement for coarse aggregates up to 30% without compromising the compressive strength of concrete.</p>
<p>Arun A, Deepu R, Sivan S, Tamil Raja P</p>	<p>Performance Appraisal of "Gum Neem" as a Bio polymeric concrete Additive in high performance concrete</p>	<p>This research focuses on the performance appraisal of Gum Neem, a natural biopolymer derived from the Neem tree, as an additive in High Performance Concrete (HPC). The study examines its effect on mechanical and durability properties such as compressive, split tensile, and flexural strength. Gum Neem, when added in optimum proportions, improves workability and enhances the bond between cement particles due to its polymeric nature. The results indicate a notable increase in strength and reduction in water permeability. The bio-additive also contributes to better microstructure development in the concrete matrix. By replacing conventional chemical admixtures, Gum Neem promotes environmental sustainability. Hence, it can be effectively utilized as a green and economical modifier in high-performance concrete applications.</p>
<p>Anushaniya M, Aswini R, Iswariya P, Rakini E</p>	<p>An experimental study on examine the partial replacement of crumb rubber for coarse aggregate in concrete</p>	<p>This study reviews the feasibility of using waste tyres in the form of chips with different sizes in concrete to improve the strength as well as protecting the environment. The aim of this study is achieved to use of rubber waste as partial replacement of coarse aggregate to produce rubberized concrete in M20 mix. The strength of concrete with partial replacement of waste tyre rubber chips at various percentages had been investigated. Compression and split tensile strength tests were carried out for four different percentage of rubber chips say, 0%, 2%, 4% and 6% at 7 days, 14 days and 28 days curing period.</p>

PROJECT DETAILS

<p>Akash E, Chandru J, Kabilan N K, Madhavan G</p>	<p>Agave Fiber Reinforced Concrete</p>	<p>•Agave Fiber Reinforced Concrete is an innovative, eco-friendly construction material that incorporates natural agave plant fibers as reinforcement in the concrete mix. Traditional concrete production contributes significantly to environmental pollution due to high CO₂ emissions and the use of non-renewable resources. Agave fibers, being renewable, biodegradable, and locally available in many arid regions, provide a sustainable alternative to synthetic fibers. Incorporating these fibers improves the tensile strength, crack resistance, and durability of concrete while reducing its overall weight and carbon footprint. This presentation explores the composition, advantages, challenges, and practical applications of agave fiber concrete, supported by research findings. The study highlights its potential in sustainable construction, especially for low-cost housing, pavements, and eco-friendly structures, while identifying areas for further research and development.</p>
<p>Abinaya B, Ajitha S, Pavishma G, Sarming R</p>	<p>Design and Assessment of Vegetative Soil Erosion in Slope Terrain</p>	<p>This study focuses on the design and assessment of vegetative soil erosion control measures in sloped terrain. Vegetative methods, including the use of grass cover, shrubs, and geo-vegetative mats, were analyzed for their effectiveness in reducing surface runoff and soil loss. Experimental and field observations highlight that vegetation significantly improves soil stability by reinforcing root structures and enhancing water infiltration. The research also evaluates slope geometry, soil type, and rainfall impact on erosion rates. Results indicate that vegetative techniques provide a cost-effective and eco-friendly alternative to conventional erosion control methods. The study concludes that properly designed vegetative cover not only minimizes erosion but also promotes ecological balance and long-term slope sustainability.</p>

EXPERT TALK AND EVENTS

SL. NO	NAME OF THE EVENT	DATE	BENEFICIARY
1	LIVIC 2024	11-11-2024	All Students
2	Two-day hands-on workshop on total station and GPS	10-07-2025 & 11-07-2025	II year
3	Two-Day Workshop on Building Planning and Scientific Vaasthu	10-07-2025 & 11-07-2025	III year
4	Association inauguration-25-26 Chief Guest: Dr. D. Satheesh Herbert Singh	25-07-2025	All Students
5	ONAM 2025	30-08-2025	All Students
6	One-Day Workshop on structural detailing essentials- drafting to execution	01-09-2025	IV CIVIL
7	One-Day Workshop on ETABs for high-rise and building structures	09-09-2025	III year
8	SPECTRA 2025	12-09-2025	All Students
9	One-Day Workshop on Architectural Design with Revit : Concepts to Construction	15-09-2025	II year
10	One-Day Workshop on ETABs for high-rise and building structures	22-09-2025	II year
11	Pooja Celebration 2025	27-09-2025	All Students

EXPERT TALK AND EVENTS

LIVIC' 24



The Association of LIVIC of the Department of Civil Engineering successfully organized CINFRA'24, a National Level Technical Symposium, on 11th November 2024. The event served as an energetic platform for aspiring civil engineers from various institutions to showcase their technical talents, creativity, and innovative spirit.

A series of exciting technical events such as Paper Presentation, Technical Connection, Bridge Making, CAD Modelling, and Code Cracking challenged participants to apply their engineering knowledge and problem-solving skills. To add a fun and engaging dimension, several non-technical events like Play with BGM, Ball on the Basket, Pyramid Making, Photography, and Blow the Ball were also conducted, creating a vibrant and lively atmosphere throughout the day.

