



ERODE SENGUNTHAR ENGINEERING COLLEGE

(An Autonomous Institution)

Approved by AICTE, New Delhi, Permanently Affiliated to Anna University- Chennai,
Accredited by National Board of Accreditation (NBA), New Delhi &
National Assessment and Accreditation Council (NAAC), Bangalore with 'A' Grade
PERUNDURAI - 638 057, TAMILNADU, INDIA.



DEPARTMENT OF CIVIL ENGINEERING

NEWS LETTER

ACADEMIC YEAR

2023-2024



About the Department

The Department of Civil Engineering was started in the year 2002, with an intake of 60 students and is offering B.E. Civil Engineering. AICTE approved PG program (M.E. Environmental Engineering) during the academic year 2012-13 with an intake of 18 and (M.E. Structural Engineering) during the academic year 2023-24 with an intake of 24. The B E Civil Engineering and ME Environmental Engineering courses are permanently affiliated to Anna University Chennai. B E Civil Engineering course obtained NBA Accreditation status since 2013. The institute got Autonomous status from 2019 onwards and following Autonomous Curriculum.

The department strongly believes in imparting outcome based education to both the UG and PG students as well. Based on the Vision and Mission of the institution the department has framed its own Vision and Mission statement and Program Educational Objectives for all the programs.

The department is supported by well qualified faculty team in various fields of specialization in Structural Engineering, Construction Engineering and Management, Remote Sensing and GIS, Environmental Engineering and Geotechnical Engineering. All the laboratories are well furnished with the state-of-art equipments with qualified Non teaching staff members. Research and Consultancy activities are undertaken by the department faculty in various areas and obtained concurrence letter from District Collectorate for material testing.



Through effective teaching learning process the department produced thirty seven University Ranks in Undergraduate Program and Seven University Ranks including one Gold medal in Post Graduate Program under Anna University, Chennai.

To fulfill the gap between the industry and Institute, through department students association programs like Technical Symposia, Seminars, Guest Lectures, workshops and conferences on the latest developments are conducting every year by inviting experts from the industry and institute.

To strengthen the practical knowledge students are motivated to attend internship during their vacation.

Apart from the regular industrial visits, Alumni are interacted with the students during their visit in the name of “Leaders Talk”.





Programme	Duration
B.E Civil Engineering	4 Years
M.E. Environmental Engineering	2 Years
M.E. Structural Engineering	2 Years

Vision

To emerge as a leading department for Education, Training and Research in Civil Engineering for realizing socio-economic progress of the country in a sustainable manner.

Mission

Advancement in Civil Engineering: To educate students on design, construction, maintenance and advancements in Civil Engineering for providing solutions to the betterment of the society.

Best Practices: To enrich and enhance the knowledge on best practices in various areas of Civil and allied engineering through collaborations with global institutions of excellence, industries and research organizations.



Industrial and societal relevance: To offer world class undergraduate, postgraduate and research programs of industrial and societal relevance in Civil Engineering.

Global challenges with ethical standards: To produce high professional Civil Engineers to address global challenges with ethical standards.



MISSION



VISION



VALUES

Programme Educational Objectives

PEO I: Societal Development

Graduates will contribute in the Civil Engineering field for the development of nation and society.

PEO II: Knowledge and Skills

Graduates will have sufficient knowledge to perform as Professional Engineers in the field of Civil Engineering.

PEO III: Higher Education

Graduates will have the ability to pursue higher studies in institutions of international repute and will undertake research for offer solution to the industrial relevance.

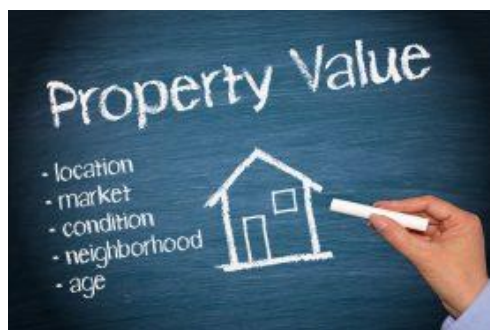


PEO IV: Professional Ethics

Graduates will have the attitude to engage in continuous professional development with ethical standards and to remain current in their field work.

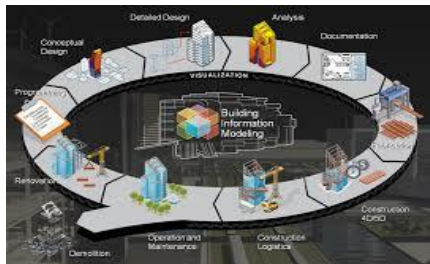
Events Organised

A Workshop on “**Scope of Civil Engineers as Registered Valuers for Property Valuation**” was organized on 03.07.2023, led by **Mr. U. Balamurugan, Deputy Manager, HDFC Bank, Erode**. The session attracted 42 participants and highlighted valuation practices for civil engineers.



The program “**Build Your Career in UX / UI Design**” was held on 10.07.2023, conducted by **Mr. M. Sarankumar, CEO of Garix Design Pvt. Ltd.** A total of 46 participants gained insights into career prospects in design and technology.

