

Department of Civil Engineering

2022-2023- Civil Events

Sl.No	Name of the Event	Date	Beneficiary
1	Two-day hands-on workshop on total station and GPS	10.07.2025 & 11.07.2025	II year
2	Two-Day Workshop on Building Planning and Scientific Vaasthu	10.07.2025 & 11.07.2025	III year
3	Industrial visit to mathur aqueduct	14.07.2025	II year
4	Industrial visit to water treatment plant in Nagercoil	14.07.2025	III year
5	Association inauguration-25-26 Chief Guest: Dr. D. Satheesh Herbert Singh	25-07-2025	All students
6	Industrial visit to Mahasreevari food Industries Pvt, Trivandrum	11-08-2025	IV year
7	Industrial visit to water in pothayadi flyover	13-08-2025	III year
8	One-Day Workshop on structural detailing essentials- drafting to execution	01-09-2025	IV year
9	Spectra 25 Workshop on 3D printing in construction	12-09-2025	All students
10	One-Day Workshop on ETABs for high-rise and building structures	09-09-2025	II year
11	Etabs for high-rise and building structures	22-09-2025	II year
12	National level technical Symposium	14-10-2025	All students
13	Technical talk on recent trends in civil Engineering	27-01-2026	All students
14	Industrial visit to water treatment plant in Nagercoil	14-03-2026	I Year
15	Value added and Skill development programme on rivet architecture and rivet structure	23-02-2026 to 28-02-2026 05-03-2026 to 07-03-2026	II Year
16	Value added and Skill development programme on Total station survey and GPS	23-02-2026 to 28-02-2026	III year

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



ROHINI COLLEGE OF ENGINEERING
Department of Civil Engineering
in association with
GIDEON SURVEYING ACADEMY
NAGERCOIL

2-Day Hands-on Workshop on **TOTAL STATION & GPS**

Key Highlights:

- ✓ Introduction to Total Station & GPS
- ✓ Instrument Setup & Calibration
- ✓ Field Data Collection Techniques
- ✓ Real-time Surveying & Mapping

10th July 2025 (Thursday)
11 July 2025 (Friday)

9:30 AM to 4:30 PM

Civil Engineering Department,
Rohini College of Engineering

Unlock Your Surveying Skills with Industry Ex



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**, 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.

Day 1 Highlights:

- Introduction to surveying fundamentals and the role of modern instruments in civil projects.
- Detailed explanation of the Total Station: components, setup procedures, and operation.
- Field training on angle, distance, and coordinate measurement using Total Station.
- Hands-on experience in traversing and data recording techniques.

Day 2 Highlights:

- Overview of Global Positioning System (GPS) technology and its applications in surveying.
- Practical demonstration on GPS device handling and data acquisition.
- Integration of Total Station and GPS data for geospatial mapping.
- Data processing and interpretation using specialized software tools.

TWO-DAY WORKSHOP ON BUILDING PLANNING AND SCIENTIFIC VAASTHU

**ROHINI COLLEGE OF ENGINEERING
AND TECHNOLOGY**



DEPARTMENT OF
CIVIL ENGINEERING
&
BIM CADD
JOINTLY ORGANIZES
2 DAYS WORKSHOP
on
**BUILDING
PLANNING
& SCIENTIFIC VAASTHU**

10-07-25 & 11-07-25



The **Department of Civil Engineering** organized a **Two-Day Workshop on Building Planning and Scientific Vaasthu** on **10.07.2025 & 11.07.2025** 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.

Day 1 Highlights:

- Introduction to the fundamentals of building planning and design.
- Detailed sessions on zoning, space optimization, and regulatory compliance in construction.
- Understanding the concepts and significance of Scientific Vasthu in modern architecture.
- Case studies demonstrating the application of Vasthu principles in contemporary building projects.

Day 2 Highlights:

- Practical guidance on site analysis, orientation, and layout planning using Vasthu concepts.
- Workshops on aligning building elements with natural forces for positive energy flow.
- Integration of scientific Vasthu principles with sustainable building practices.
- Interactive sessions addressing participant queries and design challenges.

