

CIVIL CHRONICLE

*Newsletter by Department of Civil Engineering
Adi Shankara Institute of Engineering and Technology, Kalady*



Department Vision

**TO EMERGE AS A CENTRE OF EXCELLENCE
IN CIVIL ENGINEERING WITH GLOBAL
PERSPECTIVES.**

Department Mission

- **TO IMPART QUALITY PROFESSIONAL EDUCATION SO THAT THE STUDENTS EMERGE AS A COMPETENT PROFESSIONAL IN THE AREA OF CIVIL ENGINEERING.**
- **TO PROMOTE INNOVATIVE THINKING AND LIFELONG LEARNING IN BUDDING ENGINEERS.**
- **TO PRODUCE CIVIL ENGINEERS WHO HAVE IMBIBED ETHICAL VALUES TO SERVE THE SOCIETY AND NATION.**

IN THIS ISSUE

INSTITUTE EVENTS

DEPARTMENT ACTIVITIES

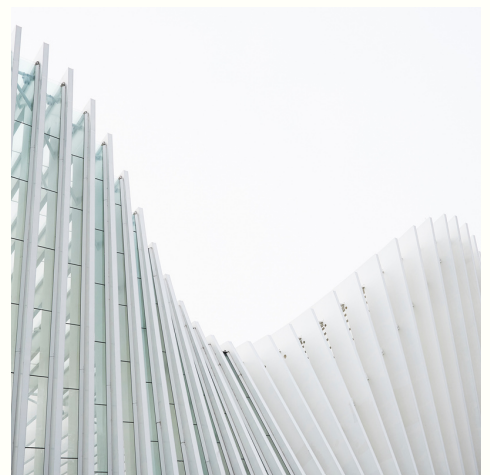
STUDENT ACHIEVEMENTS

STAFF OUTREACH

FOOD FOR THOUGHT

Program Educational Objectives (PEOs)

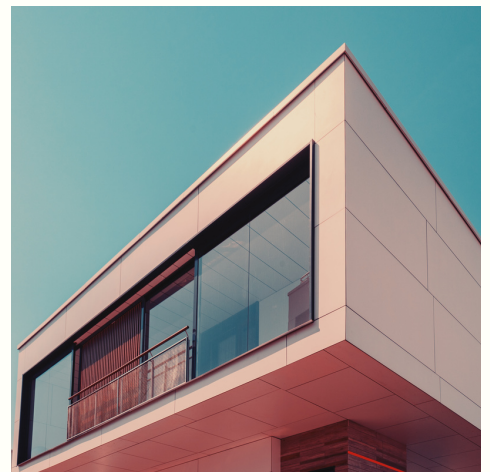
- GRADUATES WILL HAVE A POTENTIAL TO PURSUE HIGHER STUDIES AND RESEARCH IN THE FIELD OF CIVIL ENGINEERING AND INTERDISCIPLINARY AREAS.
- GRADUATES WILL BE ABLE TO PRODUCE SUSTAINABLE SOLUTIONS WITH PROFESSIONAL ETHICS FOR REAL TIME CIVIL ENGINEERING PROBLEMS.
- GRADUATES WILL HAVE MANAGERIAL SKILLS AND LEADERSHIP QUALITIES IN EXECUTION OF CIVIL ENGINEERING PROJECTS.
- GRADUATES WILL BE ABLE TO WORK WITH INTEGRITY AND ETHICAL VALUES.



Program Specific Outcomes (PSOs)

AFTER SUCCESSFUL COMPLETION OF B.TECH IN CIVIL ENGINEERING, THE STUDENTS WILL BE ABLE TO:

- CHECK THE FEASIBILITY AND SUSTAINABILITY OF CIVIL ENGINEERING PROJECTS BY CONDUCTING GEOTECHNICAL INVESTIGATION, CIVIL ENGINEERING SURVEY AND ENVIRONMENTAL IMPACT ASSESSMENT.
- ANALYSE AND DESIGN BUILDINGS, HYDRAULIC STRUCTURES AND WATER DISTRIBUTION, WASTE MANAGEMENT AND TRANSPORTATION SYSTEMS.
- EXECUTE CIVIL ENGINEERING PROJECTS WITH THEIR KNOWLEDGE IN ESTIMATION, PROJECT MANAGEMENT, CONSTRUCTION MATERIALS AND TECHNOLOGIES



