



IN BLICK

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**CIVIL DEPARTMENT
NEWSLETTER**

**DEPARTMENT OF CIVIL ENGINEERING
EASWARI ENGINEERING COLLEGE
(AUTONOMOUS)**

IN BLICK

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DEPARTMENT OF CIVIL ENGINEERING



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CIVIL NEWSLETTER

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Department Vision

To provide basic and advanced knowledge and skills among civil engineering students so as to meet the changing industrial and research needs to become the acknowledged leader in civil engineering.



Department Mission

- To provide education in the field of civil engineering and guide them towards technical advancement
- To impart essential skills to the students and enhance their employable potential and entrepreneurial capabilities
- To educate the student in solving problems related to interdisciplinary fields
- To nurture leadership skills with social consciousness to act professionally and ethically
- Extend engineering knowledge through creative, innovative projects and research so as to promote consultancy for industrial and social needs.
- To use modern engineering tools and appropriate teaching techniques for modeling, analyzing and designing the real world problems



PROGRAMME EDUCATIONAL OBJECTIVES (PEOS)

- Graduates will have fundamental technical knowledge in their domain and contribute to the development of various disciplines of civil engineering such as Structural engineering, Construction management, Environmental engineering by continuous education.
- Graduates will exhibit effective communication, leadership, problem solving and decision-making skills by understanding contemporary issues in industry and contribute to overall personality and career development
- Graduates shall ensure sustainable development through lifelong learning and be socially responsible..



- Graduates will be proficient in academics and a segment of our graduates will pursue higher studies and involve in research and development in the various branches of civil engineering
- Graduates will apply the fundamentals of science (Mathematics, Physics and Chemistry) in engineering and be capable of teaming with multi-disciplinary professionals to analyze, design and execute projects in the field for obtaining solutions to emerging technical problems..

PROGRAMME OUTCOMES (PO)

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

ii) Problem Analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.

iii) 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.

iv) 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 conclusions for complex problems:

That cannot be solved by straightforward application of knowledge, theories and techniques applicable to the engineering discipline as against problems given at the end of chapters in a typical text book that can be solved using simple engineering theories and techniques;

that may not have a unique solution. For example, a design problem can be solved in many ways and lead to multiple possible solutions;

that require consideration of appropriate constraints / requirements not explicitly given in the problem statement such as cost, power requirement, durability, product life, etc.; which need to be defined (modeled) within appropriate mathematical framework; and that often require use of modern computational concepts and tools, for example, in the design of an antenna or a DSP filter.

v) Modern Tool Usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PROGRAMME OUTCOMES (PO)

- vi) 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.
- viii) Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- ix) Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- x) Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- xi) Project Management and Finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- xii) Life-long Learning: Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.





MEENAKSHI TEMPLE



Madurai Meenakshi Sundareswarar temple was built by Pandayan Emperor Sadayavarman Kulasekaran I (1190 CE–1205 CE). He built the main Portions of the three-storeyed Gopuram at the entrance of Sundareswarar Shrine and the central portion of the Goddess Meenakshi Shrine are some of the earliest surviving parts of the temple. The traditional texts call him a poet-saint king, additionally credit him with a poem called Ambikai Malai, as well as shrines (koil) each for Natarajar and Surya near the main temple, Ayyanar in the east, Vinayagar in the south, Kariamalperumal in the west and Kali in the north.

He also built a Mahamandapam. Kulasekara Pandya was also a poet and he composed a poem on Meenakshi named Ambikai Malai.^[9] Maravarman Sundara Pandyan I built a gopuram in 1231, then called Avanivendaraman, later rebuilt, expanded and named as Sundara Pandya Thirukkopuram.^[9] Chitra gopuram (W), also known as Muttalakkum Vayil, was built by Maravarman Sundara Pandyan II (1238-1251). This gopuram is named after the frescoes and reliefs that depict secular and religious themes of Hindu culture. Maravarman Sundara Pandyan II also added a pillared corridor to the Sundareswara shrine and the Sundara Pandyan Mandapam.^[9] It was rebuilt after the 14th-century damage, its granite structure was renovated by Kumara Krishnappar after 1595.



PRIDE OF INDIA

INDIA GATE



The India Gate (formerly known as All India War Memorial) is a war memorial located near the Kartavya path on the eastern edge of the "ceremonial axis" of New Delhi, formerly called Rajpath. It stands as a memorial to 84,000 soldiers of the British Indian Army who died between 1914 and 1921 in the First World War, in France, Flanders, Mesopotamia, Persia, East Africa, Gallipoli and elsewhere in the Near and the Far East, and the Third Anglo-Afghan War.

13,300 servicemen's names, including some soldiers and officers from the United Kingdom, are inscribed on the gate.[2] Designed by Sir Edwin Lutyens, the gate evokes the architectural style of the memorial arch such as the Arch of Constantine, in Rome, and is often compared to the Arc de Triomphe in Paris, and the Gateway of India in Mumbai.





