

CONCRETE NEWS

THE NEWS BULLETIN FROM NANDHA ENGINEERING COLLEGE

Volume: 17, Issue: 02, Jan - Jun '25



DEPARTMENT OF CIVIL ENGINEERING

SHAPING MINDS... RESHAPING INDIA...

In Association with....





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Institute Vision

To be an Institute of excellence providing quality Engineering, Technology and Management education to meet the ever changing needs of the society.

Institute Mission

- To provide quality education to produce ethical and competent professionals with social responsibility.
- To excel in the thrust areas of Engineering, Technology and Entrepreneurship by solving real world problems.
- To create a learner centric environment and improve continually to meet the changing global needs.

Department Vision

To foster academic excellence by imparting knowledge in civil engineering and allied disciplines to meet the ever growing needs of the society.

Department Mission

Civil Engineering Department is committed

- To impart quality education to produce professionals with social responsibility.
- To excel in the thrust areas of civil and allied engineering to solve real world problems.
- To create a learner centric environment with continual progress to meet the global engineering needs.

PONGAL CELEBRATION

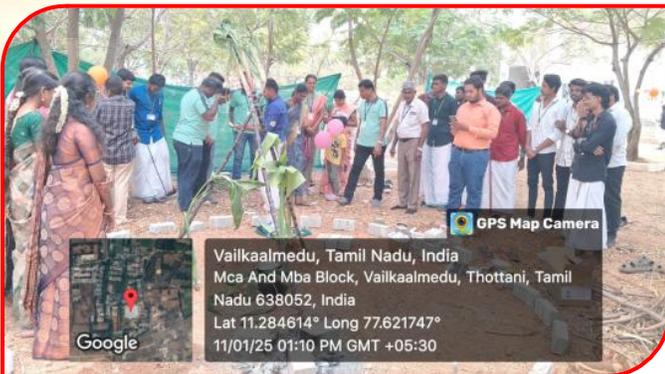
Pongal festival was celebrated in our Civil Engineering Department with various competitions and events on 11th January 2025.





PONGAL CELEBRATION

The Department of Civil Engineering organized a Pongal celebration on 11th January 2025, with active participation from faculty members and students. The event was conducted in a traditional and dignified manner, reflecting Tamil cultural heritage and values. The celebration promoted unity, cultural appreciation, and a positive academic environment within the department.



NATIONAL VOTER'S DAY

Students of the Department of Civil Engineering took a pledge on National Voter's Day on 25th January 2025, emphasizing the

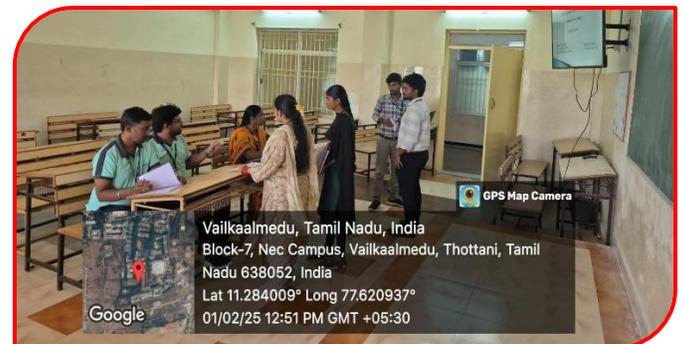


importance of democratic values and responsible participation in the electoral process.



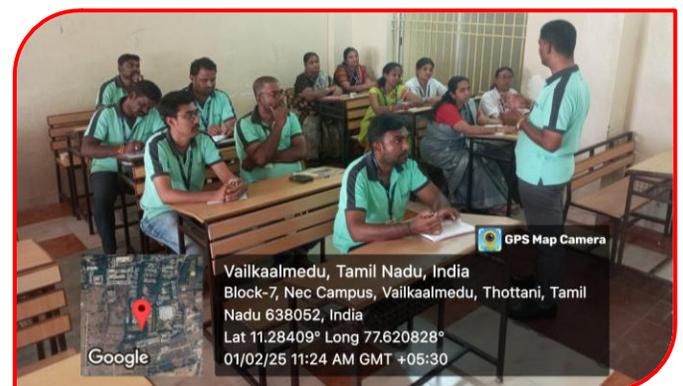
PROJECT REVIEW

First Project Review was conducted for the final year Civil Engineering students on 1st February 2025, where faculty members provided valuable feedback and guidance to enhance their project outcomes.