EXPERT TALK AND EVENTS

ASSOCIATION INAUGURATION 2025-2026



The inauguration of “ASSOCIATION OF CIVIL ENGINEERS” was held at Rohini College of Engineering Technology, Kanyakumari on 25-07-2025. The chairman, Shri. Neela Marthandan, the Pro Chairman Dr. N. Neela Vishnu, the managing director Dr. Blessy Geo, and the principal, Dr. R. Rajesh, presided over the function. A special guest Dr. D. Satheesh Herbert Singh well expertise in hydrogeology, remote sensing, GIS, structural geology and surveying was invited for The respected principal, addressed the students on the importance of outlining a road map in order to reach the goal successfully. The head of the department Dr. J. Sahaya Ruben introduced the chief guest and the office bearers. The special guest motivated the students to work hard and build career. In the chief guest address, he shared his own experience as well as a recent job opportunity in the civil field. It was a wonderful experience for our students to get information about the civil industries for their future jobs. The office bearers are introduced in this occasion. The guest was honored for his valuable guidance and the event ended with vote of thanks and national anthem.

EXPERT TALK AND EVENTS

SPECTRA' 25



The Association of LIVIC of the Department of Civil Engineering organized SPECTRA'25 on 12th September 2025, showcasing the talent, creativity, and technical skills of budding civil engineers. The event featured a Workshop on 3D Printing in Construction by Er. K. AUGUSTIN RAJ, CAD CAM Engineer, Center Manager, CAD Point offering students hands-on exposure to emerging construction technologies. Exciting technical events such as Bridge the Gap, CAD Design Challenge, Surveying Master Challenge, Concrete Cube Testing Contest, Green Building Idea Pitch, and Mini Project Exhibition brought innovation to life. Adding a creative touch, a drama titled "The Life of a Civil Engineer on Site" captivated the audience with its realistic portrayal of engineering life. SPECTRA'25 was a vibrant platform that encouraged learning, teamwork, and innovation, reflecting the department's dedication to nurturing future-ready engineers.

EXPERT TALK AND EVENTS

ONAM CELEBRATION' 25



The Department of Civil Engineering celebrated Onam with great enthusiasm on 30th August 2025. The highlight of the celebration was the beautifully arranged Pookalam (floral decoration) created by the students, symbolizing unity, joy, and cultural pride.

The vibrant floral patterns reflected the spirit of Onam and brought a festive charm to the department premises. The event served as a simple yet meaningful expression of togetherness, showcasing the students' creativity and love for tradition.

EXPERT TALK AND EVENTS

POOJA CELEBRATION' 25



The Department of Civil Engineering observed the Pooja Celebration with devotion and enthusiasm on 27th September 2025. The occasion was marked by a simple yet graceful Pooja ceremony, creating an atmosphere of positivity and togetherness within the department.

Students and faculty members came together to offer prayers and seek blessings for knowledge, harmony, and success. The celebration reflected the department's unity and respect for tradition, adding a spiritual touch to the academic environment.

EXPERT TALK AND EVENTS

TWO-DAY HANDS-ON WORKSHOP ON TOTAL STATION AND GPS



II year Civil

10/07/2025 & 11/07/2025

The Department of Civil Engineering successfully organized a Two-Day Hands On Workshop on Total Station and GPS on 10.07.2025 & 11.07.2025 for all Second Year Students, aimed at enhancing practical knowledge and technical skills in modern surveying instruments among students and professionals.

The workshop was conducted on campus and included both theoretical sessions and intensive field exercises. Participants were introduced to the latest surveying equipment and technologies used in civil engineering practices.

EXPERT TALK AND EVENTS

TWO-DAY WORKSHOP ON BUILDING PLANNING AND SCIENTIFIC VAASTHU



III year Civil

10/07/2025 & 11/07/2025

The Department of Civil Engineering organized a Two-Day Workshop on Building Planning and Scientific Vaasthu on 10.07.2025 & 11.07.2025 for all Third Year Students to enrich participants' understanding of sustainable and harmonious building design principles.

The workshop focused on the integration of modern building planning techniques with the traditional principles of Scientific Vaasthu Shastra, aiming to promote architectural designs that ensure structural efficiency, environmental harmony, and occupant well-being.

EXPERT TALK AND EVENTS

ETABS FOR HIGH-RISE AND BUILDING STRUCTURES

The Department of Civil Engineering organized a series of One-Day Hands-on Workshops on ETABS, a powerful structural analysis and design software for students of different academic years. The sessions were held on September 1st for Final Year, September 9th for III Year, and September 22nd for II Year Civil Engineering students



IV year Civil

01/09/2025

III year Civil

09/09/2025



EXPERT TALK AND EVENTS

ETABS FOR HIGH-RISE AND BUILDING STRUCTURES



22/09/2025

II year Civil

The workshop aimed to bridge the gap between classroom concepts and professional design practices. Students gained practical exposure to analyzing and designing high-rise and building structures using ETABS, exploring various load conditions, material properties, and design parameters. Each session was filled with interactive demonstrations, real-time modelling, and guided exercises that allowed participants to understand how modern software revolutionizes structural design. This initiative by the Civil Engineering Department empowered students with industry-relevant technical skills and inspired them to approach structural engineering with innovation and precision. By mastering ETABS, the young engineers took a confident step toward becoming the designers of tomorrow's skylines.

EXPERT TALK AND EVENTS

ARCHITECTURAL DESIGN WITH REVIT : CONCEPTS TO CONSTRUCTION



22/09/2025

II year Civil

The workshop aimed to bridge the gap between classroom concepts and professional design practices. Students gained practical exposure to analyzing and designing high-rise and building structures using ETABS, exploring various load conditions, material properties, and design parameters. Each session was filled with interactive demonstrations, real-time modelling, and guided exercises that allowed participants to understand how modern software revolutionizes structural design. This initiative by the Civil Engineering Department empowered students with industry-relevant technical skills and inspired them to approach structural engineering with innovation and precision. By mastering ETABS, the young engineers took a confident step toward becoming the designers of tomorrow's skylines.

