



CHRIST COLLEGE OF ENGINEERING
IRINJALAKUDA

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DEPARTMENT OF CIVIL ENGINEERING

Civil-@-Peedika

A photograph of the Christ College of Engineering building at night. The building is illuminated from within, and the lights reflect on the wet pavement in front. A stone-paved path leads towards the building. The sky is a deep blue, suggesting dusk or dawn.

CHRIST COLLEGE OF ENGINEERING
ST. MARY'S BLOCK

A CIVIL ENGINEER'S MONOLOGUE VOLUME : 4 ISSUE 12 - MAY 2023

Department of Civil Engineering

VISION

To be a recognized centre for moulding technically competent and socially committed Civil Engineering professionals through quality education and practical training.

MISSION

To impart quality education in Civil Engineering by integrating theory and practice, keeping pace with emerging technologies.

To encourage students to take up innovative research projects that can benefit the society.

To mould competent professionals upholding sustainable practices, ethical values, leadership qualities and lifelong learning capabilities.

Programme Educational Objectives (PEOs)

Graduates will be able to:

Apply engineering knowledge to execute infrastructure projects in compliance with codes of practice.

Employ software packages to plan, analyze, design and schedule various Civil Engineering projects.

Comprehend societal needs for sustainable development and attain optimal solutions ethically through team work, research and lifelong learning.

Programme Specific Outcomes (PSOs)

Graduates will be able to:

Apply technical knowledge and skills to develop sustainable solutions in the Civil Engineering domain.

Manage Civil Engineering projects ethically to optimise cost, time, quality and safety.

Use contemporary tools in the field of Civil Engineering to meet the industrial needs.

Civil-@-Feedika

Newsletter courtesy by the Department of Civil Engineering, Christ College of Engineering Irinjalakuda - 680615, Issue No: 12, Volume No. 4
Email : cedepartment@cce.edu.in

MODEL MAKING COMPETITION



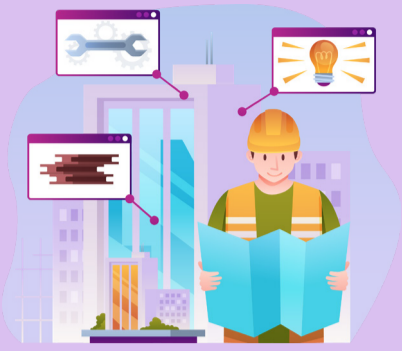
Thousands have lived without love, not one without water.” -H. Auden. As a part of world water day Envotech club(department of Civil Engineering) conducted a model making competition based on water treatment

The contest planning and preparations began several days prior to the scheduled date of the programme. Model making competition was conducted on the 22nd March 2023 at 11am Judgmental was held at civil workshop lab and judgement panel consist of Faculties of Civil Engineering department along with Vice Principal V.D John sir . Event was coordinated by Asst. Prof Vinitha Sharon and Asst.Prof Shicy N.S Like any other competition the only one objective is to conduct a fair contest that would provide a reliable idea to the participants about importance of water treatment and to provide awareness about water pollution.

After the judgement there was a open expo for the rest of the college to see the models made by the participants. Along with college students there was a special visit by executive director Father John Palliakkara CMI along with Joint Director, Principal and all other faculty .

There were 4 teams participated in this event in that 2 teams were from S4 CE and another two from S6 CE. All the participants present their model in best way as possible. In that one team from S6 CE secured first price, second price was bagged by S4 CE . First price was cash price of 2000/-along with certificate





SITE VISIT WATER TREATMENT PLANT

Department of Civil Engineering conducted an industrial visit to Water treatment plant, Irinjalakuda on 1st March 2023 for S6 CE students. It was accompanied by the faculty members Ms. Vinitha Sharon, Dr. Krishnapriya M. G. and Ms. Riya Joseph.

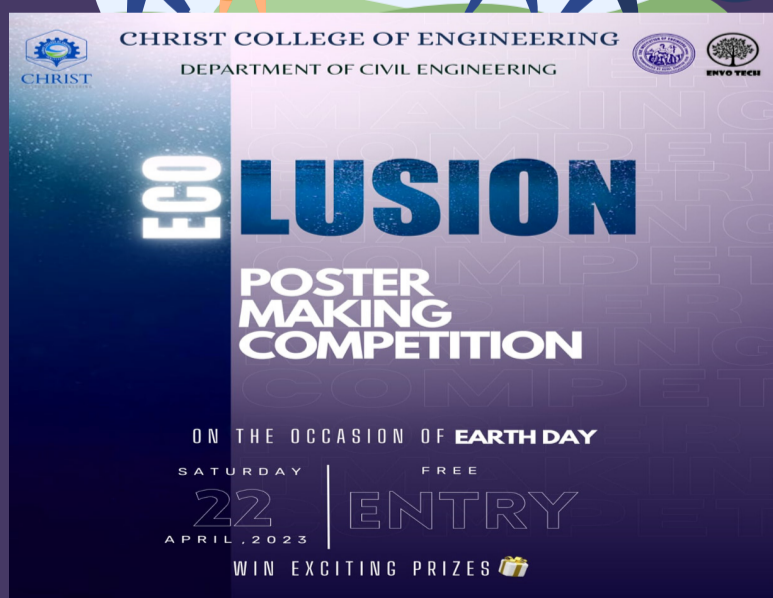
The officials Jestin M L and Shahul Hammed shared the details of water treatment plant. The source of the plant is Karuvanur River. The capacity of the plant is 120lpcd. The units are intake well, pump, storage reservoir, sump, distribution units etc. It has two augmentation filters. The details of different treatment steps such as aeration, coagulation, sedimentation, filtration and disinfection was explained in the session.

The first step, aeration process is done for the removal of gases. Then, coagulation is done by adding alum and quick lime. It is allowed to sediment for

3hrs, 85% pollutants is removed in this step. Then the water is passed through the filter bed which consists of three layers containing sand and pebbles. 15% removal will be done in filter bed, then the water is conveyed for disinfection process using liquid chlorine.



POSTER MAKING COMPETITION



The online poster making competition organized by EnvoTech Club successfully achieved its objectives by providing participants with a platform to showcase their artistic skills and convey meaningful messages. The event not only encouraged creativity and digital skills but also raised awareness about the chosen theme.

PARTIAL DELIVERY OF TOPIC IN SYLLABUS BY INDUSTRIAL EXPERT

TOPIC

NDT TESTING

TECHNICAL WORKSHOP

Non-destructive testing methods demonstrated by Armstech Engineers Pvt Ltd. Students of s8 Civil (2019-2023 batch) got practical experience on NDT testing. It was conducted on 28.04.2023



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