



IN BLICK

ISSUE 4

CIVIL DEPARTMENT
NEWSLETTER

DEPARTMENT OF CIVIL ENGINEERING
EASWARI ENGINEERING COLLEGE
(AUTONOMOUS)

IN BLICK

CONTENTS

DEPARTMENT OF CIVIL ENGINEERING



CHIEF EDITOR

Mr. Lenin Dhal

Assistant Professor

Jan 2023 - Apr 2023
CIVIL NEWSLETTER
IN BLICK

- 1 VISION & MISSION
- 2 PEOS & POS
- 3 BRIHADEESWARAR TEMPLE
- 4 PRIDE OF INDIA
- 5 INSPIRATIONAL STORY
- 6 QUOTES
- 7 INDUSTRIAL VISIT
- 8 PRIDE ACHIEVEMENTS
- 9 SHORT TERM COURSES
- 10 FACULTY ACHIEVEMENTS
- 11 WORLD PLUMBING DAY
- 12 PRIDE ACHIEVEMENTS
- 13 WRITING COMPETITION
- 14 INTERNATIONAL CONFERENCE
- 15 ISR ACTIVITY

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.



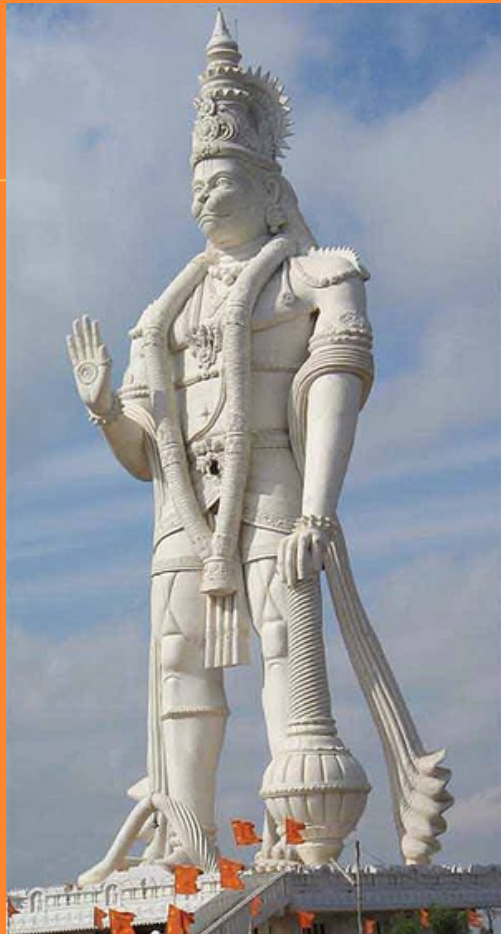


BRIHADEESWARAR TEMPLE



Brihadeeshwara Temple (Peruvudaiyar Kovil) is a Hindu temple dedicated to Shiva located in Thanjavur in the Indian state of Tamil Nadu. It is also known as Periya Kovil, RajaRajeswara Temple and Rajarajesvaram. It is one of the largest temples in India and is an example of Dravidian architecture during the Chola period. Built by emperor Raja Raja Chola I and completed in 1010 AD, the temple turned 1000 years old in 2010. The temple is part of the UNESCO World Heritage Site known as the "Great Living Chola Temples", with the other two being the Brihadeeswarar Temple, Gangaikonda Cholapuram and Airavatesvara temple.

The temple stands amidst fortified walls that were probably added in the 16th century. The vimanam (temple tower) is 216 ft (66 m) high and is the tallest in the world. The Kumbham (the apex or the bulbous structure on the top) of the temple is carved out of a single rock and weighs around 80 tons. There is a big statue of Nandi (sacred bull), carved out of a single rock measuring about 16 ft (4.9 m) long and 13 ft (4.0 m) high at the entrance. The entire temple structure is made out of granite, the nearest sources of which are about 60 km to the west of temple. The temple is one of the most visited tourist attractions in Tamil Nadu.



PRIDE OF INDIA PARITALA ANJANEYA TEMPLE



Paritala Anjaneya Temple is a temple residing a statue of Bhagavan Hanuman. The status of this statue being the second tallest one dedicated to Bhagavan Hanuman in the world has been replaced by another statue located at Manav Bharti University, Solan, with a height of 155 ft and 2 inches. The current record is held by the statue in Madapam, Srikakulam district on the banks of the river Vamsadhara in North Andhra (171 ft). It has also been awarded by the Limca Book of Records.