GUEST LECTURE

An expert session on 'Unlocking Industrial Consultancy: Opportunities & Insights for Faculty Members' was delivered by



Dr. E.K. Mohanraj on 1st February 2025, with active participation from all the engineering departments.

INNOVATION DAY

Students showcased their innovative projects during Innovation Day 2025, demonstrating



creativity and practical application of engineering concepts held on 6th&7th Feb 2025.



GUEST LECTURE

Er. M. Ranjith Kumar, M.E., Ph.D. Scholar at IIT Hyderabad, delivered an expert lecture on the topic 'Innovative Design Strategies for Energy-Efficient Metal Buildings' on 22nd February 2025, from 1:30 pm to 4:30 pm.



GUEST LECTURE

Er. P. Ravichandran, Proprietor of Vagai Builders, delivered a session on 'Startup Opportunities in Civil Engineering Software: A Roadmap for Bridging Technology and Construction Practices,' offering valuable

insights into emerging trends and innovations conducted on 25th February 2025.

LOCAL VISIT

Mr. K. U. Manikandhan coordinated a local visit to Nandha Auditorium on 5th March 2025 for II Year Civil Engineering students, enabling them to study scaffolding material identification, erection, and installation procedures through practical exposure.



INDUSTRIAL SEMINAR

Er. M. Bhuvaneshwari from Clifton Infrastructures, Erode, conducted a seminar on AutoCAD for I Year Civil Engineering students on 7th March 2025, providing practical insights into drafting techniques and design tools.





ONE CREDIT COURSE

A One Credit Course on 'Tendering Process and Document Preparation' was conducted by Er. P. Shankar, M.E. (Structures), General Manager, M/s Shanmathi Construction (P) Ltd., Erode, offering students practical exposure to contract documentation and procedures held on 15th March 2025.

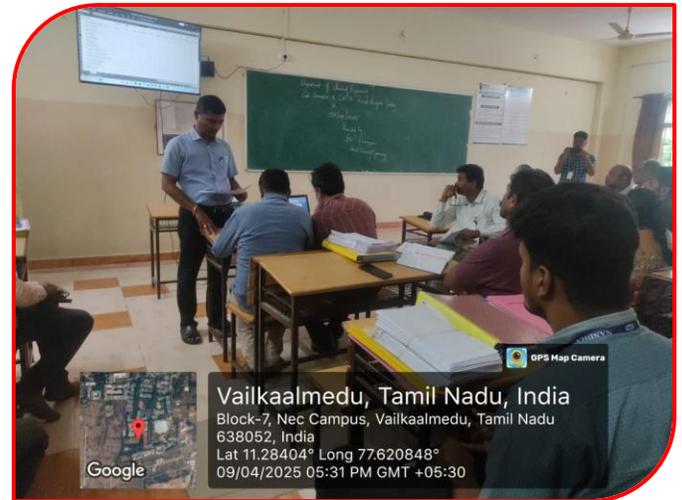


One Credit Course on 3D Rendering and Walkthrough using Architectural Software was organized for Second and Third Year Civil Engineering students to enhance their practical skills in architectural visualization and design communication on 10th April 2025.



CAT REVIEW MEETING

A CAT Review Meeting was conducted with the Principal and Civil Engineering faculty members on 9th April 2025 to review and discuss the Academic Performance.



VALUE ADDED PROGRAMME

As a part of IIC 7.0 Self-driven Activity, IIC in association with the Civil Engg. Department jointly organized a Two-Day program titled "Lean Start-Up & Minimum Viable Product/Business" on 10th & 11th April 2025.