A Keynote on **Banking Sector** was delivered on 28.08.2023 by **Mr. K. Manikandan, Banking Team Lead, Veranda RACE, Erode**. With 46 participants, the session provided knowledge on banking opportunities and trends.



A Guest Lecture on “**Building Information Modeling**” was held on 11.10.2023 by **E. Shankar Sengottaiyan, M.E., NITTSD, Administrative Officer, ETS Academy, Erode**. The event witnessed 59 participants and emphasized modern BIM applications in civil engineering.

The Workshop on “**CAD for Civil Engineers**” took place on 31.10.2024, organized by **Mr. I. P. Suresh Anand from C Cube Technologies, Erode**. Around 27 participants benefited from hands-on CAD training for engineering applications.



A session on “**Communication Skills in Leadership – Importance and Benefits**” was conducted on 02.11.2023 by **Mr. Dhevendhiran K, Proprietor, HR Mobitech Wireless Solution Pvt. Ltd., Erode**. The program engaged 30 participants, focusing on leadership communication.

The Workshop on “**Estimation using ESTIMA Software**” was organized on 15.03.2024, handled by **Er. M. Ramkumar, Project Manager, Shiva Engineering, Tirupur**. With 35 participants, the workshop enhanced knowledge of software-based estimation techniques.



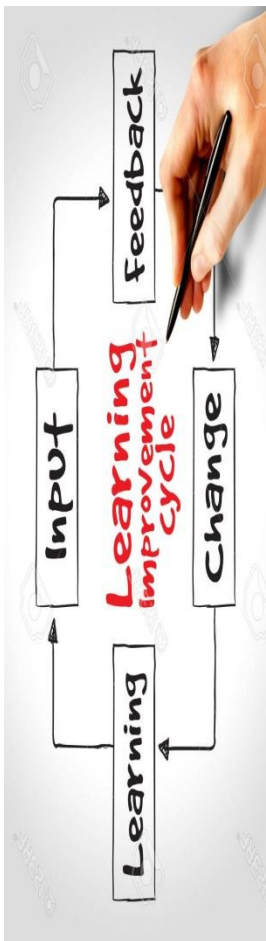
Projects done by the Students

S NO	REG. NO	NAME	TITLE OF THE PROJECT
1	20103009	Kathiresan G	Application Of Perovskite-Structured Lithium Titanate Toward Remediation Of Environmental Pollutants
2	20103012	Nilesh S	
3	20103002	Abhay Kumar	
4	20103021	Vasantharajan S	Utilizing Waste Tiles In Paver Block Manufacturing
5	20103017	Subramani R	
6	20103019	Thamizhanban S	
7	20103023	Vinoth Raj A	Development Of Lightweight Wall Paneles Using Cenospheres & Eps
8	20103006	Gokul S	
9	20103003	Ankit Kumar	
10	20103015	Selvam R	Experimental Investigation Of Grillage Foundation Against Corrosion
11	20103022	Vijayabharathi P	
12	20103305	Rajesh S	
13	20103011	Nanthakumar M	Enhanced Photocatalytic Degradation Of Water Pollutants Using Bio - Green Synthesis Of Zinc Oxide Nanoparticles (Zno Nps)
14	20103004	Dinesh S	
15	20103303	Mithun D	
16	20103005	Danish Kumar	Experimental Analysis Of Dye Degradation From Textile Industry Using Effective Bacterial Consortium
17	20103007	Gunaseelan S	
18	20103301	Arun Malu	
19	20103302	Manivel R	Experimental Investigation On Gfrp Angle To Angal Connections With Non- Metallic Screws
20	20103008	Jai Suriya P	
21	20103016	Sibiraj V	
22	20103014	Saranya P	Potential Applications Of Novel Microbe As An Healent In Cement
23	20103018	Suresh D	
24	20103020	Thirupathi P	
25	20103306	Sabarish S	



Students Participation

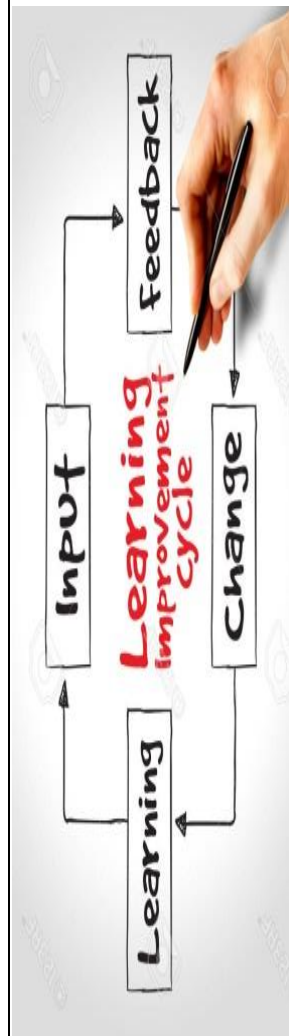
Workshop / Seminar / Webinar Participation