INDUSTRIAL VISIT TO MATHUR AQUEDUCT, TAMIL NADU – A LEGACY IN CIVIL ENGINEERING

Our department second year students 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 (utility + tourism)



INDUSTRIAL VISIT TO WATER TREATMENT PLANT IN NAGERCOIL



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

Association inauguration-25-26 -25-07-2025

The inauguration of “ASSOCIATION OF CIVIL ENGINEERS” was held at Rohini College of Engineering Technology, Kanyakumari on 25-07-2025. The chairman, Shri. NeelaMarthandan, 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, Head of the Civil Engineering Department, officially introduced the office bearers and the guest of honor, Dr. D. Satheesh Herbert Singh. 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.



On 11.08.2025 our civil department III year students visited the Mahasreevari food Industries Pvt, Trivandrum. The visit bridged the gap between academic theory and industrial reality. By observing the integration of structural integrity with mechanical efficiency, students gained a deeper understanding of the complexities involved in designing and maintaining food processing units.



Industrial visit to water in pothayadi flyover 13-08-2025




The **Department of Civil Engineering** organized a One-Day Workshop on structural detailing essentials- drafting to execution on **01-09-2025**



The **Department of Civil Engineering** organized One-Day Workshop on ETABS for high-rise and building structures on **09-09-2025**





 **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
Organizes
One Day Workshop On

ETABS FOR HIGH-RISE AND BUILDING STRUCTURES

Resource Person
Er.A. KANAGARAJ
Design Engineer
SJ Builders and Designers

Date : 22nd Sep 2025 | Venue : CAD Lab

Spectra 25 Workshop on 3D printing in construction 12-09-2025



National level technical Symposium 14-10-2025



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

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.

VISION
To be centre for quality education and research in diverse areas of Civil Engineering, and provide service to the nation in terms of nurturing Civil Engineers with a strong social commitment.

DEPARTMENT OF CIVIL ENGINEERING
ROHINI ASSOCIATION OF CIVIL ENGINEERING
LIVIC ORGANIZES
INFRATEQ'25
A NATIONAL LEVEL TECHNICAL SYMPOSIUM
WITH CASH PRIZE FOR
PAPER AND POSTER PRESENTATION

EVENTS
PAPER PRESENTATION
POSTER PRESENTATION
CIVIL QUIZ
BRIDGE THE GAP
CAD CLASH

TITLE FOR PAPER AND POSTER PRESENTATION CONCRETE - IDEA PITCHING FOR FUTURE INFRASTRUCTURE

OCTOBER 14

REGISTRATION FEE ₹250

STUDENT CO-ORDINATORS
J. CHANDRU 7339141893
M. SAM PRASATH 8838594225
S. SIVAN 6374387418

CONVENOR
Dr. J. SAHAYA RUBEN
HEAD OF THE DEPARTMENT
9894176118

CO - CONVENOR
Dr. R. RAJIV GANDHI
ASSISTANT PROFESSOR
9789596878

QR CODE

Technical talk on recent trends in civil Engineering 27-01-2026

The Department of Civil Engineering at Rohini College of Engineering and Technology organized a one-day technical talk titled "Recent Trends in Civil Engineering" on January 27, 2026. The program aimed to bridge the gap between academic learning and evolving industry standards, providing students with insights into the modern technologies shaping the infrastructure landscape. The session was delivered by Er. R. Ramachandran, a distinguished veteran in the field and former Superintending Engineer of the Public Works Department (PWD). With decades of experience in large-scale government infrastructure projects and public works management, Er. Ramachandran brought a wealth of practical knowledge and administrative expertise to the forum. The program commenced with a welcome address by the Head of the Civil Engineering Department, followed by the formal introduction of the chief guest. Er. Ramachandran engaged the students through an interactive presentation, sharing case studies from his tenure at the PWD to illustrate the evolution of engineering practices from manual supervision to automated monitoring.



ROHINI
COLLEGE OF ENGINEERING & TECHNOLOGY
Approved By AICTE & Affiliated to Anna University
MBA Accredited for All Eligible B.E./B.Tech Programs | NAAC Accredited with 'A' Grade
New Campus: Kanyakumari Main Road, Pulladim, Varipuzha P.O.-629401, Kanyakumari Dist., Tamil Nadu.