The temple is located in the village of Paritala on NH-65, approximately 30 km from the city of Vijayawada, in the Indian state of Andhra Pradesh. The statue was installed in the year 2003 and stands 135 feet (41 metres) tall.





INSPIRATIONAL STORY

J.K ROWLING



We now move on to J.K Rowling whose story is the most notable inspiring success story ever. The person is responsible for the creation of Harry Potter, who is the most iconic and inspiring fictional character of all time. J.K Rowling is one of the most renowned authors of our time. Everyone knows the fantastic world of Harry Potter today but not everyone knows about the person who brought that world into life. After the death of her mother, she moved to Portugal in order to teach English. She married a man there and had a daughter with him. However, after some time both of them parted ways and filed for a divorce.

This was a turning point in her life as she moved to a different city with her daughter and three chapters of Harry Potter that she wrote before. J.K Rowling even suffered depression, anxiety during this time. After about two years she finally completed Harry Potter which was rejected by 12 publications. Soon after, the book was accepted and published and the rest is history. Her story teaches her that no matter what life throws at us, the solution is always inside us.





QUOTES



Nothing is so inspiring as seeing big works well laid out and planned and a real engineering organization.





PRIDE ACHIEVEMENTS



Team Smart Crew - Multi disciplinary Project Leak Detection in Concealed Pipelines got First Place in the event Project Presentation of Civilisation'23 (National Level Technical Symposium) organized by Dept. Of Civil Engg., CEG, Anna University.

Team Smart Crew - Multi disciplinary Project Leak Detection in Concealed Pipelines got Third Place in the Project Day organized by Research Cell of SRM Group of Institutions, Ramapuram

Team Members:
S.Shriram, III Civil Engg.
J.Bibin Joe, III RA
A.Keerthika, III Civil Engg.

Mentor:
Mr. R. Dinesh Kumar, Asst. Prof./Civil Engg.





YOUTH UNDER GREEN AWARENESS CLUB INDUSTRIAL VISIT



The Industrial Visit was organized by Department of Civil Engineering, for 2nd & 3rd year students of Easwari Engineering College. Dr.M.Siva, Assistant professor, YUGA club coordinator went for the visit along with students. The main objective is to visualize and acquire knowledge about various Sustainable Development Goals (SDG) achieved in kuthambakkam village by R Elango sir. Mr. R Elango sir, a Dalit leader made the systems to work well and improved the economy of his village. During the first five years, he made a lot of transformation in the village, including creating opportunities for employment generation and education. During his second term, he completed all the unfinished works and placed his village in the Indian map as a Model village.



The industrial visit was very useful for us in understanding the various 17 Sustainable Development Goals. R Elango sir's inspirational words motivated the students to join him in developing other villages for education and employment opportunities.





NATIONAL LEVEL TECHNICAL SYMPOSIUM

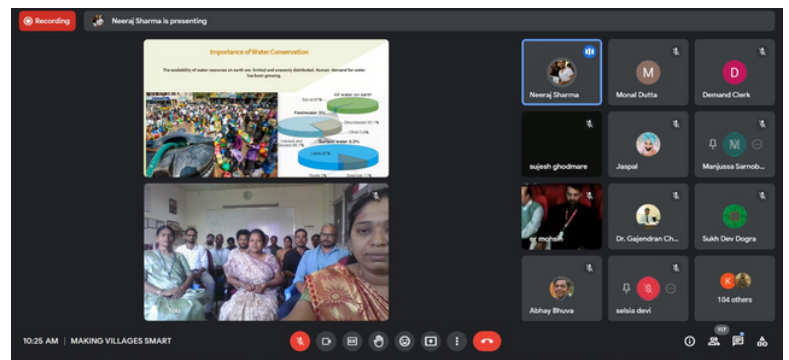


On February 18 2023, ACE, ICI, IE, IPA, IGBC and YUGA STUDENT CHAPTERS organized the annual National Level Technical symposium “ASTHIVAARA INVICTO” by the Department of Civil Engineering, at the college campus. This year with 650 participants from several colleges participating in various technical and non-technical events. The event started with the formal inaugural function in the presence of the chief guest Mr. K. Senou Head - Technical Services, B & F IC, L&T Construction. And the guest of honor Mr. R. Shiva Shankar Lead Engineer- Civil & Structural. Dr. S. Lavanya Prabha, HOD/ Civil welcomed the gathering. Dr. R. S. Kumar, Principal/EEC delivered the presidential address and the Inaugural addresses were delivered by Chief guest and guest of honor. The souvenir book and CD was released by the dignitaries in the presence of the participants from other colleges.