INSPIRATIONAL STORY

VICKY ROY



At the age of 11, Roy ran away from home to New Delhi to save himself from an abusive grandfather. He worked as a dishwasher and rag picker at the New Delhi railway station for months until a doctor referred him to the Salaam Balak non-governmental organisation (NGO). In the NGO, Roy met a British photographer who became his inspiration. At the age of 18, the NGO presented a camera to him, and he left after getting an apprenticeship with Anay Mann.

Street Dreams was his first solo photography exhibition in 2007, and was held at the India Habitat Centre in New Delhi. During the 2013 Delhi Photo Festival, the Nazar Foundation released **Home Street Home**, his first monograph. In 2017, his first solo show was showcased at the Vadehra Art Gallery, titled **This Scarred Land: New Mountainscapes**. In 2018, he was a part of the Houston FotoFest Biennial and Kochi-Muziris Biennale.



**THE REAL BEAUTY
OF THE BUILDING IS
SEEN WHEN THE
RIGHT PAINTS
TOUCH ITS WALLS.**

Ernest Agyemang Yeboah

QUOTES



*A new year Is the best Time
To Make fresh new Beginnings as you Begin
A New chapter of your life
To fill up the pages with Beautiful verses*

*-Thomas Britto
Civil Engineer*





REINSTALLATION OF ASSOCIATION OF CIVIL ENGINEERS



Department of Civil Engineering, Easwari Engg. College(Autonomous) organised the reinstatement of Association of Civil Engineers students chapter on 10.08.2023 between 10.00am to 11.00am at TRP Auditorium, Easwari Engineering College. Dr.S.Lavanya Prabha, HOD, Department of Civil Engineering gave the welcome address followed by ACE President Mohana Sakthi Ruban who gave the Annual report of the ACE students chapter. After which Dr. M. Gopinath, Chief Engineering manager, L&T GeoStructure addressed the gathering. The office Bearers introduced and distributed the badges by the dignitaries. The reinstatement of ACE was successfully conducted.





IDEATHON'23 EVENT ON 'GREENOVATION'



Yuga Club and Green campus functional committee of Institute has conducted an ideathon event on 'Greenovation' at Hi-Tech hall, Easwari Engineering College, Ramapuram on 14th August 2023 from 9:00 AM to 4.00 PM exclusively for the students of our institute.





INDIAN PLUMBING ASSOCIATION REINSTALLATION



Indian Plumbing Association of Easwari Engineering College conducted the reinstallation for the year 2023-2024. The event started with the Tamil Thai Vazhthu, followed by the lighting of the lamp and the Introduction of the chief guest, Mr.SUDHAKAR,Proprietor of Aksheya Enterprises, Chennai. Then, the chief guest distributed the badges to the office bearers of the year 2023-2024, followed by the guest lecture by Mr.Sudhakar. The guest lecture was on “Opportunities in MEP building services.”





IPA NEERATHON



Indian Plumbing Association of Easwari Engineering College conducted an IPA NEERATHON on the awareness to save water for 2023-2024. The event started at 5:00 am. Before that, from 4:30 am, there was the distribution of t-shirts, batch numbers, water bottles, etc for the runners. There were nearly 1000 participants in the marathon. These 1000 participants include college students, elder people, children, etc ,.

At 5:00am 10km marathon was started followed by 5 and 3 km. After completing the medals were distributed to the participants, for each category of winners separate medals were given. The medals for the winners were given by the chairman of Indian Plumbing Association. They provided breakfast for everyone.





GREEN AWARENESS RALLY



Easwari Engineering College, Green Campus Functional Committee & Indian Green Building Council Student Chapter has successfully conducted ***GREEN AWARENESS RALLY*** on 15 September 2023 from 09.30 to 10.30 a.m. Principal ceremoniously raised the flag to kickstart the event. The rally started from Admin block and ended in TRP auditorium. The rally saw enthusiastic participation from students, faculty, and staff, promoting environmental awareness within and beyond the college campus. Participants carried powerful messages advocating for environmental protection and sustainability throughout the rally





A QUIZ COMPETITION ON “ GREEN BUILDINGS: NEED OF THE HOUR.”



IGBCchapter of Department of Civil Engineering has conducted a Quiz Competition on “ Green Buildings : Need of the hour ” at Easwari Engineering College, Ramapuram on 15th September 2023 from 10:30 AM to 11.00 AM exclusively for the students of Department of Civil Engineering students. Students from 3rd & final years of civil department participated in the quiz competition.



IN BLICK EDITORIAL TEAM



Mr. Lenin dhal
Asst.prof./civil engg.



Vignesh B
Final year /civil engg.



Pavan Raj N
Final year /civil engg.



Kishore K
Final year /civil engg.



Surya R
Final year /civil engg.