	Name of the Student	Year / Sem	Title of the Event	Name of the Organization	Date
	M Harish Prasath R Ragul P Balagoutham V Mythili	III	Webinar on relevance of site for effect earthquake resistant construction	Ultratech Cements Ltd, Chennai	10.06.2023
	P Balagoutham	III	Online spoken English Programme	National Institute of Skill Development and Entrepreneurship, Pudukkottai	09.07.2023
	P Balagoutham R Ragul P Gokul Sarathi	III	Workshop on wellness and life skills	National Institute of Technology, Hamirpur	10.07.2023 - 14.07.2023
	Anu Kumari Anish Kumar Chhotu Kumar Md Samim	III	Workshop on research methodology in Fluid Mechanics	Indian Institute of Technology, Jodhpur	12.07.2023 - 15.07.2023
	S M Shri Harini V Mythili	III	Seminar on remote sensing and GIS applications in Flood mapping, monitoring and Flood Damage Assessment	Dr.N.G.P Institute of Technology, Coimbatore	14.07.2023
	S Rajabharath T Sanjay M Nantha Kumar S Gokul V Sibiraj	III	Workshop on Electrical Drafting, Automation & Solar Integration for Buildings	National Institute of Technology, Puducherry	17.07.2023 - 21.07.2023



	Anish Kumar V Mythili T Palanikumar S M Shri Harini	III	Seminar on Millet Innovations : Entrepreneurship Opportunities in Agro Millets and Food Products	Excel Engineering College, Erode	19.08.2023
	P Balagoutham	III	Five days online workshop on vehicular vibrations control with modern suspension system	NIT, Karnataka	21.08.2023 - 25.08.2023
	P Sundaramoorthi	II	One day national level workshop on "Digital Land Surveying and Mapping"	Kongunadu college of Engineering and Technology, Thottiam	23.09.2023
	R Ragul M R Dhanabalaji P Gokul Sarathi R Kathirvel Sonal Kumar Ajay Kumar P Karthikeyan	III	One Day Training Program cum workshop on proximate analysis and characterization of biomass for bio-ethanol production	Sathyabama Institute of Science and Technology, Chennai	29.09.2023
	S Rajesh P Vijayabharathi M Arunmalu M Nantha Kumar R Selvam S Nilesh D Mithun Abhay Kumar R Subramani D Suresh P Saranya S Sabarish	IV	International Lecture series on Bridge Inspection Program in USA	Mahendra Engineering College, Namakkal	09.10.2023



P Gokul Sarathi T Sanjay Anish Kumar MD Samim	III	Workshop on design and drawing of RCC structures	Dr. N.G.P. Institute of Technology, Coimbatore	23.01.2024 & 24.01.2024
T Palanikumar R Ragul R Sivasundar M R Dhanabalaji	III	Skill development program on Environmental Technological Innovation for sustainable development	NIT Calicut, Kerala	29.01.2024 - 03.02.2024
S Nilesh V Sibiraj S Vasantharajan M Nandha Kumar D Suresh S Gokul	IV	Youth leadership Programme	Sree Saraswathi Thyagaraja College, Coimbatore	02.02.2024 & 03.02.2024
S Rajabharath T Sanjay P Gokul Sarathi	III	Seminar on "Contemporary Technological advancements in green energy conservation for Sustainable development"	Erode Sengunthar Engineering College, Erode	12.02.2024 - 16.02.2024
A Veeramani S Srinivasan R Sivasundar	III	Overcoming the Heights: Construction Challenges in Hilly Terrains	Excel Engineering College, Erode	23.02.2024
R Felix Nikesh Raj Karthickrajan R M Vasanth S	II	Workshop on Tekla Structures	Karpagam College of Engineering, Coimbatore.	15.03.2024
S Rajabharath P Manibharathi T Sanjay R Surendhar Kumar Anish Kumar	III	Seminar on Traffic Digitization using Intelligent Transport System	Excel Engineering College, Erode	22.03.2024 - 23.03.2024

Paper / Project Presentation Participation

S Dinesh, S Vasantharajan, IV Yr Presented a paper Geotechnical Innovations for Safer Foundations at Velalar College of Engineering and Technology, Erode on 07.10.2023



Jai Surya, IV Yr Presented a paper Role of Renewable Energy in Sustainable Urban Planning at KPR Institute of Engineering and Technology, Coimbatore on 13.10.2023



B Karthika, II Yr Presented a paper Waste Management and Recycling Strategies in Civil Construction at Karpagam College of Engineering, Coimbatore on 01.12.2023

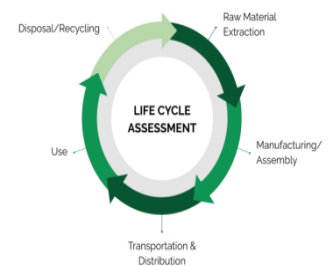
M D Samim, Anu Kumari, III Yr Presented a paper Advances in Smart Materials for Civil Infrastructure at P.A College of Engineering and Technology on 24.02.2024

R Surendhar Kumar, P Balagoutham, III yr Presented a paper Enhancing Construction Safety through Automation and Robotics at Kongu Engineering College, Erode on 16.03.2024 and won 1st Prize



G Kathiresan, Abhay Kumar, S Nilesh, M Nantha Kumar, D Mithun, S Dinesh Presented a paper Application of perovskite structured lithium titanate towards remediation of environment pollutants at Erode Sengunthar Engineering College on 21.03.2024 & 22.03.2024