NANDHA ENGINEERING COLLEGE
LAITONWADOZI
ERODE - 638 052

Institution's Innovation Council (IIC)
Civil Engineering Association
Jointly Organize a Two Day Boot Camp on

LEAN START-UP & MINIMUM VIABLE PRODUCT/BUSINESS
IIC 7.0 Self-driven Activity (Level 5)

10.04.2025 & 11.04.2025
09.10 A.M. TO 04.10 P.M.
BLOCK 5

Er. Gandhi Krishnasoorthy
Senior Engineer
S&H Technocrat
Parundurai, Erode

Er. M. Jayalakshmi
Design Engineer
S&H Technocrat
Parundurai, Erode





INDUSTRIAL VISIT

The Department of Civil Engineering organized an industrial visit for II and III year students to Ideal Construction, Munnar on 30th April 2025 where they observed real-time construction practices and site management techniques. The visit provided valuable industry exposure and practical learning.



Perspective" on 2nd May 2025. The session provided valuable insights into real-world valuation methods and their applications, enriching the practical understanding of participants.

FIELD VISIT

As part of the Pre-Engineered Buildings (PEB) Course, a field visit was organized to Integral Infrass, Ponmudi and SIPCOT, involving 26 students from the III Year Civil Engineering batch. The visit was coordinated and accompanied by two faculty members, Mr. K. C. Denesh and Mr. V. Aravind, providing students with valuable industry exposure and practical insights into PEB construction techniques on 9th May 2025.



INDUSTRIAL SEMINAR

An Industrial Seminar was delivered by Er. Gopalakrishnan on the topic "Valuation Techniques in Practice: An Industrial



FACULTY DEVELOPMENT PROGRAMME

The Department of Civil Engineering, Nandha Engineering College, is organized a Faculty Development Programme (FDP) on "Smart





and Sustainable Infrastructure: Trends, Tools and Techniques". The programme is scheduled from 23rd to 27th June 2025.

SRINANDHA ENGINEERING COLLEGE (AUTONOMOUS)
Erode - 638 052

DEPARTMENT OF CIVIL ENGINEERING
(Accredited by NBA)

A Five Days Faculty Development Programme on

Smart and Sustainable Infrastructure: Trends, Tools and Techniques

Day 01 (23.06.2025)
Dr. S. Maricamynathan
Assistant Professor / Civil Engg.
National Institute of Technology, Trichy
Smart Traffic Management and Intelligent Transportation Systems: Shaping the Future of Urban Mobility

Day 02 (24.06.2025)
Dr. R. Malathy
Professor & HoD / Civil Engg.
Sona College of Technology, Salem
Robotics and Drones in Civil Engineering

Day 03 (25.06.2025)
Er. K. Kalaiyandhan
Assistant Engineer (Flying squad)
Tamil Nadu Pollution Control Board, Erode

Day 04 (26.06.2025)
Dr. K. Jayachandran
Assistant Professor / Civil Engg.
National Institute of Technology, Calicut

Day 05 (27.06.2025)
Er. V. Akash, Sr. Civil Engineer (Project)
Reliance Athletic Sports LLC
Private Sector, DUBAI, UAE
Building the Future: Beyond the Blueprint: UAE's Cutting-Edge Construction

Registration Link: <https://forms.gle/ReAvNGhZ7KZntMLA>

Registration QR

23rd to 27th June 2025 6.00 - 7.00 pm

Co-ordinators: Mr. K. L. Ravisankar, AP/Civil Engg.
Mr. M. Yeswanth, AP/Civil Engg.
Mr. V. Aravind, AP/Civil Engg.

Conveners: Dr. R. Murugesan
Dr. E. K. Mohanraj
Professor / Civil Engineering

Principal: Dr. U. S. Ragupathy

SKILL UPGRADATION : FACULTY MEMBERS

- Dr. E. K. Mohanraj, Ms. K. Selvi, Mr. K. C. Denesh, Mr. M. Yeswanth, Mr. V. Aravind, and Mr. S. Gnana Venkatesh, along with PG students, presented a paper at the 3rd International Conference on Innovative Materials and Smart Solutions for Sustainability (ICIMSSS-24) at KSR College of Engineering, Namakkal, on 27th & 28th Dec 2024.