INDUSTRIAL VISIT

SL. NO	SITE OR INDUSTRY	DATE	BENEFICIARY
1	Industrial Visit to Mathur Aqueduct	14-07-2025	II year
2	Industrial Visit to Water Treatment Plant in Nagercoil	14-07-2025	III year
3	Industrial Visit to Mahasreevari Food Industries Pvt, Trivandrum	11-08-2025	IV CIVIL
4	Industrial Visit to Water in Pothayadi Flyover	13-08-2025	III year
5	Two days Industrial Visit to Munnar and Cochin	18-09-2025 & 19-09-2025	II year
6	Three days Industrial Visit to Munnar, Vagamon and Cochin	18-09-2025 to 20-09-2025	III year

INDUSTRIAL VISIT

MATHUR HANGING TROUGH AQUEDUCT



14/07/2025

II year Civil

Second year students from Civil Department had the opportunity to explore one of Asia's tallest and oldest aqueducts — the Mathur Hanging Trough Aqueduct on 14.07.2025, located in the scenic Kanyakumari District of Tamil Nadu. Constructed in 1966, this iconic structure continues to serve its original purpose while standing as a testament to brilliant civil engineering.

- **Understand the structural design and material use in large-span aqueducts**
- **Learn about gravity-based water conveyance without modern machinery**
- **Observe a legacy irrigation system still in operation**
- **Examine how heritage infrastructure can serve dual roles**

INDUSTRIAL VISIT

WATER TREATMENT PLANT IN NAGERCOIL



14/07/2025

III year Civil

On 14.07.2025 our civil department III year students visited the Water Treatment Plant in Nagercoil to observe and learn about the processes involved in treating raw water to make it safe for consumption. The visit provided hands-on insight into key stages such as coagulation, sedimentation, filtration, and disinfection. We saw how chemicals like alum and chlorine are used to remove impurities and kill pathogens, and observed the operation of sedimentation tanks, filters, and quality testing procedures. The plant combines traditional and modern techniques, ensuring efficient water purification for the local community. This visit enhanced our understanding of water treatment technologies, water quality standards, and the critical role of clean water in public health.

INDUSTRIAL VISIT

MAHASREEVARI FOOD INDUSTRIES PVT, TRIVANDRUM



11/08/2025

IV year Civil

On 11th August 2025, the IV Year Civil Engineering students of the Department of Civil Engineering visited Mahasreevari Food Industries Pvt. Ltd., Trivandrum, as part of their industrial exposure program. The visit aimed to provide students with a practical understanding of industrial construction practices, material handling, and infrastructure layout within a functional production environment.

During the visit, students observed various aspects of industrial building design, utility planning, and safety management implemented in the facility. They also gained insights into the structural requirements and engineering challenges involved in setting up large-scale industrial units. The interaction with on-site engineers and technical experts helped bridge the gap between theoretical learning and real-world applications.

INDUSTRIAL VISIT

POTHAYADI FLYOVER



13/08/2025

III year Civil

On 13th August 2025, the III Year Civil Engineering students of the Department of Civil Engineering visited the Pothayadi Flyover, Box Jacking Passage, and Prefabricated Construction Site as part of their industrial visit program. The objective was to expose students to modern construction technologies and real-time project execution.

Students gained practical knowledge of flyover construction techniques, including reinforcement detailing and concreting processes. At the Box Jacking Passage site, they observed the innovative method of installing underpasses without interrupting road traffic. The Prefabricated Construction site further demonstrated the efficiency of precast structures in saving time and ensuring quality.

INDUSTRIAL VISIT

MUNNAR AND COCHIN



18-09-2025 &
19-09-2025

II year Civil

The Second Year Civil Department Students organized a Two-Day Industrial Visit to Munnar and Cochin, providing students with both technical exposure and memorable experiences. The trip included visits to Vagamon, covering spots like Idukki Dam Backside Tunnel, View Point, Pine Forest, Shooting Point, Thangalpara, and Kurishmala. In Munnar, students explored Top Station, Eco Point, Mattupetty Dam, Rose Garden, and enjoyed the DJ Fire event.

The visit concluded in Kochi, where students participated in an industrial visit, followed by boating and a visit to Lulu Mall. The trip enriched students' understanding of infrastructure and environmental engineering, while fostering teamwork and practical learning beyond the classroom.

INDUSTRIAL VISIT

MUNNAR , VAGAMON AND COCHIN



**18/09/2025
- 20/09/2025**

III year Civil

The Third Year Civil Department Students organized a three-day industrial visit to Munnar, Vagamon, and Cochin, providing students with practical exposure to real-time construction activities and modern engineering practices. The team visited a multistoried hotel project near Senkulam Dam, Anachal, Munnar, where they observed on-site construction processes. Students also explored scenic and structural landmarks such as Mattupetty Dam, Top Station, Pine Forest, Thangalpara, and Kurishmala.

In Cochin, the visit included an industrial site visit, boating at Marine Drive, and a refreshing evening at LuLu Mall. The trip combined learning with leisure, helping students connect classroom concepts with field applications while creating lasting memories.

INTERSHIP

During the summer vacation, students of the Civil Engineering Department actively participated in industrial training programs at reputed organizations to gain practical exposure to modern construction and infrastructure practices. These training sessions provided valuable opportunities for students to bridge theoretical knowledge with real-world applications in the field of civil engineering.