B Karthika, K. Harishika Presented a paper Lifecycle Analysis of Civil Engineering Projects for Sustainability at Karpagam Institute of Technology on 21.03.2024 & 22.03.2024



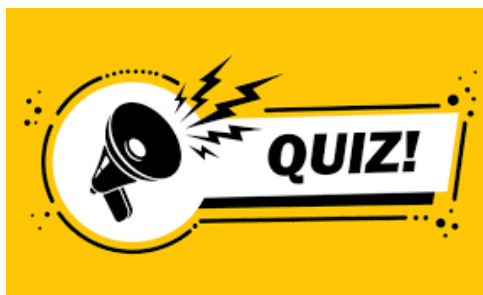
Technical Events Participation

Master Class on Electric Vehicle Design was organized by Pantech eLearning Pvt Ltd., Chennai at the national level from 28.06.2023 to 28.07.2023 (one month).
Participants: P. Balagoutham (III Year), P. Gokul Sarathi (III Year)



CADD Contest was conducted at Velalar College of Engineering and Technology, Erode on 07.10.2023 at the national level.
Participants: S. Dinesh (IV Year), S. Vasantharajan (IV Year), R. Jayanth (II Year), R. Felixnikeshraj (II Year), V. Kavin Saravanan (II Year), S. Vasanth (II Year)

Technical Quiz – Code Cracking was organized by KPR Institute of Engineering and Technology, Coimbatore* on 13.10.2023 at the national level.
Participants: D. Suresh (IV Year), P. Thirupathi (IV Year), R. Selvam (IV Year)(secured First place), P. Vijayabharathi (IV Year)



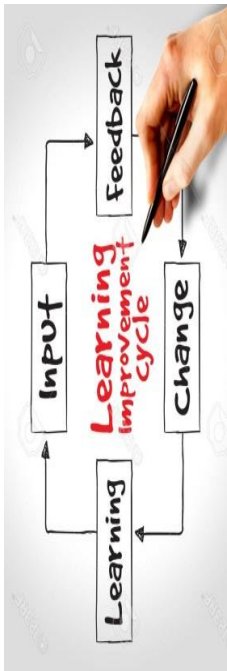
Build Bricks was conducted at Kongu Engineering College, Erode on 16.03.2024 at the national level.
Participants: R. Surendhar Kumar (III Year), P. Balagoutham (III Year), V. Mythili (III Year)

Flintography was conducted at Kongu Engineering College, Erode on 16.03.2024 at the national level.

Participants: M. Sriram (II Year), S. Radhakrishnan (II Year)



Students Co curricular Participation

	Name of the Student	Year / Sem	Title of the Event	Name of the Institution Organised	Date
	V Mythili	III / V	Intra Level Hackathon	Erode Sengunthar Engineering College, Erode	12.07.2023 & 13.07.2024
	S M Shriharini	III / V	Intra Level Hackathon	Erode Sengunthar Engineering College, Erode	12.07.2023 & 13.07.2024
	V Mythili	III / VI	Mega Hackathon	Vivekanandha College of Arts and Science for Women, Namakkal	13.02.2024 & 14.02.2024
	Anu Kumari	III / VI	Mega Hackathon	Vivekanandha College of Arts and Science for Women, Namakkal	13.02.2024 & 14.02.2024
	S M Shriharini	III / VI	Mega Hackathon	Vivekanandha College of Arts and Science for Women, Namakkal	13.02.2024 & 14.02.2024



EXTRA CURRICULAR ACTIVITIES

S. No	Name of the Student	Year of Study	Title of the Event	Name of the Organisation	Awards
1.	M. Harishprasath	III	4 X 100 Relay	Centies Association	I



INTERNSHIP BY STUDENTS

- Abhay Kumar, Ankit Kumar, Danish Kumar of IV year Civil Engineering has undergone Industrial Training at Harshita Construction, Bilaspur from 15.05.2023 to 10.06.2023.