**CIVIL ENGINEERING
DEPARTMENT**

SAY NO TO DRUGS FOOTBALL CHAMPAIGN



Adi Shankara Football challenge for "Say No to Drugs" campaign in association with the Excise Department. Shri. Rahul Raj, Excise Inspector, Kalady Range inaugurated the campaign.

INSTITUTE EVENTS

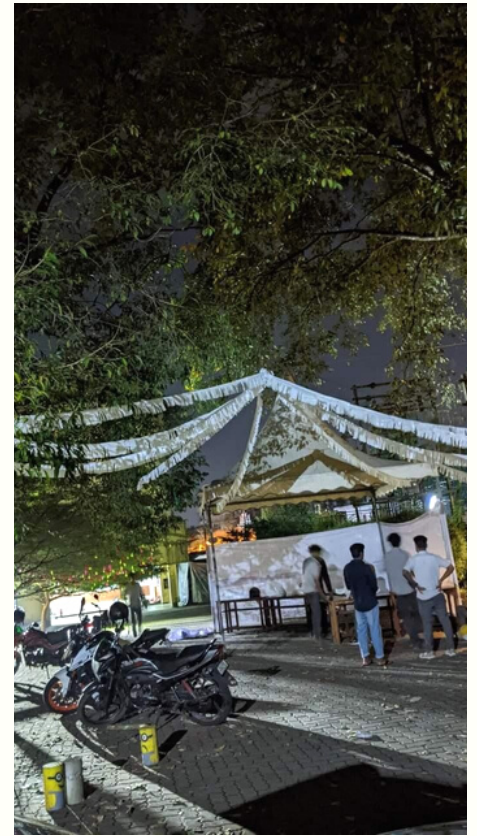
CYBER JAAGROOKTA



To spread about the growing need of cyber security and awareness, ASIET conducted one day seminar "Cyber Jaagrookta" on 2nd Dec 2022.

INSTITUTE EVENTS

ASWAMEDHA 22



Ashwamedha was a much awaited tech fiesta and was held on 22nd December 2022 and It is the annual National level Technical fest of Adi Shankara Institute of Engineering and Technology. The highly anticipated one day technical events brought together over 200 students from some of the top colleges in Kerala. Together they participated in a series of events, battling for the top honors for their respective institutes while making memories that will last them forever.

INSTITUTE EVENTS

NSS: NATURE CAMP



NSS Units of ASIET conducted a three-day nature study class at Silent Valley under Thathengalam camp office was a heart-warming experience. After the first day's informative class by Mr. Surya Prakash, an environmental activist.

"The second day started with bird watching at seven o'clock in the morning. A lot of birds of various kinds were flying here and there chirping. The king viper and the mountain snake came and interacted with us. Footprints of animals, herbs and trees were described by the camp officer. We were able to enjoy the taste and enjoy the beauty of the river and travel for a long distance along the ash."

INSTITUTE EVENTS

NSS: NATURE CAMP

"Once we crossed the buffer zone and went into the bay, the wildness of the forest became more experiential. It became more clear how the streams flow to join the Kunthipuzha. Whatever the development activities that encroach on the forest should be stopped. The monsoon rains store the water through the streams to the river. If there is no forest, the rivers will disappear. Gradually the living species that we comprise become extinct.

The journey through the inner forest was a bit scary, but experienced people who knew the forest were with us to ensure safety. A man was going as a pilot in front of Shanmukhan sir to ensure our safety. The tiger calmly walked away without getting in our way (even though we were the real strikers) and taught me new thoughts and lessons. On the last day of the camp, in the background of the music of the river and the sound of different kinds of birds, meditation was a new experience."

Experience shared by Anjanamol Jose, S7 CE.