YEAR	NUMBER OF STUDENTS UNDERGONE TRAINING
II Year	45
III Year	27
IV Year	45

“The only way to do great work is to love what you do. If you haven’t found it yet, keep looking. Don’t settle. As with all matters of the heart, you’ll know when you find it.”

INTERSHIP

COMPANY	NUMBER OF STUDENTS UNDERGONE TRAINING
IREL Limited	12
Ideal Engineering Constructions	10
Kirishanthini Constructions Pvt Ltd	10
Habriq Cnstructions	9
PWD - Water Resource Department of Irrigation Section	7
PWD - Water Resource Department of Irrigation Section	7
Sai Krishna Construction	6
N.P. Patel & Co	5
Rural Development and Panchayat Department	4
Level Up Consulting Services	4
Sree Krishna Constructions	4

INTERSHIP



PLACEMENT

REGISTER NUMBER	STUDENT NAME	COMPANY NAME
963322103002	ABINASH T	Besten Engineers & Consultants India Private Limited, Chennai
963322103008	AKASH P	Besten Engineers & Consultants India Private Limited, Chennai
963322103013	ASWINI R	Besten Engineers & Consultants India Private Limited, Chennai
963322103014	ATHI LAKSHMI S	Besten Engineers & Consultants India Private Limited, Chennai
963322103022	GOKILA DEVI T	Besten Engineers & Consultants India Private Limited, Chennai
963322103045	REBIN R	Besten Engineers & Consultants India Private Limited, Chennai
963322103046	SAM PRASATH M	Besten Engineers & Consultants India Private Limited, Chennai
963322103047	SARMING R	Besten Engineers & Consultants India Private Limited, Chennai
963322103055	SURUTHI SAHANA M	Besten Engineers & Consultants India Private Limited, Chennai
963322103057	THANSI S	Besten Engineers & Consultants India Private Limited, Chennai

PLACEMENT

REGISTER NUMBER	STUDENT NAME	COMPANY NAME
963322103006	AKASH E	Prime Meridian Surveys Private Limited, Chennai
963322103007	AKASH M	Prime Meridian Surveys Private Limited, Chennai
963322103011	ARUN A	Prime Meridian Surveys Private Limited, Chennai
963322103016	CHANDRU J	Prime Meridian Surveys Private Limited, Chennai
963322103017	DEEPU R	Prime Meridian Surveys Private Limited, Chennai
963322103026	JERISH RAJA KIRUBA S	Prime Meridian Surveys Private Limited, Chennai
963322103030	MADHAVAN G	Prime Meridian Surveys Private Limited, Chennai
963322103031	MAHENDRAN A	Prime Meridian Surveys Private Limited, Chennai
963322103034	MD TARIQUE HASSAN	Prime Meridian Surveys Private Limited, Chennai
963322103036	NAGA ARJUN S	Prime Meridian Surveys Private Limited, Chennai

PLACEMENT

REGISTER NUMBER	STUDENT NAME	COMPANY NAME
963322103041	RAJA SURIYA V	Prime Meridian Surveys Private Limited, Chennai
963322103044	RATHISH MOON R	Prime Meridian Surveys Private Limited, Chennai
963322103048	SATYAJEET MUTUM	Prime Meridian Surveys Private Limited, Chennai
96332210349	SELVA KUMAR P	Prime Meridian Surveys Private Limited, Chennai
963322103056	TAMIL RAJA P	Prime Meridian Surveys Private Limited, Chennai

“Congrats on this next step in your career and all the growth, connections and opportunities that come with it.”



STUDENTS ACHIEVEMENT

NPTTEL COURSE

Name of the Student	Title of the course	Credit of the course	Duration of the course	Duration	Status
Kausika M	Advanced Topics in Science and Technology of Concrete	2	4 weeks	Feb - Mar 2025	Completed
Sherin C S Deno	Advanced Topics in Science and Technology of Concrete	2	4 weeks	Feb - Mar 2025	Completed

STUDENTS ACHIEVEMENT



Elite NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)



This certificate is awarded to

M KAUSIKA

for successfully completing the course



Advanced Topics in Science and Technology of Concrete

with a consolidated score of **65** %

Online Assignments	20.67/25	Proctored Exam	44/75
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Total number of candidates certified in this course: **280**

Prof. Andrew Thangaraj
Chair
Centre for Outreach and Digital Education, IITM

Feb-Mar 2025

(4 week course)

Prof. Vignesh Muthuvijayan
NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL25CE64S452700298

To verify the certificate



No. of credits recommended: 1 or 2



Elite NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)



This certificate is awarded to

SHERIN C S DENO

for successfully completing the course



Advanced Topics in Science and Technology of Concrete

with a consolidated score of **62** %

Online Assignments	20.67/25	Proctored Exam	41/75
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Total number of candidates certified in this course: **280**

Prof. Andrew Thangaraj
Chair
Centre for Outreach and Digital Education, IITM

Feb-Mar 2025

(4 week course)

Prof. Vignesh Muthuvijayan
NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL25CE64S448800032

To verify the certificate



No. of credits recommended: 1 or 2

STUDENTS ACHIEVEMENT

CONFERENCE



Frehenza B, III year from the Department of Civil Engineering, has participated in INFUSE – 2025, an International Conference on Frontiers of Unified Science and Technology, held at JAIN (Deemed-to-be University).



STUDENTS ACHIEVEMENT

SPORTS



Aju R L, from Third Year Civil Department Rohini College of Engineering and Technology, showcased an exceptional performance in the U-23 Inter College District Championship held at Konam Polytechnic College Ground. In the exciting match between Rohini College and CSI College, Aju's remarkable play earned him the prestigious Man of the Match award. His achievement highlights the college's commitment to promoting sportsmanship, teamwork, and excellence beyond academics.