- Dinesh S, Nanthakumar M, Nilesh S, Suresh D of IV year Civil Engineering has undergone Industrial Training at Sakthi Consulting Civil Engineers, Erode from 15.05.2023 to 10.06.2023.
- Gokul S, Sibiraj V of IV year Civil Engineering has undergone Industrial Training at Green Sky Construction from 15.05.2023 to 10.06.2023.
- Gunaseelan S of IV year Civil Engineering has undergone Industrial Training at Vinayaka Hi-Tech Builder's & Engineers, Erode from 15.05.2023 to 10.06.2023.
- Jayasurya P, Thirupathi P of IV year Civil Engineering has undergone Industrial Training at Sharath Constructions, Bangalore from 15.05.2023 to 10.06.2023.
- Kathiresan G, Selvam R, Thamizhanban S, Arun Malu M, Manivel R, Rajesh S of IV year Civil Engineering has undergone Industrial Training at Kandan Infra Projects Pvt Ltd, Madurai from 15.05.2023 to 10.06.2023.
- Subramani R, Mithun D, Sabarish S of IV year Civil Engineering has undergone Industrial Training at MRS Cosntruction, Mettur Dam from 15.05.2023 to 10.06.2023.
- Saranya P of IV year Civil Engineering has undergone Industrial Training at Prajamtira Constructions, Erode from 15.05.2023 to 10.06.2023.
- Vasantharajan S, Vijayabharathi P, Vinoth Raj of IV year Civil Engineering has undergone Industrial Training at RP Construction, Vellakoil from 15.05.2023 to 10.06.2023.
- Bala Goutham P, Palani Kumar T, Srinivasan S, Veeramani A of III year Civil Engineering has undergone internship at Babu Builders & Contractors, Erode from 02.01.2024 to 09.01.2024.
- Gokul Sarathi P, Manibharathi P, Rajabharath S, Dhanabalaji M R of III year Civil Engineering has undergone internship at Babu Builders & Contractors, Erode from 02.01.2024 to 09.01.2024.
- Harish Prasath M, Mythili V, Shri Harini S M, Thamizhendhi K of III year Civil Engineering has undergone internship at Sri Vishnu Builders, Coimbatore from 02.01.2024 to 09.01.2024.
- Ragul R, Sanjay T, Sivasundar R, Surendhar Kumar, Dhanush M of III year Civil Engineering has undergone internship at Brahma Construction, Tiruppur from 02.01.2024 to 09.01.2024.
- Anish Kumar, Anu Kumari, Md Samim, Chhotu Kumar of III year Civil Engineering has undergone internship at RR Thulasi Builders India (P) Ltd, Salem from 02.01.2024 to 09.01.2024.
- Aathinandha R, Felixnikeshraj R, Jeevan R, Karthikeyan P, Sriram M of II year Civil Engineering has undergone internship at MV Construction, Thirunindravur from 19.02.2024 to 24.02.2024.

- Ajay Kumar, Manish Kumar, Md Shahrukh Alam, Sonal Kumar, Vinay Kumar of II year Civil Engineering has undergone internship at RT Construction and Land Surveys, Natrampalli from 19.02.2024 to 24.02.2024.
- Boopathi T, Gokula Krishnan A, Kavim Saravana V, Sundaramoorthi P, Aravindh P of II year Civil Engineering has undergone internship at PG Constructions, Erode from 19.02.2024 to 24.02.2024.
- Deepika M, Harishka K, Karthika B, Radhakrishnan S, Renugadevi S of II year Civil Engineering has undergone internship at Brahma Construction, Tiruppur from 19.02.2024 to 24.02.2024.
- Gokul A S, Karthickrajan R M, Nandhakumar G, Surya P, Kathirvel R of II year Civil Engineering has undergone internship at Pari Planners & Builders, Perundurai from 19.02.2024 to 24.02.2024.
- Jeeva C R, Ramesh Kannan G, Sanjai M, Vasanth S, Jayanth R of II year Civil Engineering has undergone internship at SS Constructions, Tiruppur from 19.02.2024 to 24.02.2024

PLACEMENT

NAME	UNIVERSITY SERIAL NO	BRANCH	YEAR	COMPANY DETAILS
Abhay Kumar	20103002	B.E CIVIL	2024	SCG & Co, Tenkasi
Ankit Kumar	20103003	B.E CIVIL	2024	Team Solutions Pvt Ltd, Chennai
Dinesh S	20103004	B.E CIVIL	2024	Team Solutions Pvt Ltd, Chennai



Danish Kumar	20103005	B.E CIVIL	2024	Sujay Bhan Singh, Bihar
Gunaseelan S	20103007	B.E CIVIL	2024	Senate Engineering, Chennai
Jai Suriya P	20103008	B.E CIVIL	2024	Arrow Rebar Service, Salem
Kathiresan G	20103009	B.E CIVIL	2024	Arrow Rebar Service, Salem
Nanthakumar M	20103011	B.E CIVIL	2024	Team Detailing Solutions Pvt Ltd, Chennai
Nilesh S	20103012	B.E CIVIL	2024	Team Detailing Solutions Pvt Ltd, Chennai
Saranya P	20103014	B.E CIVIL	2024	Arrow Rebar Service, Salem
Selvam R	20103015	B.E CIVIL	2024	Arrow Rebar Service, Salem
Sibiraj V	20103016	B.E CIVIL	2024	Team Detailing Solutions Pvt Ltd, Chennai
Vijayabharathi P	20103022	B.E CIVIL	2024	Arrow Rebar Service, Salem
Vinoth Raj A	20103023	B.E CIVIL	2024	Shriram Properties Limited, Chennai
Arun Malu M	20103301	B.E CIVIL	2024	Apr Construction Pvt Ltd, Madurai

Manivel R	20103302	B.E CIVIL	2024	Uconpt Structural Sytem Private Limited, Bangalore
Mithun D	20103303	B.E CIVIL	2024	Repplen Projects Pvt Ltd, Chennai
Rajesh S	20103305	B.E CIVIL	2024	Spark Building Metal Products. Mfg L.L.C, Uae, Dubai