- Mr. M. K. Kamalakkannan, AP, has published a book chapter on Mentoring and Coaching in Staff Development with ISBN: 97983691020.

Book cover: *Innovative Approaches to Staff Development in Transnational Higher Education*

Mentoring and Coaching in Staff Development

Mercy Toni, Arvinder Kour Mehta, Guru Basava Aradhya S., Mohit, Pankaj Singh Chandel, Kamalakkannan M. K., P. Selvakumar

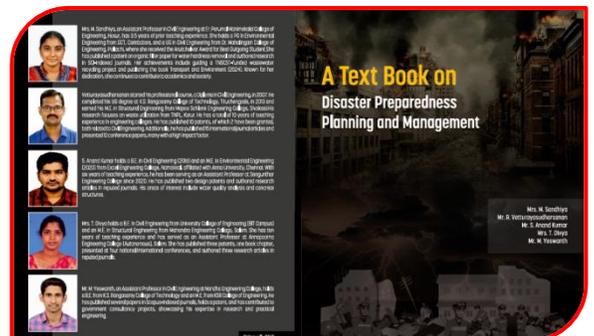
Source Title: *Innovative Approaches to Staff Development in Transnational Higher Education*

Copyright: © 2025

Pages: 26

ISBN13: 9798369391020 ISBN13 Softcover: 9798369391037 EISBN13:

- Mr. M. Yeswanth, AP, has published a textbook on Disaster Preparedness, Planning, and Management with an ISBN: 978-81-972982-2-6





- Dr. E. K. Mohanraj, along with faculty members of Nandha Engineering College, attended an Awareness Workshop on Outcome-Based Education (OBE) and Accreditation for Engineering Colleges in Tamil Nadu, organized by NBA in collaboration with Anna University, Chennai, on 9th February 2025.



- Dr. E. K. Mohanraj serves as a Board of Studies (BoS) member at Sengunthar Engineering College (Autonomous), Tiruchengode, contributing his academic expertise to curriculum development and academic planning on 19th Feb 2025 (FN).



- Dr. E. K. Mohanraj delivered an academic seminar on 'Leadership through Soft Skills' at Sengunthar Engineering College (Autonomous), Tiruchengode, engaging students and faculty in insightful discussions on professional development on 19th February 2025 (AN).



- Mr. M. Yeswanth delivered an academic seminar on 'Sustainable Solid Waste Management' at Nandha Polytechnic College, offering insightful perspectives on eco-friendly waste handling practices held on 24th February 2025.

ACADEMIC SEMINAR
DEPARTMENT OF CIVIL ENGINEERING
NANDHA POLYTECHNIC COLLEGE
Erode-52.

Thiru. V. SHAMMUGAN Chairman, Sri Nandha Educational Trust
Thiru. S. NANDHA KUMAR PRADEEP Secretary, Sri Nandha Educational Trust
Thiru. S. THELMOORTHY Secretary, Nandha Educational Institutions

CHIEF PATRONS
Dr. S. Arumugam, C.E.O. Nandha Educational Institutions.
Thiru. A.K. Velasamy, AO, Nandha Tech Campus

PATRON
Prof. G. Mohan Kumar, Principal

CONVENOR
Mr. S. PARAMASIVAM, HOD/CIVIL

CO-ORDINATOR
Mr. S. PARAMASIVAM, Lecturer / CIVIL

INVITATION
The Management, Principal, Faculty members and students cordially invite you for Academic Seminar on the topic
SUSTAINABLE SOLID WASTE MANAGEMENT STRATEGIES
Chief Guest
YESWANTH M
Assistant Professor
Department of Civil Engineering
NANDHA ENGINEERING COLLEGE

Date : 24.02.2025 Time: 10.00 AM
Venue : CIVIL Class Room






- Dr. E. K. Mohanraj presented at a Technical Meet on 'Methodologies for Structural Detailing in Construction' sponsored by UltraTech, held at Rathna Residency, Erode sharing practical insights and best practices for Practicing Civil Engineers conducted on 19th March 2025.