STUDENTS ACHIEVEMENT

TECHNICAL EVENTS

NAME	COLLEGE NAME	EVENTS	ACHIEVEMENT
Athi Lakshmi S	VV College of Engineering and Technology	Tech Quiz	1 st Prize
Karthika G	VV College of Engineering and Technology	Tech Quiz, Tech Connections	1 st Prize
Vithya Kumari S H	VV College of Engineering and Technology	Tech Quiz	1 st Prize
Akash E	Sethu Institute of Technology	Tech Quiz, Photography	Participated
Arun A	Sethu Institute of Technology	Tech Quiz, Photography	Participated
Dinesh M	Sethu Institute of Technology	Tech Quiz, Photography	Participated
Madhavan G	Sethu Institute of Technology	Tech Quiz, Photography	Participated
Tamil Raja P	Sethu Institute of Technology	Tech Quiz, Photography	Participated

STUDENTS ACHIEVEMENT

TECHNICAL EVENTS

NAME	COLLEGE NAME	EVENTS	ACHIEVEMENT
John Kesavan S	Shivanthi Aathithanar College of Engineering	CAD Modelling	1 st Prize
Ram Kishore B	Shivanthi Aathithanar College of Engineering	CAD Modelling	2 nd Prize
Frehenza B	Shivanthi Aathithanar College of Engineering	Paper Presentation	3 rd Prize
John Kesavan S	PSN Engineering College	Tech Connections	1 st Prize
Ram Kishore B	PSN Engineering College	Tech Quiz	1 st Prize
Frehenza B	PSN Engineering College	Paper Presentation	2 nd Prize
Vibin Kumar N	PSN Engineering College	Photography	2 nd Prize
Vishnu Prathap N	PSN Engineering College	Tech Connections	2 nd Prize
Sherin C S Deno	Shivanthi Aathithanar College of Engineering	Paper Presentation	Participated
Vibin Kumar N	Shivanthi Aathithanar College of Engineering	Paper Presentation, CAD Modelling	Participated
Vishnu Prathap N	Shivanthi Aathithanar College of Engineering	Paper Presentation, CAD Modelling	Participated
Sreekanth K	PSN Engineering College	Paper Presentation	Participated

STUDENTS ACHIEVEMENT

TECHNICAL EVENTS

NAME	COLLEGE NAME	EVENTS	ACHIEVEMENT
Abilash S	Sethu Institute of Technology	Paper Presentation	Participated
Abhishek I	Sethu Institute of Technology	Paper Presentation	Participated
Frehenza B	Sethu Institute of Technology	Paper Presentation	Participated
John Kesavan S	Sethu Institute of Technology	Tech Quiz	Participated
Mubetha M	Sethu Institute of Technology	Paper Presentation, Who Am I?	Participated
Sherin C.S Deno	Sethu Institute of Technology	Paper Presentation, Who Am I?	Participated
Frehenza B	Mepco Schlenk Engineering College	Paper Presentation	Participated
John Kesavan S	Mepco Schlenk Engineering College	Paper Presentation	Participated
Ram Kishore B	Mepco Schlenk Engineering College	Paper Presentation	Participated
Sherin C.S Deno	Mepco Schlenk Engineering College	Paper Presentation	Participated
Vibin Kumar N	Mepco Schlenk Engineering College	Paper Presentation	Participated
Vishnu Prathap N	Mepco Schlenk Engineering College	Paper Presentation	Participated