NPTEL

Elite



NPTEL Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to

S ARULMOZHI

for successfully completing the course

Sustainable Engineering Concepts and Life Cycle Analysis

with a consolidated score of **76** %

Online Assignments	22.88/25	Proctored Exam	53.06/75
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Total number of candidates certified in this course: 552

Jul-Sep 2023

(8 week course)



Prof. Haimanti Banerji
Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Dr.S.Arulmozhi, Sustainable Engineering Concepts and Life Cycle Analysis



MrK.Vallarasu, Introduction to Civil Engineering Profession

FACULTY PARTICIPATION

Dr. K. M. Gopalakrishnan

- Attended a One day Workshop on "Awareness on Outcome Based Education and NBA Accreditation", organized by the Internal Quality Assurance Cell at Erode Sengunthar Engineering College, Perundurai on 29.08.2023, with a duration of one day.
- Attended an FDP on "Advances in Structural Dynamics and Earthquake Engineering" at Nandha Engineering College, Erode from 21.08.2023 to 25.08.2023, with a duration of 5 days.
- Attended an FDP on "Emerging Materials and Technologies for Sustainable Structures" at NSN College of Engineering and Technology, Karur from 13.11.2023 to 17.11.2023, for 5 days.
- Attended an STTP on "Recent Advances in Earthquake-Resistant Design and Retrofitting" at Sri Krishna College of Engineering and Technology, Coimbatore from 05.02.2024 to 09.02.2024, with a duration of 5 days.
- Attended an STTP on "Building Information Modeling (BIM) for Smart Construction Practices" at Velammal College of Engineering and Technology, Chennai from 01.04.2024 to 06.04.2024, with a duration of 6 days.
- Attended an Workshop on "Low-cost housing" at PSG College of Technology, Coimbatore on 21.09.2024

**Dr. S. Christian Johnson**

- Attended an FDP on “Automation and Robotics in Construction Industry” at Paavai Engineering College, Namakkal from 17.07.2023 to 21.07.2023, with a duration of 5 days.
- Attended an FDP on “Construction Project Management and Future” at Builders Engineering College, Kangeyam from 03.10.2023 to 07.10.2023, lasting 5 days.

Dr. A. Gopalan

- Attended an FDP on “IoT and Cloud-Based Monitoring Systems for Infrastructure Development” at KPR Institute of Engineering and Technology, Coimbatore from 10.07.2023 to 15.07.2023, with a duration of 5 days.
- Attended an FDP on “Urban Planning and Smart City Development” at Vellalar College of Engineering and Technology from 12.02.2024 to 16.02.2024, for 5 days.
- Attended an STTP on “3D Printing and Prefabrication Technologies for Modern Construction” at Sri Sakthi Engineering College, Coimbatore from 20.11.2023 to 24.11.2023, with a duration of 5 days.
- Attended an STTP on “Building Information Modeling (BIM) for Smart Construction Practices” at Velammal College of Engineering and Technology, Chennai from 01.04.2024 to 06.04.2024, lasting 6 days.
- Attended a Workshop on "Computing and Analysis of Building Materials" at Sree Venkateshwara Hi-Tech Engineering College, Gobichettipalayam on 30.01.2024.

Dr. P. Balamurugan

- Attended an FDP on “Current Research Trends in the Field of Civil Engineering” at OP Jindal University, Raigarh from 05.02.2024 to 09.02.2024, with a duration of 5 days.
- Attended an FDP on “Disaster Mitigation and Management Strategies” at GMR Institute of Technology, Rajam from 18.12.2024 to 22.12.2024, for 5 days.
- Attended an STTP on “IoT and Smart Sensors for Structural Monitoring” at Kongunadu College of Engineering and Technology, Namakkal from 04.03.2024 to 08.03.2024, lasting 5 days.

Dr. S. Arulmozhi

- Attended a One day Workshop on "Awareness on Outcome Based Education and NBA Accreditation" organized by the Internal Quality Assurance Cell at Erode Sengunthar Engineering College, Perundurai on 29.08.2023, with a duration of 1 day.
- Participated in an AICTE FDP on Refresher Course in Engineering Physics at National Institute of Technical Teachers Training and Research, Chandigarh from 17.07.2023 to 28.07.2023, with a duration of 2 weeks.

**Mr. R. Krishnasamy**

- Attended an FDP on “Green Building Materials and Sustainable Construction” at PSG College of Technology, Coimbatore from 21.08.2023 to 25.08.2023, with a duration of 5 days.
- Participated in an STTP on “Advances in Structural Dynamics and Earthquake Engineering” at Nandha Engineering College, Erode from 13.11.2023 to 17.11.2023, lasting 5 days.

Mr. S. Boobathiraja

- Attended an FDP on “Advances in Structural Dynamics and Earthquake Engineering” at Nandha Engineering College, Erode on 21.08.2025-25.08.2025
- Attended an FDP on “Emerging Materials and Technologies for Sustainable Structures” at NSN College of Engineering and Technology, Karur, held from 13th to 17th November 2023.
- Attended a Short-Term Training Program (STTP) on “Recent Advances in Earthquake-Resistant Design and Retrofitting” at Sri Krishna College of Engineering and Technology, Coimbatore, from 5th to 9th February 2024.
- Attended a workshop on “Low-Cost Housing” organized at PSG College of Technology, Coimbatore, on 21st September 2024.