INSTITUTE EVENTS

NSS: 7 DAY CAMP



The National Service Scheme is a national movement among students with the objective of 'personal development through social service', involving the majority of the youth in the country in the process of nation building. The Annual Seven Day Camp 2022-23 of National Service Scheme Units (Unit No. 228 6 303) of Adi Shankara Institute of Engineering and Technology has held from 22nd to 28th December 2022 at St. George English Medium High School, Ayyampuzha Chulli.

INSTITUTE EVENTS

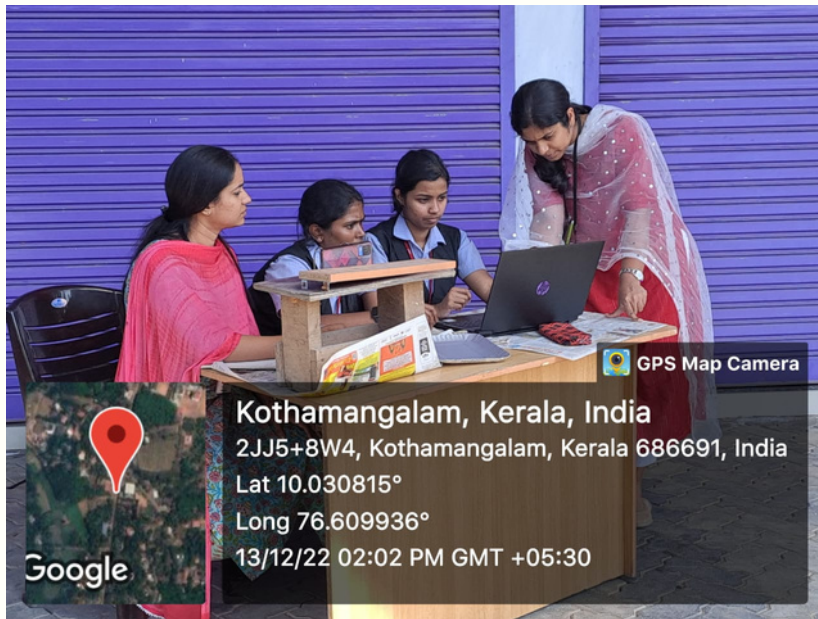
NSS: 7 DAY CAMP



The formal inauguration of the camp was held on the 22nd at 4pm in the school courtyard by the honourable President of Ayyampuzha Panchayat Shri. P.U Jomon along with St. George English Medium High School Manager Rev. Fr. Joseph Plakal and other guests, program officers and NSS volunteers. . The major events conducted during the special camp was reconstruction of electric fence, hospital sanitation, personality development workshop, damming of ponds, cleaning of schools, young Kerala for drug free country awareness campaign and various arts programs. On day 6 a nature trip was conducted to Nature village Ezhatumugham and camp fire was made at night. The seven day camp was a heart warming experience for the students.

INSTITUTE EVENTS

TRAFFIC SURVEY



Department of Civil Engineering, ASIET is conducting 24 hours traffic survey at Muvattuuzha- Kothamangalam route for 3 days as part of data collection by NATPAC for the proposed SABARI rail project. Faculty representatives Ms.Jeeva P Winto and Ms. Dona Joy and student volunteers from S5 on Day 1.