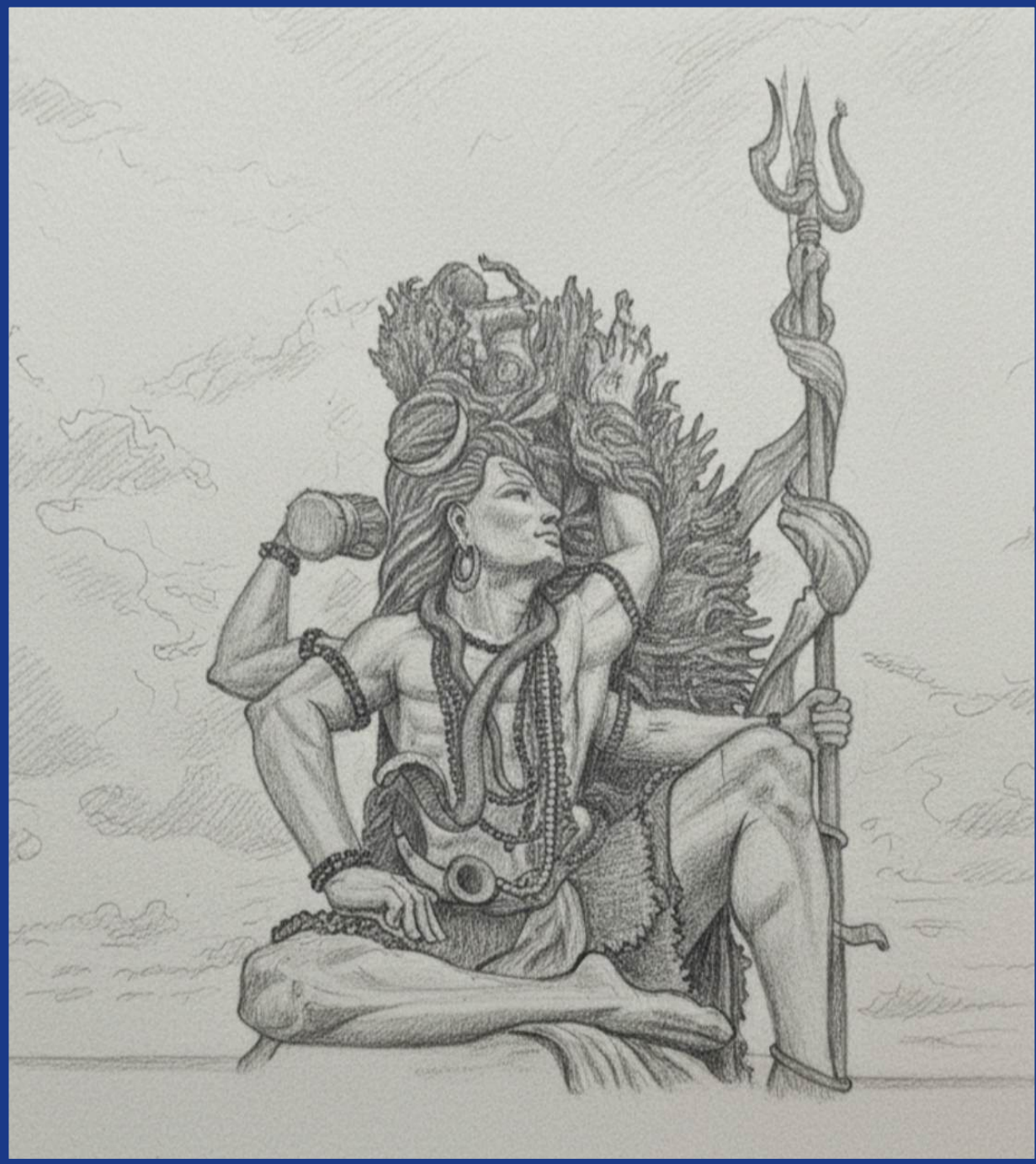
STUDENTS ACHIEVEMENT



STUDENTS ACHIEVEMENT



STUDENTS CORNER



By

MAHESH S

IV - CIVIL

By

GOKILA DEVI T

IV - CIVIL

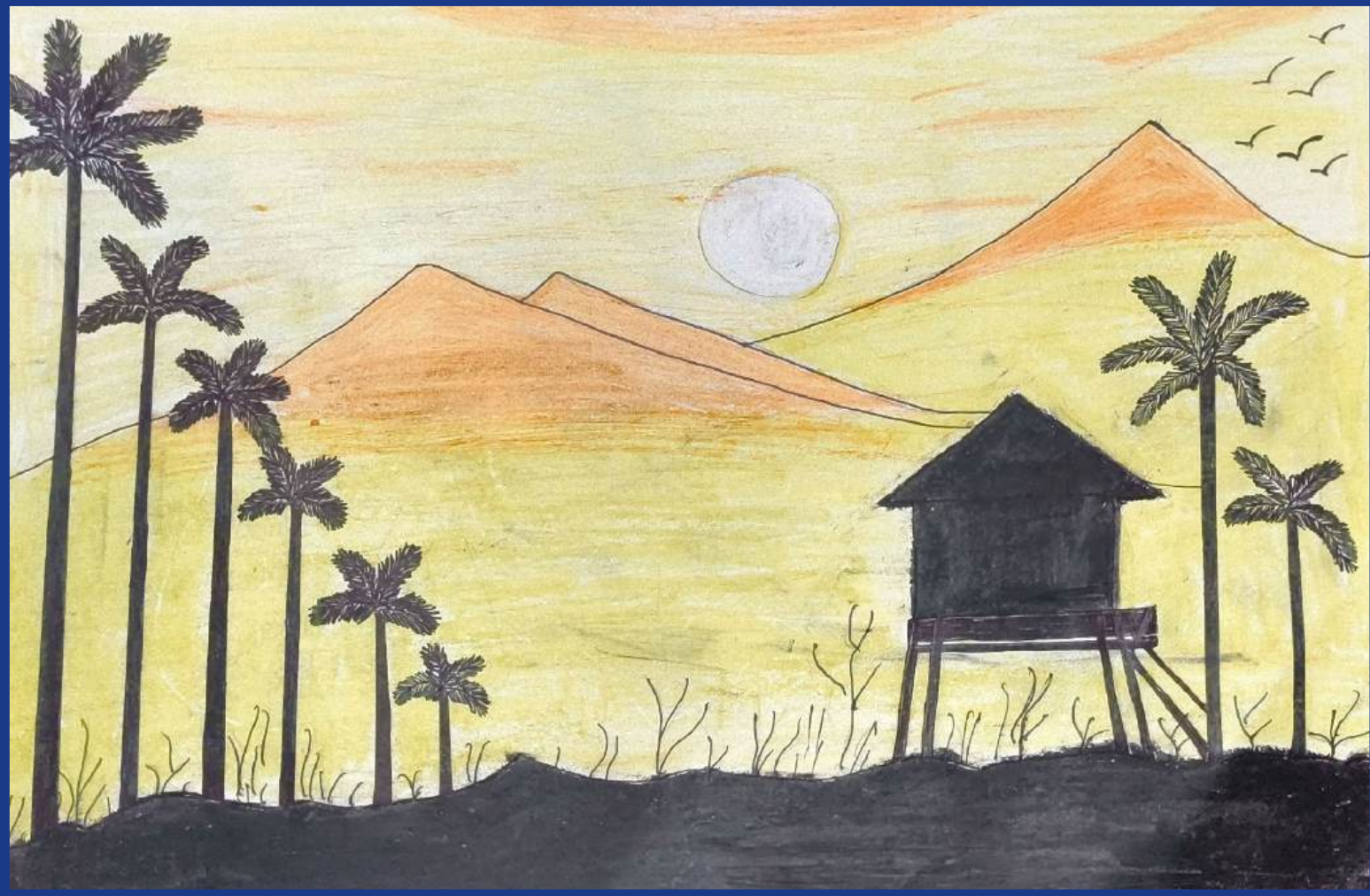


STUDENTS CORNER



By
ABINASH T
IV - CIVIL

STUDENTS CORNER



By

GOKILA DEVI T

IV - CIVIL

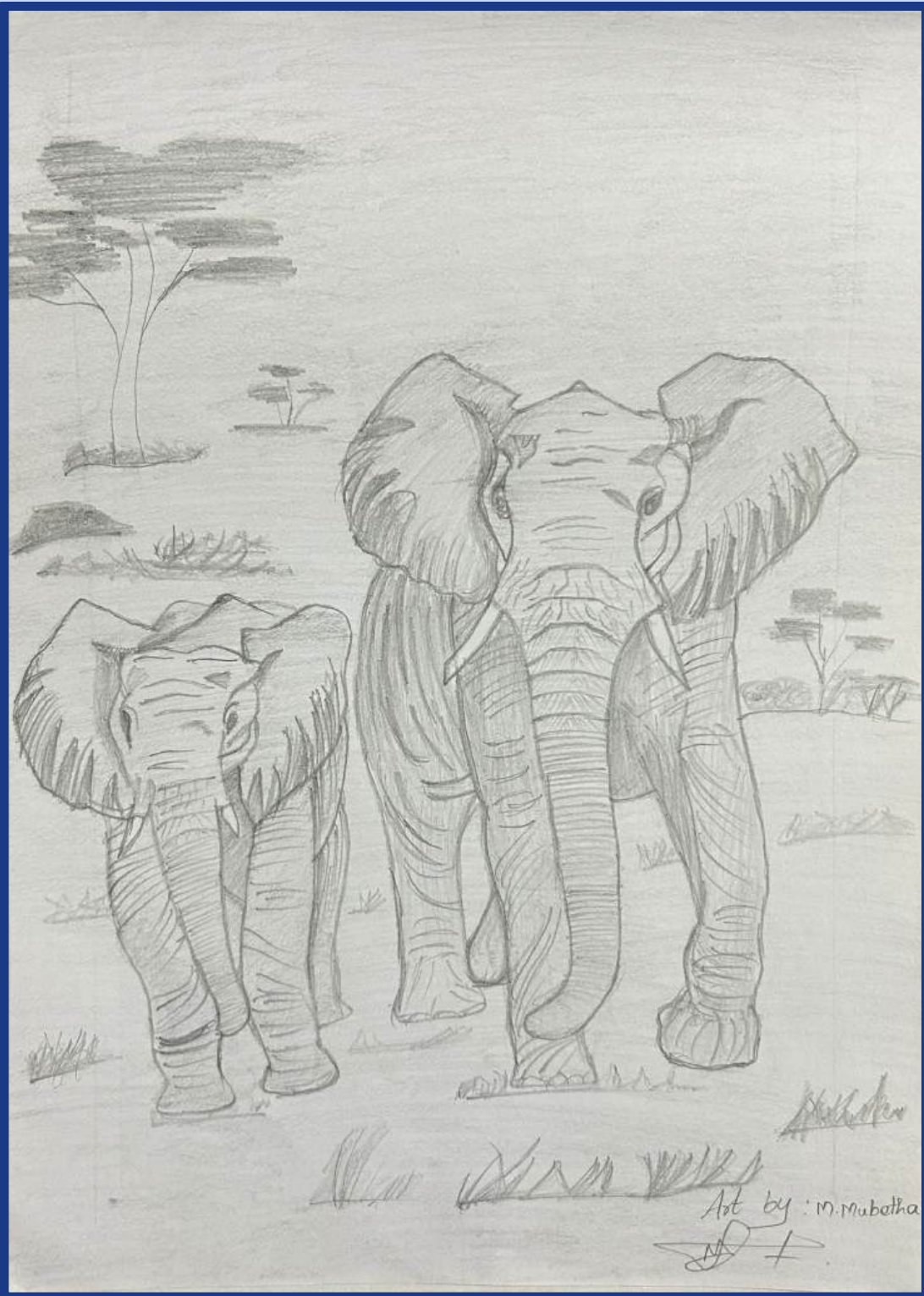
By

**NINGTHOUJAM
NELSON SINGH**

III - CIVIL



STUDENTS CORNER



By

MUBETHA M

III - CIVIL

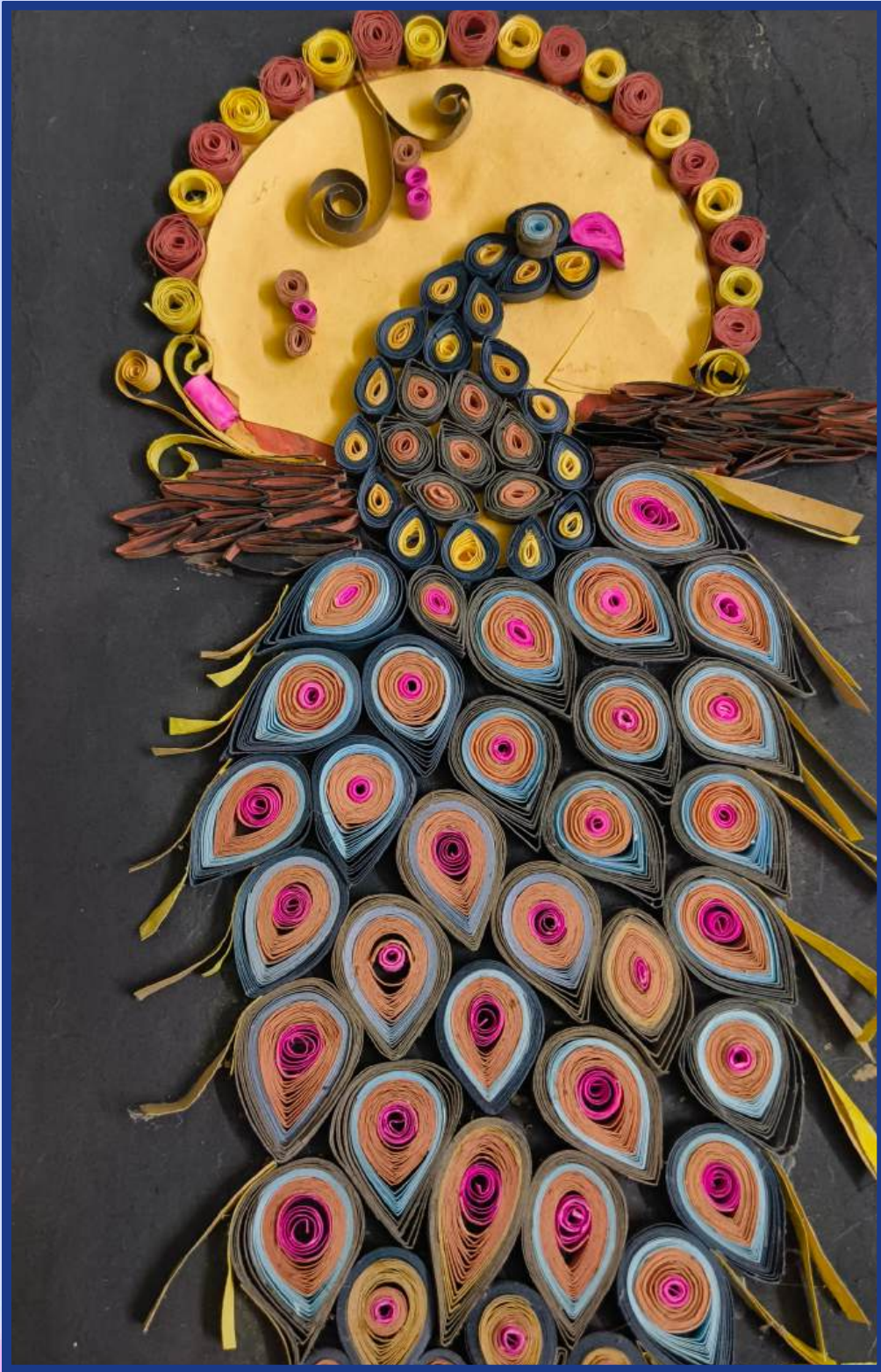
By

**SUBA
INDUMATHI V**

II - CIVIL



STUDENTS CORNER



By
GOKILA DEVI T
IV - CIVIL

By
GOKILA DEVI T
IV - CIVIL



STUDENTS CORNER

FATHER

*I never felt him,
I never walked with him,
I never ate with him,
I never hugged him.*

*I never get tired of thinking about him,
I'm longing to be with him.
I didn't even see him —
But now I hate to hear about him.*

*Not even a single tear fell from my eyes
When I saw his grave.
But now I know about him —
Because my mom told me.*