Mr. P. Selva Kumar

- Attended a Faculty Development Program (FDP) on “Automation and Robotics in Construction Industry” at Paavai Engineering College, Namakkal, from 17th to 21st July 2023.
- Attended an FDP on “Construction Project Management and Future” at Builders Engineering College, Kangeyam, held from 3rd to 7th October 2023.
- Attended a Short-Term Training Program (STTP) on “3D Printing and Prefabrication Technologies for Modern Construction” at Sri Sakthi Engineering College, Coimbatore, from 20th to 24th November 2023.
- Attended a STTP on “IoT and Smart Sensors for Structural Monitoring” at Kongunadu College of Engineering and Technology, Namakkal, from 4th to 8th March 2024.

Mr. M. Balaji

- Attended a Faculty Development Program (FDP) on “Advances in Structural Dynamics and Earthquake Engineering” at Nandha Engineering College, Erode, from 21st to 25th August 2023.
- Attended an FDP on “Emerging Materials and Technologies for Sustainable Structures” at NSN College of Engineering and Technology, Karur, held from 13th to 17th November 2023.
- Attended a Short-Term Training Program (STTP) on “Recent Advances in Earthquake-



Resistant Design and Retrofitting” at Sri Krishna College of Engineering and Technology, Coimbatore, from 5th to 9th February 2024.

- Attended a workshop on “Low-Cost Housing” organized at PSG College of Technology, Coimbatore, on 21st September 2024.

Ms. K. Mohanapriya

- Attended a Faculty Development Program (FDP) on “IoT and Cloud-Based Monitoring Systems for Infrastructure Development” at KPR Institute of Engineering and Technology, Coimbatore, from 10th to 15th July 2023.
- Attended an FDP on “Urban Planning and Smart City Development” at Vellalar College of Engineering and Technology, held from 12th to 16th February 2024.

Mr. M. Dhivakar Karthick

- Attended a Workshop on "Awareness on Outcome Based Education and NBA Accreditation" organized by the Internal Quality Assurance Cell, Erode Sengunthar Engineering College, Perundurai on 29.08.2023
- Participated in a Workshop on "Writing Quality Technical Papers: IEEE" conducted at Kongunadu College of Engineering and Technology on 25.08.2023
- Attended a Webinar on "NEP-2020 Implementation Plan: Multiple Entry and Exit System" organized by *Jawaharlal Nehru Technological University, Hyderabad on 09.10.2023
- Attended a Webinar on "3D Printed Concrete: An Introduction" organized by the Indian Concrete Institute, Coimbatore Centre, Tamil Nadu on 26.04.2024

Mr. J. Arun Prasad

- Attended an AICTE FDP on "Refresher Course in Engineering Physics" organized by the National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh from 17.07.2023 to 28.07.2023
- Attended the ATAL FDP on "Construction Automation and Robotics towards Sustainable Infrastructure" conducted at Sri Venkateswara College of Engineering, Chennai from 07.12.2023 to 13.12.2023
- Participated in a Workshop on "Awareness on Outcome Based Education and NBA Accreditation" organized by the Internal Quality Assurance Cell, Erode Sengunthar Engineering College, Perundurai on 29.08.2023

Mrs. B. Anukarthika

- Attended an FDP on "Current Research Trends in the Field of Civil Engineering" organized by OP Jindal University, Raigarh from 05.02.2024 to 09.02.2024

**Mr. K. Vallarasu**

- Completed the AICTE FDP on "Refresher Course in Engineering Physics" organized by the National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh from 17.07.2023 to 28.07.2023
- Attended a Workshop on "Relevance of Site Effect for Earthquake Resistant Construction" conducted by Ultra Tech Cement Ltd. on 10.06.2023
- Participated in the SERB Workshop on "Artificial Intelligence, IoT & Sensors for Agriculture, Forestry and Environmental Conservation" organized by *National Institute of Technology, Calicut from 24.07.2023 to 30.07.2023
- Joined the Workshop on "Awareness on Outcome Based Education and NBA Accreditation" conducted by the Internal Quality Assurance Cell, Erode Sengunthar Engineering College, Perundurai on 29.08.2023
- Took part in a training on "SPSS in Research – Innovative Technologies for Sustainable Environment" organized by the Star International Foundation for Research and Education from 26.12.2023 to 30.12.2023
- Successfully completed the "National Education Policy 2020: Professional Development Programme" offered through SWAYAM from 01.04.2024 to 30.04.2024

FACULTY PUBLICATIONS**Dr. S. Christian Johnson**

- Seismic Performance of RC Beam-Column joints Retrofitted with GFRP
- Journal: Gongcheng Kexue Yu Jishu / Advanced Engineering Science
- ISSN: 2096-3246, Volume 55, Issue 07, July 2023

Dr. S. Christian Johnson

- Seismic Retrofitting of Beam-Column joints using CFRP Nitowrap method
- Journal: Euro Chemical Bulletin
- ISSN: 2023, 12(5), pp.1081-1104