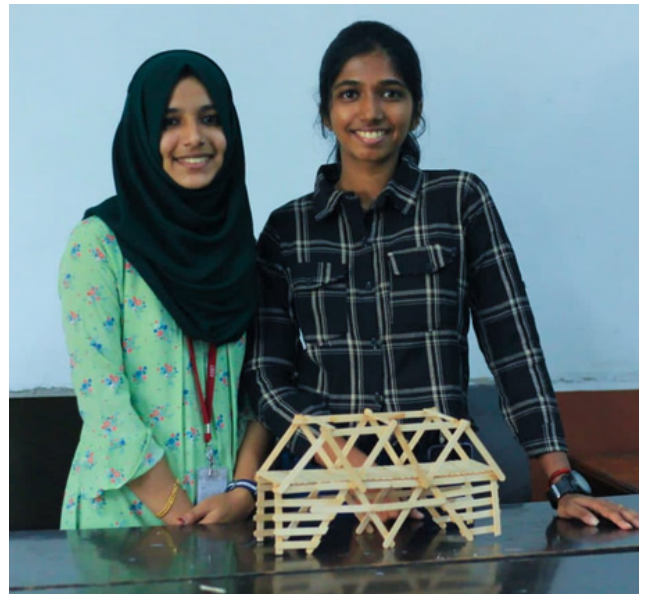
DEPARTMENT ACTIVITIES

ASHWAMEDHA 22: ARCHEO



Ms Annmole P Averachan and Ms Anagha Sivankutty of S5 CE bagged second position in the event "Archeo" - ASHWAMEDHA '22 held on 22nd December 2022

Ms Rumaisa Sidhik and Ms Neha Ajayakumar of S5 CE bagged first position in the event "Archeo" - ASHWAMEDHA '22 held on 22nd December 2022



STUDENT ACHIEVEMENTS

ASHWAMEDHA 22: ARCHEO



Sanjay PS, Vidhyadhar Prabhu and Bestin Johnson of S3 CE secured third position in the event "Tic Tac Toe" - ASHWAMEDHA '22 held on 22nd December 2022.

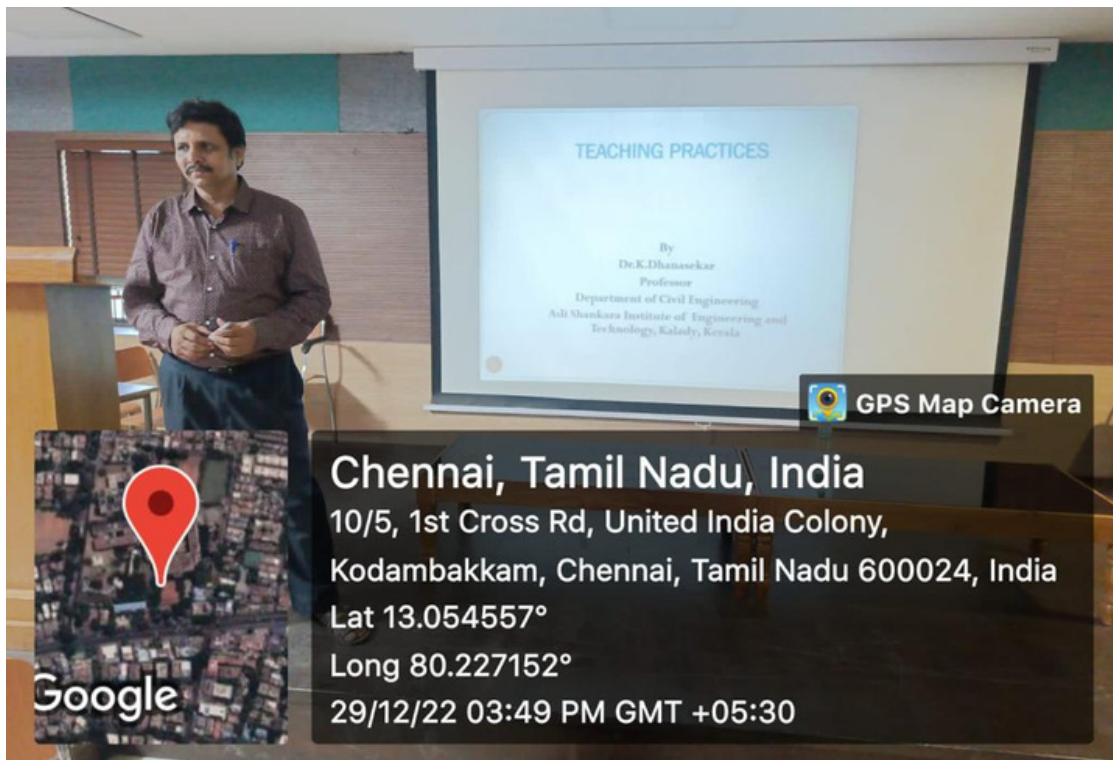
Ms. Jenifer PJ of S3 CE secured second position in the event "JAM" - ASHWAMEDHA '22 held on 22nd December 2022.