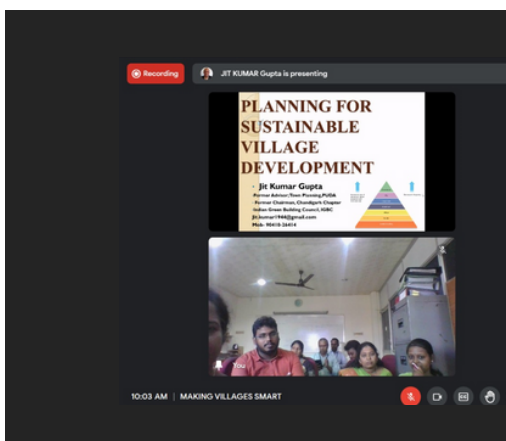


SHORT TERM COURSES (FDPS) IN COLLABORATION WITH NITTTR



Dept. Of Civil Engg Organized 3 short term courses (FDPs) in Collaboration with NITTTR, Chandigarh

1. "Making Villages Smart" from 20-24 Feb 2023-Oplan No. ICT-167
2. "Recycling Materials in Highway Construction" from 6-10 , March,2023 -Oplan No. ICT-168,
3. "Evaluation and Rehabilitation of Pavements" from 20-24 March, 2023 -Oplan No. ICT-178.



Our heartfelt gratitude to our honorable Chairman sir and Co-chairman sir ,our Chief Director sir and Director sir for supporting us. We would like to extend our gratitude to our Principal, Vice Principal (Academic) & Vice Principal (Admin) and HoD/Civil for encouraging us to conduct these Faculty Development Programs.





FACULTY ACHIEVEMENTS



Dr. R. Gopalakrishnan Prof, Civil Dept Participated as chief Guest, Project exhibition, Sairam engineering college , Chennai.



L Chandrakanthamma Completed NPTEL Online Course Electronic waste management Elite grade



Dr. G. Senthil Kumar Ast/Prof, Civil Dept Participated as chief guest and session chair at Meenakshi Sundarajan Engineering College Civil Department symposium event.



Dr. M. Siva and J. Ajith Ast/Prof, Civil Dept completed the Faculty Development Programme conducted during 13-24 March 2023

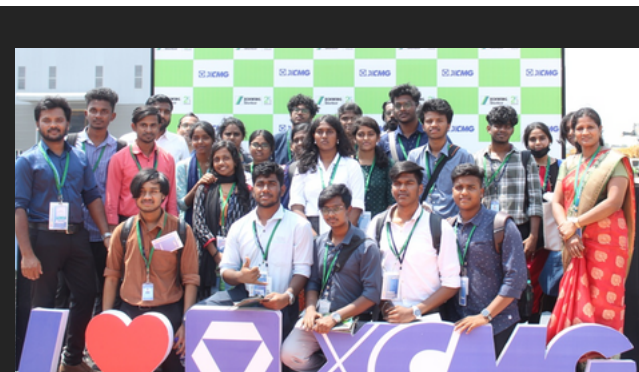




INDUSTRIAL VISIT



Department of Civil Engineering, Easwari Engineering College organized the industrial visit for I year students of B.E Civil Engineering and M.E Structural Engineering, Principal, HOD of Mechanical Department, HOD of Civil Department and 3 Faculty members of Civil Engg. The visit was arranged by ICI Chairman Chennai Er. Muralidharan. The objective of the visit is to visualize and gain more knowledge about the Manufacturing of construction equipment its applications and how it can be implemented in our real-time project. Also they got brief explanation and visit various concrete mixers, Excavators, 3D printers, Drillers, Weigh Bridge and Pile rigs, etc. Students learnt about the basics in Concrete making, mixing, and different applications in various places. Students can also attend seminar session. Which have the topics about Force distribution in buildings, Pumping of concrete and 3D printing by Dr. Prakash, professor from IIT Bombay.