- Mr. M. Yeswanth, Mr. K. C. Denesh, and Mr. S. Gnana Venkatesh, APs, presented a paper in the 5th Edition of the International Conference on Sustainable Goals in



Materials, Energy, and Environment (ICSMEE'25) held at Mangalam College of

Engg., Kottayam, Kerala during 4th & 5th April 2025.

- Mr. K. C. Denesh, S. Harish, S. Ranjith, and S. Praveen Kumar successfully presented the paper titled "Mechanical Properties of High Strength Concrete: A State-of-the-Art Review" at Sona College of Technology (Autonomous) on 16th April, 2025.
- Mr. Denesh K. C., AP actively participated in the FDP on Scholarly Communication organized by the R&D Cell on 19th April 2025.



- Mr. K. L. Ravisankar and Mr. S. Gnana Venkatesh successfully completed the continuing education programme on *Advanced Concrete Practices*, including practical sessions conducted by the Department of Civil Engg. at PSG College of Technology, Coimbatore, from 25th & 26th April 2025.



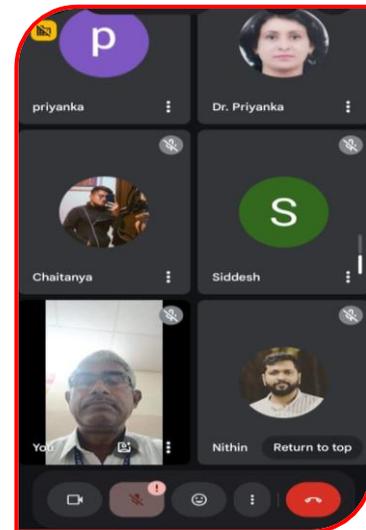


- Mr. K. C. Denesh and Ms. K. Selvi have attended for the Centre for Educational Excellence in Engineering (CEEE) - Faculty Development Programme (FDP), aiming to enhance their academic and pedagogical competencies from 23rd Jun to 4th Jul 2025 at IIT-M, Chennai.

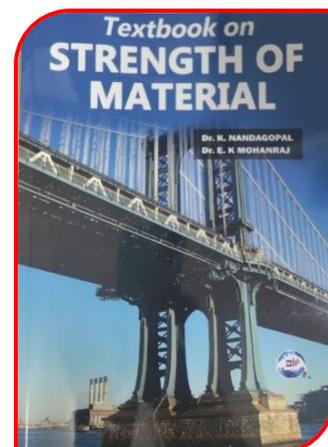


- Dr. R. Murugesan presented a paper titled "Effective Utilisation of Hypo Sludge, SBR Latex and Basalt Fibre in Concrete" at the International Conference on Structural Integrity and Interactions of Materials in Civil Engineering Structures (SIIMCES 2025). The conference was organized by S.R.M University, Haryana, and held from

21st to 23rd May, 2025, with Elsevier's Procedia Structural Integrity as the publication partner.



- Dr. E. K. Mohanraj, in collaboration with Dr. K. Nandagopal, has authored and published a textbook titled "Textbook on Strength of Material". The book serves as a comprehensive guide for engineering students, offering in-depth knowledge on the fundamental concepts and applications of strength of materials in structural analysis and design.





- Mr. K. L. Ravisankar undergone an Industrial Training at the site "Replacing the Steel Girder at Bridge No. 350 UPLINE", located at the Railway Bridge over the Kalingarayan Canal. As part of



the ongoing work progress, he was involved in the preparation of the side wall for the second lift concrete work, scheduled from 26th to 30th May 2025.

- Ms. C. J. Blessy Grant, Ph.D. Research Scholar (Part-Time) successfully completed his Ph.D. Public Viva-Voce Examination on 12th June 2025. Her thesis is titled on "Studies on Seismic Response of Laced Reinforced Concrete Beams", under the supervision of Dr. R. Murugesan.



- Ms. K. Selvi successfully completed the Innovation Ambassador Online Training Program for the academic year 2024-25. She was awarded the certificate by the MHRD Innovation Cell, with E-certificate No: IA/Foundation/1052278 and IIC ID: IC201811419, on 20th June 2025.



SKILL UPGRADATION / EXTRA CURRICULAR / CO-CURRICULAR ACTIVITIES - STUDENTS

- V. Gokulan, final year has been selected for an internship at IIT Hyderabad.