Dr. S. Christian Johnson,**Mr. R. Krishnasamy**

- Crushing performance of Pultruded GFRP angle section with various connections and joints on lattice towers
- Journal: Matéria (Rio de Janeiro)
- DOI: <https://doi.org/10.1590/1517-7076-RMAT-2023-0003>

Mr. R. Krishnasamy

- Durability Evaluation of Cactus-infused M25 Grade Concrete as a Bio-admixture
- Journal: Periodica Polytechnica Civil Engineering
- DOI: <https://doi.org/10.3311/PPci.22050>

Dr. K. M. Gopalakrishnan

- Characterization of Sewage Wastewater by USAB Reactor Treatment
- Journal: International Journal of Mechanical Engineering
- ISSN: 0974-5823 | ISBN: 978-93-91535-32-2

Dr. S. Christian Johnson**Dr. R. Krishnasamy**

- Experimental investigation of lateral load test on diagonal braced 3m glass fiber reinforced polymer transmission tower

- Journal: Power Research – A Journal of CPRI
- DOI: 10.33686/pwj.v19i2.1150



Dr. S. Christian Johnson

- Performance Evaluation of Fibre Reinforced Pervious Concrete Pavement
- Journal: Revista Romana de Materiale
- Volume 53, Issue 3

Dr. A. Gopalan

- Behavior of Concrete when coarse aggregate is partially replaced with aluminum caps and fine aggregate with Quarry dust
- Journal: JuniKhyat
- ISSN: 2278-4632

Dr. S. Arulmozhi

- Assessment of urban river water quality indices in the Noyyal river sub basin, Tirupur, Tamilnadu, India
- Journal: AIP Conference Proceedings
- DOI: <https://doi.org/10.1063/5.0173804>

Dr. S. Arulmozhi

- Optimized Biomethanization of Grinded Organic Waste using Catalyst
- Journal: E3S Web of Conferences

- DOI: <https://doi.org/10.1051/e3sconf/202345503004>

Dr. S. Arulmozhi

- Spatial variation analysis of groundwater quality for irrigation purpose using GIS
- Journal: Materials Today Proceedings
- DOI: <https://doi.org/10.1016/j.matpr.2023.04.634>

Dr. R. Krishnasamy

- Study on co-composting of faecal sludge treatment plant sludge with municipal solid waste
- Journal: AIP Conference Proceedings
- DOI: <https://doi.org/10.1063/5.0170806>

Dr. R. Krishnasamy

- Recent development of fiber reinforced polymer composite towers – A comprehensive review
- Journal: CIGRE India Journal
- Print ISSN: 2250-0081, Online ISSN: 2250-009X

Dr. R. Krishnasamy

- Testing and Evaluation of Buckling and Tensile Performance of Glass Fiber-Reinforced Polymer Angle Section with Different Joints/Connections
- Journal: Journal of Testing and Evaluation
- DOI: 10.1520/JTE20230010

Dr. R. Krishnasamy

- Concrete Strength: Rubber Crumbs & Steel Slag Mix – Python Analysis
- Journal: Journal of Computational Engineering and Physical Modeling
- DOI: 10.22115/CEPM.2024.450919.1296

M. Dhivakar Karthick

- Conversion of waste polypropylene plastics into commercial fuel by pyrolysis method
- Journal: AIP Conference Proceedings
- DOI:
<https://doi.org/10.1063/5.0170133>

Mr. M. Dhivakar Karthick

- Study on organic & inorganic membrane on wastewater treatment
- Journal: AIP Conference Proceedings
- DOI:
<https://doi.org/10.1063/5.0170877>

Mr. K. Vallarasu

- Catalytical Degradation of Industrial Dyes using Biosynthesized Nanoparticles – Review
- Journal: Journal of Environmental Nanotechnology
- DOI:<https://doi.org/10.13074/jent.2023.12.234489>

Mr. K. Vallarasu

- ZnO heterojunction photocatalysts prepared via facile green synthesis process attaining improved photocatalytic function for degradation of methylene blue dye
- Journal: Desalination and Water Treatment
- DOI:
<https://doi.org/10.1016/j.dwt.2024.100391>

R&D FUNDS RECEIVED

- Mr. M. Dhivakar Karthick received a fund of Rs.7,500 from TNSCST for the project titled “Potential application of novel microbe as a healant in cement.”

- Mr. M. Dhivakar Karthick received a fund of Rs.7,500 from TNSCST for the project titled “Enumeration of calcium precipitation of potential microorganism.”



INDUSTRIAL VISIT

Our department places strong emphasis on industrial visits as a vital component of practical learning. The Kundah Underground Pumped Storage Hydroelectric power project is being carried out by MEIL and is located in the scenic Nilgiri Hills, a UNESCO World Heritage Site. Pumped storage hydropower technology is used in this project to capture the potential energy of water held at high elevations. The two reservoirs—the top reservoir, Porthimund, and the lower reservoir, Avalanche-Emerald—are among the project's key features. Subterranean tunnels carry water from the upper reservoir, which spins turbines in the power house to provide clean electricity when demand for electricity peaks. In order to efficiently store energy for later use, excess electricity from the grid is used to pump water back from the lower reservoir to the upper reservoir during off-peak





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