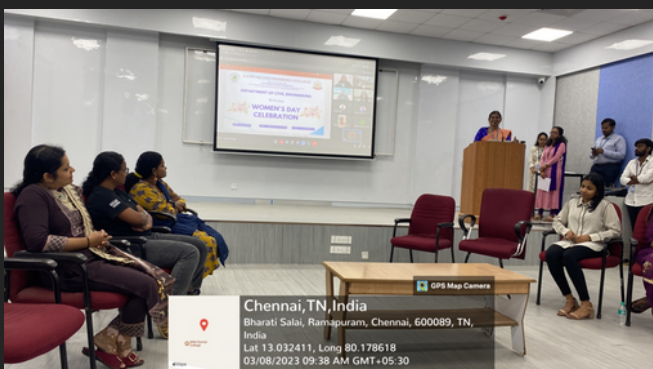




WOMEN'S DAY PROGRAMME



Women's day programme was organized by ICI Student Chapter, Department of Civil Engineering, Easwari Engineering college for girl students of B.E civil engineering & M.E Structural engineering of Easwari Engineering College. Celebration for Women's day was organized by Department of Civil Engineering (Easwari Engineering College), 8th March 2023. The dignitaries are the alumni of Easwari Engineering College from various sectors where some of the alumni joined through online mode. All the talks were very useful for the girl's students and it will help them to develop the skills and to precede the career in the right path.



Chennai, TN, India
 Bharati Salai, Ransapuram, Chennai, 600089, TN,
 India
 Lat 13.032411, Long 80.178618
 03/08/2023 09:38 AM GMT+05:30





WORLD PLUMBING DAY

EASWARI ENGINEERING COLLEGE
An Autonomous Institution
APPROVED by ANNA UNIVERSITY
RAMAPURAM, CHENNAI

25

wpd

DEPARTMENT OF CIVIL & MECHANICAL ENGINEERING
Jointly Presents

Student's Chapter of INDIAN PLUMBING ASSOCIATION

World Plumbing Day
Competition Title: I SAVE WATER

DRAWING COMPETITION | POSTER COMPETITION | ESSAY WRITING

LAST DATE FOR SUBMISSION : 14/03/2023

Registration: [Google Forms https://forms.gle/9syzbAeW5fXrTIKd8](https://forms.gle/9syzbAeW5fXrTIKd8)
Drawing and Easy to be submitted here: ipa.eec.2020@gmail.com

Convenor: Dr. S. Lavanya Prabha, Professor & Head / Civil
Coordinators: Mrs. M. Amala | Dr. S. Virappan
Asst. Prof. / Civil Professor / Civil

[/SRMEaswariOfficial](#) [/srmeaswari](#) [/srm_easwari](#) [srmeaswari.ac.in](#)

Easwari Engineering College, followed IPA Student Chapter Organizer competition series in order to celebrate the World Plumbing Day on March 14th, 2023 on the theme “SAVE WATER”. The competition started from 05-03-2023 and went on up to 14-03-2023, the contest had 3 different varieties of events which are.,

- Drawing competition
- Essay writing
- Poster competition

The contest was held with no registration fee, participants from various engineering colleges actively participated and sent their entries to the given mail ID. As the theme was on “Save Water”, the entries had new ideas, variation and crisp. Finally, the deciding panel, selected the winners on the basis of unique hand works and sculptured notions.



All the Three events were awarded with 3 prizes.,
Cash prize
1st prize 1000
2nd prize 500
3rd prize 300





PRIDE ACHIEVEMENTS



Easwari Engineering College (Autonomous) Dept. Of Civil Engg. 27 students and two faculty members participated in Aakaar 2023 Organised by IIT Bombay on 18-19 March, 2023 and secured following 5 different prizes and awards

Paper presentation

First Prize

CENEX (Project Display)

Second Prize

MSE Wall Construction

(on spot Technical Event)

Second Prize &

Third Prize

College Representative Program

Best CR Award - LOR for CR

Our heartfelt gratitude to our honorable Chairman sir and Co-chairman sir for their encouragement to achieve this level of achievements. Also thanking our Chief Director sir and Director sir for supporting us. Moreover, we would like to extend our gratitude to our Principal, Vice Principal (Academic) & Vice Principal (Admin) and HoD/Civil for encouraging us to make such remarkable achievements.