- M.T. Deepak, S. Rahul, and V. Karthick secured First Place in Innovation Day 2025 for their project titled 'Eco Furniture', showcasing sustainable and creative design solutions.



- S. Kaviraja, S. Gokulakrishnan, and M. Apsal Maideen of III year secured Second Place in Innovation Day 2025 for their project titled 'Brick Handle', highlighting practical innovation in construction tools.



- V. Gokulan successfully completed an internship at IIT Hyderabad, gaining valuable exposure to advanced research

and practical applications in his field of study.



- II year Civil Engineering students visited the site to observe the process of transplanting a coconut tree from its original location near the Principal's Quarters to the Agricultural Land, as part of their practical learning experience on 18th February 2025.



- S. Sreesanth secured Third Prize in the Corporate Walk competition held at NEC





on 21st February 2025, showcasing professionalism and confidence in corporate presentation skills.



- Anugraha V S has secured 1st Place and Venkatesh P has secured 2nd Place with cash prize in the prestigious India Chapter of ACI's National Essay Competition



- 4 No's of II year students attended a workshop on Ground Water held at VIT University, Vellore, gaining valuable insights into water resource management on 10th March 2025.



- P. Pradeep of II year secured Second Prize in the CADD Matrix competition held at Karpagam College of Engineering, Coimbatore on 15th March 2025.

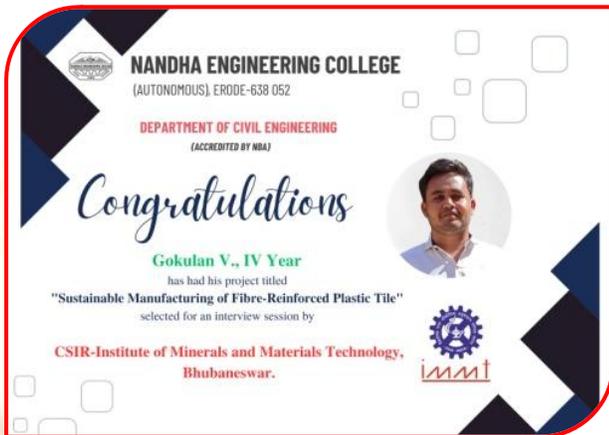


- P. Pradheep, II Year Civil Engineering student, secured the Second Prize in the CADD Modelling event held at Excel Engineering College on 9th April 2025.





- Mr. Gokulan V, Final Year his project titled "Sustainable Manufacturing of Fibre-Reinforced Plastic Tile" selected for the interview session by the CSIR–Institute of Minerals and Materials Technology (IMMT), Bhubaneswar.



- Mr. Gokulan V, a final year student has been selected as one of the top 5 winners of the prestigious Dr. A.P.J. Abdul Kalam Young Research Fellowship 2024–25, awarded by TERRE Policy Centre. His research project titled “Sustainable Manufacturing of Fiber-Reinforced Plastic Tiles” was recognized for its innovation and relevance to sustainable development in construction materials.
- Mr. Tamil Eniyan. G, Mr. Jagatheeswaran S, and Ms. Kiruthiga S participated in the 1st International Conference on Green Technology & Sustainability (ICGTS 2025), organized by the Department of Civil

Engineering, National Institute of Technical Teachers' Training and Research (NITTTR), Kolkata. The conference was held on the 29th & 30th May, 2025.



VISITING FACULTY

- Er. V. Ravichandran served as a Visiting Faculty for the Computer-Aided Structural Design Laboratory, sharing his practical expertise with students held on 4th March 2025.



TESTING AND CONSULTANCY

- Department of Civil Engineering undertook a Third-Party Inspection as part of a consultancy assignment for the





construction of shops with bus bays at Anthiyur Bus Stand on 22nd February 2025.



- The Testing and Consultancy offered by the Department of Civil Engineering have successfully crossed Rs. 25 lakhs in total revenue, reflecting the department's strong industry engagement and technical expertise.