STUDENT ACHIEVEMENTS

STAFF OUTREACH - DECEMBER 2022

Congratulations! Dr.Dhanasekhar sir for delivering a lecture on the topic "Teaching practices" for an ATAL FDP. The program was organised by Meenakshi Sundararajan Engineering College, Chennai on 29th December 2022.



STAFF OUTREACH

STAFF OUTREACH - DECEMBER 2022

Congratulations! Dr. A. N. Swaminathan sir for receiving "Best Teacher Award" from Scientific International Publishing House (SIPH) Awards 2022.



STAFF OUTREACH

RANI KI VAV: THE PRIDE OF PATAN



This tale is an exception, in contrast to the famous tales of kings who built historic sites to their loves and wives. Queen Udayamati of the Solanki dynasty constructed "Rani ki Vav" or "The Stepwell of Queen" between 1022 and 1064AD in honour of her late husband, King Bhimdev I. Gujarat's Patan is home to Rani ki Vav. Rani ki Vav is known as the Inverted Temple in addition to being a stepwell.

The Rani-Ki-Vav is believed to have been constructed next to the Saraswati river. The stepwell, however, was submerged as the river shifted its path. The monument spent many years covered in silt as a result. The carvings were found to be in perfect condition when the site was investigated by the Archeological Survey of India in the late 1980s.

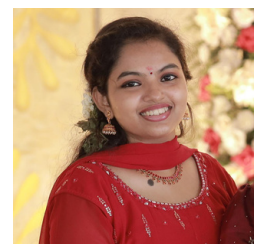
FOOD FOR THOUGHT

The Maru- Gurjara architectural style, which was popular during the Chaulukya period, was used to build Rani ki Vav. High plinths and richly ornamented walls are characteristics of Maru Gurjara architectural style. There were carvings of god and goddess figures on the walls, rosetta ceilings, and balconies that opened in all directions and is 64 metres long, 20 metres wide, and 28 metres deep. The stepwell is divided into seven levels, with the fourth level being the deepest. The tank on this level is rectangular in shape.

There is a gate that opens to a long tunnel that travels to the Patan town of Sidhpur beneath the final step well of Rani Ki Vav. During the wars, people used this tunnel as a secret exit.

Since several medicinal plants were discovered nearby in the early days, it is thought, though not verified, that the water from the Rani ki Vav well can heal a variety of illnesses.

Rani ki Vav shot to fame in the tourism and historical circles after receiving the recognition of World Heritage Site by UNESCO in 2014. Today, the structure can be seen on the Rs. 100 Indian note. The only Stepwell designated as a UNESCO World Heritage Site is this one. And this is one of the remarkable buildings that a Queen has very built in honour of the King.



Contributed by
Ashila Anil, S7 CE

CHIEF EDITOR



Ms. SHABNUM SUHURA

STAFF EDITORS



Ms. REEMA PIUS



Ms. CLYDIN P A

STUDENT EDITORS



Ashila Anil
S7 CE



Anjanamol Jose
S7 CE



Denna Babu
S5 CE



Muhammed Faiz KI
S3 CE



Swathylakshmi Lal
S3 CE



Abhishek Anilkumar
S1 CE

HOD'S MESSAGE



IN THE HIGHLY COMPETITIVE WORLD OUTSIDE, I BELIEVE IN THE VALUE OF HARD WORK, COMMITMENT AND HUMANITY. THESE VALUE ADDITIONS ARE VERY MUCH ESSENTIAL FOR THE YOUNG TECHNOCRATS, ENGINEERS AND SCIENTISTS. AS A DEPARTMENT HEAD I ENVISION MY COLLEAGUES AND STUDENTS WALKING HAND IN HAND AND BUILDING THEIR IDEAS FOR A DEVELOPED NATION.

MR. ANEESH P C