*Now I'm sleeping above his flesh.
He was the one who cried to comfort me.
Now I understand —
His name is Father.*

By

JERIN J A

III - CIVIL



***“Do not undervalue,
waste or misuse any
useful thing in the world.
Let no useful thing be in
your eyes useless.”***

- Sir M. Visvesvaraya

Sir Mokshagundam Visvesvaraya (15 September 1860 – 14 April 1962, more commonly known as Sir MV, was an Indian civil engineer, statesman and the 19th Diwan of Mysore, serving from 1912 to 1919. He started his primary education in Bangalore, received his BSc degree from the University of Madras, and then DCE (Diploma in Civil Engineering) from the University of Bombay through its affiliated institution and 3rd oldest Engineering College in Asia, College of Engineering, Pune. He received India's highest honour, the Bharat Ratna, in 1955. He was knighted as a Knight Commander of the British Indian Empire (KCIE) by King George V for his contributions to the public good. His birthday, 15 September, is celebrated as Engineers' Day in India, Sri Lanka and Tanzania in his memory. He was the Chief Engineer of Krishna Raja Sagara dam in the north-west suburb of Mysuru city, Laxmi Talav Dam near Kolhapur in south-west Maharashtra, and also served as one of the Chief Engineers of the flood protection system for the city of Hyderabad.



ROHINI

COLLEGE OF ENGINEERING & TECHNOLOGY (AUTONOMOUS)

Approved by AICTE & Affiliated to Anna University | NBA Accredited for BE (ECE, EEE, MECH) | Accredited by NAAC with A+ Grade

KANYAKUMARI, TAMIL NADU



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Awarded as "The Emerging
Engineering College in
South Zone 2024".



A Career is a Life

With "AA+ Grade" - India's Best
Engineering College 2024.



NSF
Best Green Campus Award
Regd. No. 334/2017

Best Green Campus Award 2024.



BMQR

Certified as the Quality
Management System in
accordance with
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