- Dr. E. K. Mohanraj and Mr. K. L. Ravisankar carried out soil sample testing and consultancy services for cess making over a stretch of 15.475 km for the Salem-Karuppur section under the Salem Division of Southern Railway.



- Dr. E. K. Mohanraj, Mr. K. L. Ravisankar and Ms. K. Selvi, along with Second-year students, conducted soil testing for compaction and classification as part of the Southern Railway consultancy works at Mavelipalayam, Sankari on 5th April 2025.



- Dr. E. K. Mohanraj & Mr. K. L. Ravisankar carried out Testing and Consultancy



Works involving physical verification of structural steel sections, including their





specifications and properties, as part of consultancy works for Southern Railways at Coonoor on 18th June 2025.

- Dr. E. K. Mohanraj & Mr. K. L. Ravisankar carried out Testing and Consultancy Works involving the physical verification of structural steel sections, including their specifications and properties, as part of consultancy services for Southern Railways at the Diesel Loco Shed, Erode, on 26th June 2025.



- Nandha Engineering College was awarded an 'A' rating by NPTEL-SWAYAM and ranked among the top 200 institutions during July to December 2024 for its exemplary participation and performance in online certification courses at IIT-M, Chennai



PUBLICATIONS

- Dr. E. K. Mohanraj - Scopus paper titled “Management of Treated Wastewater and Flood Water Using GIS and Machine Learning for Environmental Protection in Lower Thamirabarani Sub-Basin, India” has been accepted for publication in the Journal of Earth System Science.

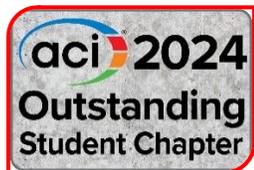
AWARDS / ACHIEVEMENTS

- Dr. E. K. Mohanraj has *published a patent* with Application No. 443680-001 on 09.01.2025.





ACI Concrete Convention, scheduled to be held in Toronto, Canada, on 30th Mar 2025.



ALUMNI CORNER

- *Alumni of Civil Engineering* participated and shared their insights at the *International Alumni Meet, held in Dubai* at Hampton by Hilton Hotel on 12.01.2025.



- Er. S. Thiyaneesh attended the Alumni Decade Meet 2025 and interacted with Civil Engineering students, sharing his experiences & insights held on 1st Mar 2025.



- Mr. P. Venkatesh, an alumnus of the B2020-24, engaged in an Alumni Interaction Session with current students on 3rd May 2025. The session facilitated experience sharing and guidance, offering students insights into academic planning and career pathways.



PLACEMENT

- S. Kiruthik Kumar and K. Sanjay Kumar, Final Yr students, have been placed at RJ Infrastructures.





- C. Karthick (21CE006) and S. Prem Kumar (21CE013), have been placed in 'Rebar D&D' at KPR, with a training period of one year at Rs.20,000 per month, followed by a salary of Rs.24,000 per month.

- S. Aravinth (21CE002) has been placed at BK Constructions, Sivagiri with an annual package of Rs 3.6 LPA, marking a significant step in his professional career.

NANDHA
Engineering College(Autonomous)
(Affiliated to Anna University, Chennai, Approved by AICTE, Accredited by NBA & NAAC with A+ Grade)
Erode - 638 052

Congratulations

Department of Civil Engineering
2021-25 Batch Students got placed in

REBAR D&D REBAR D&D Pvt.Ltd



KARTHICK.C
(21CE006)



PREM KUMAR.S
(21CE013)

2.4 LAKH
Per Annum

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Erode - 638 052

Congratulations

Department of Civil Engineering



3.6 Lakh
Per Annum

Aravinth S
21CE002

2025 Batch Student got placed in

BK Construction
Sivagiri

Top Performing SWAYAM - NPTEL
ACTIVE LOCAL CHAPTER

NANDHA ENGINEERING COLLEGE (Autonomous)
(Affiliated to Anna University, Chennai, Approved by AICTE, New Delhi, Accredited by NAAC with A+ Grade)
Erode - 638 052, Tamil Nadu