Department of Civil Engineering
Presents
"Recent Trends in
Civil Engineering"

Guest Lecturer
Er. R. Ramachandran B.E., MCA., M.Sc., Yoga
Former Superintending Engineer, PWD
Faculty, Anna Institute of Management
*A Motivational session to empower
Young Engineers to break limits and Excel beyond Boundaries*
27 JANUARY 2026
Venue : Imperial Hall

Industrial visit to water treatment plant in Nagercoil 14-03-2026

On 14.03.2026 our civil department First 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. The primary goal was to provide first-year Civil Engineering students with practical exposure to large-scale water purification processes. This visit aimed to bridge the gap between theoretical environmental engineering concepts and real-world infrastructure management. The visit was an enriching experience for the budding engineers of RCET. It highlighted the vital role Civil Engineers play in public health and urban planning. The department extends its gratitude to the plant authorities for their cooperation and detailed explanations.



Value added and Skill development programme on rivet architecture and rivet structure 23-02-2026 to 28-02-2026 and 05-03-2026 to 07-03-2026

The Centre for Skill and Career Development, in collaboration with the Department of Civil Engineering, Rohini College of Engineering and Technology was organized a specialized "Value-Added Course" focused on Revit Architecture and rivet structure

The training is conducted by BIM CADD Center, an industry partner specializing in CAD and BIM solutions on February 23, 2026, to February 28, 2026. The program is designed to bridge the gap between academic theory and industry practice by providing hands-on training in Building Information Modeling (BIM) software.

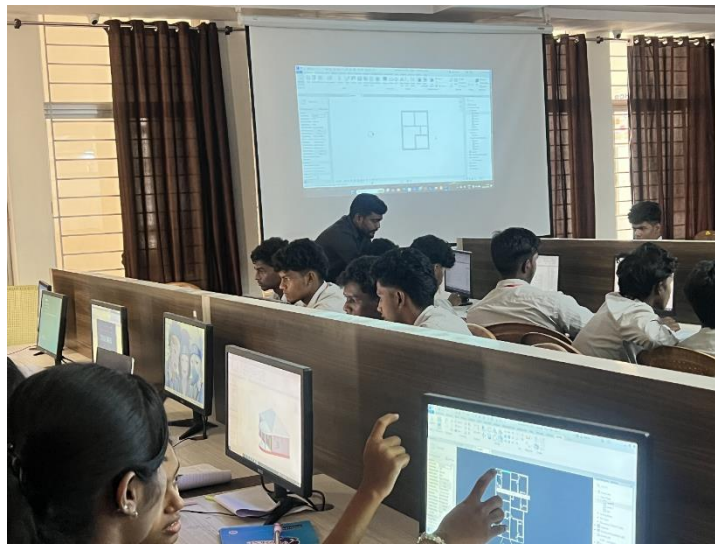
ROHINI
COLLEGE OF ENGINEERING & TECHNOLOGY
(AUTONOMOUS)
Approved by AICTE & Affiliated to Anna University | All Eligible Courses are Accredited by NBA
Accredited by NAAC with A+ Grade

CENTRE FOR SKILL AND CAREER DEVELOPMENT
&
DEPARTMENT OF CIVIL ENGINEERING
Organizes
A Value added course
on
REVIT ARCHITECTURE

For II Year Civil Students

Facilitated by
BIM CADD CENTER

Venue: CADD Lab
23-02-2026 to 28-02-2026



Value added and Skill development programme on Total station survey and GPS

23-02-2026 to 28-02-2026

The Centre for Skill and Career Development, along with the Department of Civil Engineering, is organizing a "Value-Added Course" specifically for technical field mastery in Total Station Survey & GPS. The program is facilitated by Gideon Surveying Academy, experts in modern geospatial and surveying technologies. The programme was conducted February 23, 2026, to February 28, 2026 for the third-year students in Marunthuvazh Malai an outdoor location ideal for practical, real-world surveying exercises. The students learn, real-world environment to test their skills, ensuring they are "site-ready" for their upcoming final years and professional careers.



ROHINI
COLLEGE OF ENGINEERING & TECHNOLOGY
(AUTONOMOUS)



Approved by AICTE & Affiliated to Anna University | All Eligible Courses are Accredited by NBA
Accredited by NAAC with A+ Grade

**CENTRE FOR SKILL AND CAREER DEVELOPMENT
&
DEPARTMENT OF CIVIL ENGINEERING**

Organizes

**A Value added course
on**

**TOTAL STATION SURVEY
& GPS**



For III Year Civil Students

Facilitated by



**GIDEON SURVEYING
ACADEMY**

Venue:  Marunthuvazh Malai
மருந்துவாழ் மலை

23-02-2026 to 28-02-2026