STANDARDS CLUB WRITING COMPETITION



Easwari Engineering College, followed Standards Club Organizer Writing competition series in order on March 23th , 2023 on topic Standards writing competition.

the events were awarded with
prizes.,
1st prize
2nd prize
3rd prize





INDUSTRY SUPPORTED COURSE



The Department of civil engineering has arranged an industry supported course on Building service engineering for 3rd yr students, 3 modules will be taught to the students Fire and Safety Course including first aid course will produce Fireman or Fire Supervisors or Fire Marshals, competent and capable of serving and securing the industries by carrying out fireman jobs or fire supervisor jobs to the satisfaction of the employer.





INTERNATIONAL CONFERENCE ON “SUSTAINABLE ENVIRONMENT & CIVIL ENGINEERING”



On March 30th & 31st 2023, ACE, ICI, IE, IPA, IGBC and YUGA STUDENT CHAPTERS of Department of Civil Engineering organized the 4th International Conference on “SUSTAINABLE ENVIRONMENT & CIVIL ENGINEERING” in the Institute campus. In this conference, 257 participants from several colleges participated and presented their research papers.





ISR ACTIVITY ON CAREER GUIDANCE AND POSITIVE MINDSET

EASWARI ENGINEERING COLLEGE
An Autonomous Institution
 Affiliated to ANNA UNIVERSITY
 RAMAPURAM CHENNAI

DEPARTMENT OF CIVIL ENGINEERING
 Organizes
Institute Social Responsibility (ISR) Program
 On
CAREER GUIDANCE AND POSITIVE MINDSET
 FOR STUDENTS OF 11TH & 12TH STANDARD
Sarathy Saraswathy Vidyalaya Mat. Hr. Sec School
 06.04.2023 10.00 am

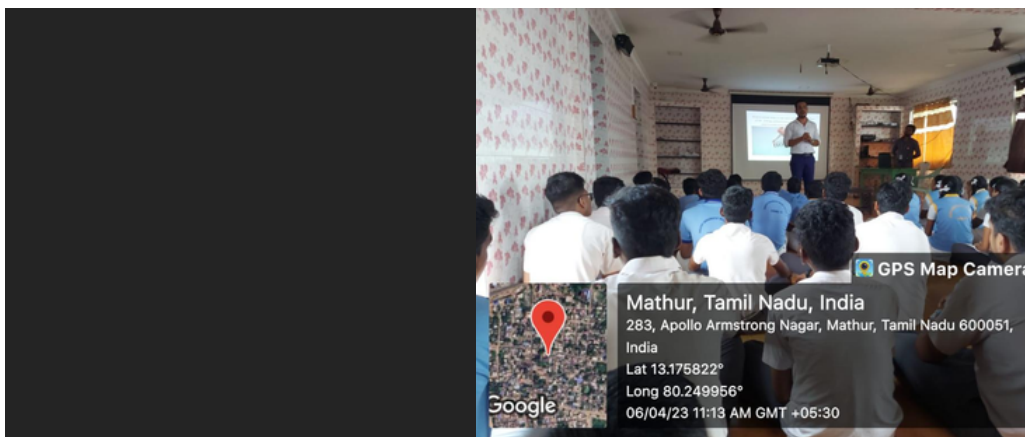
Mr. Lenin Dhal
 ASSISTANT PROFESSOR & MOTIVATIONAL SPEAKER
 DEPARTMENT OF CIVIL ENGINEERING
 EASWARI ENGINEERING COLLEGE

CONVENOR:
 Dr.S.Lavanya Prabha
 Professor and Head/ CIVIL

COORDINATORS:
 Mr. Lenin Dhal
 Assistant Professor /CIVIL



Department of civil engineering organised a motivational programme on positive mindset as ISR activity to 11th and 12th standard students of Sarathy saraswathy vidyalaya Mat. Hr. Sec School on 6th Apr 2023.



IN BLICK EDITORIAL TEAM



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



Vignesh B
3rd year /civil engg.



Pavan Raj N
3rd year /civil engg.



Kishore K
3rd year /civil engg.



Aakash
M.E /Structural engg.



Surya R
3rd year /civil engg.



Yugesh
Final year /civil engg.