SWAYAM-NPTEL Examinations Results - Jan to April 2025

NAAC ACCREDITATION **A+** Score: 3.38/4

NBA Tier - 1 BME, Chem, Civil, CSE, IT, ECE, EEE & Mech

NPTEL Local Chapter **A** Rating

CAREERS360 A Career is a Life **AAA+** Rating

acj **acj 2024** Outstanding Student Chapter

Indian Concrete Institute Outstanding Student Chapter Award





NANDHA Engineering College (Autonomous)

(Affiliated to Anna University, Chennai, Approved by AICTE, New Delhi, Accredited by NBA & NAAC with A+ Grade)
Erode, Tamil Nadu



Congratulations

SWAYAM - NPTEL Examination Results - Jan to Apr 2025

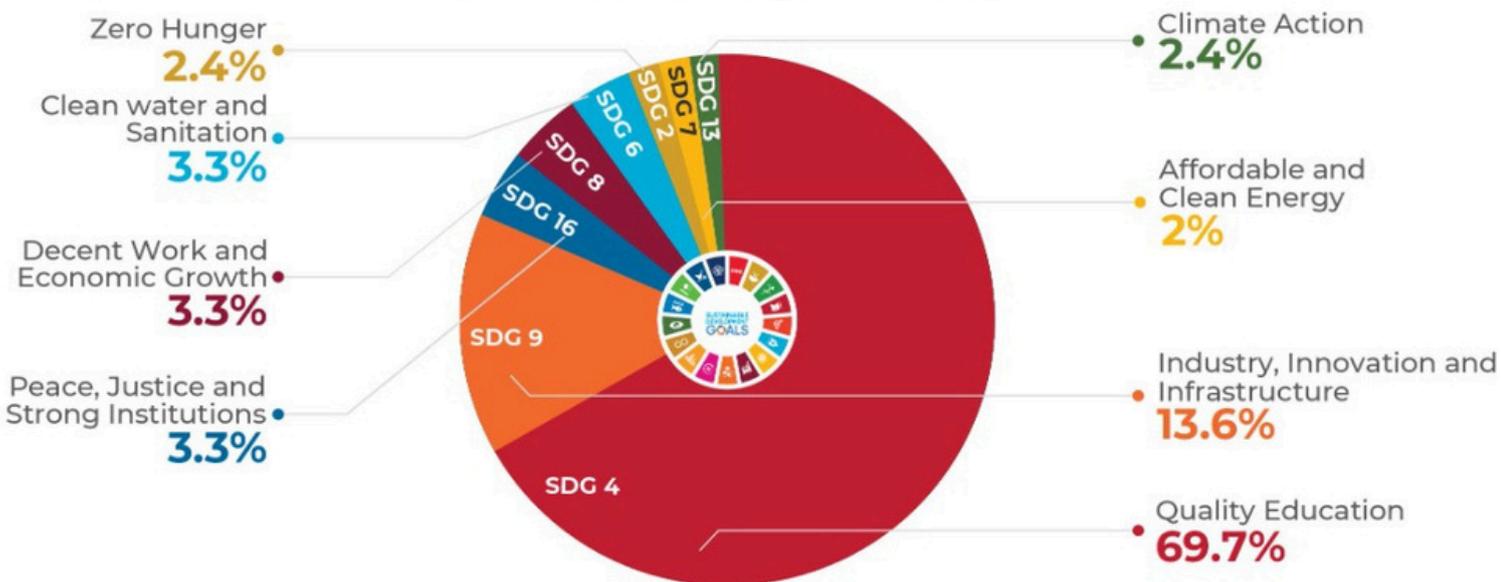
**A moment to be cherished
NEC has Achieved**



1 among the top 200 Institutions out of 7233 Local Chapters

Percentage of Courses under SDGs

(Sustainable Development Goals)





NANDHA ENGINEERING COLLEGE

(AUTONOMOUS)

ERODE - 638 052, TAMIL NADU



Editorial Team

Dr E K Mohanraj	Dr R Murugesan
K Selvi	K L Ravisankar
K C Denesh	M Yeswanth
A Abdul Hameed	V Aravind
S Gnana Venkatesh	M K Kamalakkannan
KU Manikandhan	T Bragadeeswaran

