

Civil-@-Feedika

A CIVIL ENGINEER'S MONOLOGUE - MAY 2022



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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.



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Newsletter courtesy by the Department of Civil Engineering, Christ College of Engineering Irinjalakuda - 680615, Issue No: 8, Volume No.3
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Rack and Crack Workshop Series

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Photo : Dr Jino John receives the first installment of the research grant from Dr M S Rajasree, the Vice Chancellor of K T U.

**RICE HUSK TO
ENHANCE THE
STRENGTH OF
CONCRETE
CCE receives
research grant**

Irinjalakuda: A team of researchers from Christ College of Engineering Irinjalakuda received a grant for conducting research about the possibility of using rice husk as one of the fine aggregates to enhance the structural strength of the concrete. The project was selected after a detailed scrutiny from among various proposals received by the Kerala Technological University (KTU) in an innovation challenge organised by the latter on effective ways for the utilisation of rice husk, a major by-product in the rice mill industry. The research team consists of Dr Krishnapriya M. G, Dr Jino John, Ms Vinitha Sharon, from the the Department of Civil Engineer-

ing. 'The research is funded by the Kalady Rice Millers' Consortium (KMRC). If the results come out as expected, the technology will be useful in disposing rice husk in a useful manner and to a limited extent a solution to the ever growing demand for the M-Sand in construction industry.

Civil Facts

" Nothing makes an Engineer more productive than the last minute"

RACK AND CRACK



The Department of Civil Engineering, hoists a pavilion before the world for Techletics'22, to bring all the futuristic brains under one roof. With the unrivaled MatterLab, a venture of one of the pio-

neering construction firms in Kerala, ULCCS Ltd, and a problem-solving savant like Astrek Innovations, with their signature mastermind in the field of disability and rehabilitation at its fulcrum,

Rack and Crack intends to catalyze a mega solution for some major dilemmas persisting in the field of Civil Engineering and Construction. Hosted in one of the most bustling hubs in Kerala, this idea-pitching contest is your finest shot at manifesting your problem-solving skills out to the world. The event give a real view about what capability industry expect from an

engineer. The participants and students were truly inspired by this event and participants even demanded more vents like this from Christ College of Engineering.



Leonhard Euler developed the theory explaining the buckling of columns

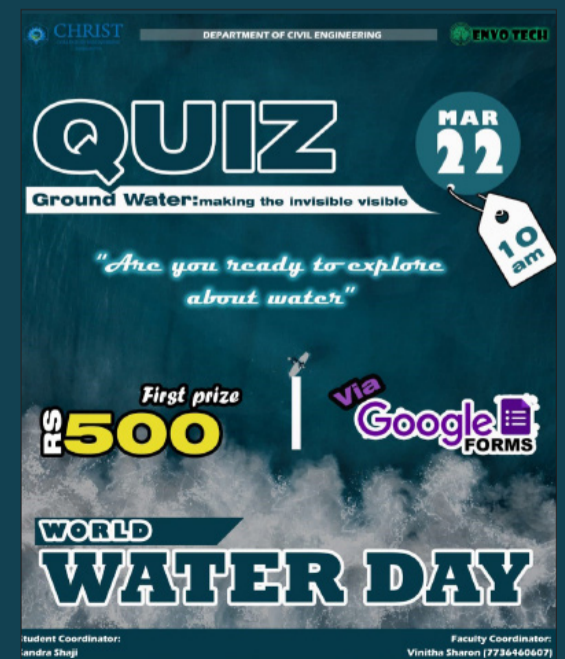
ENVOTECH CLUB CHRIST COLLEGE OF ENGINEERING, IRINJALAKUDA QUIZ: Ground Water: making the invisible visible



Competitions encourage students to look beyond their textual knowledge and help them to keep themselves updated with the latest developments in the field of science, sports, literature, music etc. It also provides a fantastic platform for students to come together and challenge themselves in terms of their general knowledge, creative thinking and teamwork skills. Keeping this in mind the Envotech Club, Department of Civil Engineering, Christ College of Engineering, Irinjalakuda conducted an online quiz on 22 of

March 2022, World Water Day, at 10 am through google forms. The platform was open to all the students and faculty members of CCE. Ms. Vinitha Sharon, Faculty in charge and Sandra Shaji (S1CE), student in charge coordinated the event. Total 39 students were registered for the quiz. The competition consisted of 15 questions and the time duration was 15 minutes. The first prize was bagged by Manjeera E. B. (S3 CE), awarded with a cash prize of Rs.500 and the amount was transferred shortly after the contest.

Overall, the Quiz competition was a huge triumph which was gratifying for the team of Envotech club led by faculty coordinator Ms. Vinitha Sharon, whose timely guidance and coordination reflected in the impeccable teamwork of the students.



WORKSHOP SERIES

The Department of Civil Engineering organized a series of workshops for Techletics'22 under the title Built to Last, on the 2nd and 4th of May. The resource persons for the session was Mr. Sasikumar Therayil and Mr. Antony, both of whom displayed great expertise in the topics involved which were, Blueprint Reading, Construction Engineering and Quantity Survey. Owing to the vast extent of promotion, the session received a strapping count of attendees at the the venue which was Christ College of Engineering, Irinjalakuda. The faculty coordinator for the event was Mr. Prabhasankar V P, whose guidance coupled with the collective effort of student coordinators condensed in the successful realization of the workshops in a smooth manner. The student coordinators involved were Shihas M S, Rithin Tom, Hrithik P Ravi, Sooryadev Kishan P S, Rosemol Shaju and Malavika Sinsukumar from final year and Mohamed Asim Abdul-



la from pre-final year of Civil Engineering. The event comprised of detailed explanation of various topics that help the students gain a clearer perspective regarding all the areas of civil engineering crucial in the production and design field. The session received positive reviews and feedbacks from the attendees, both in terms of practical knowledge and novel ideas shared. The intention of the workshop was to help the students to gain an insight regarding the production and design field of Civil Engineering, while equipping them with the right tools that help them to flourish in the said areas.

While the session had some limitations regarding the actual demonstration of applied knowledge, it is safe to say the objective was fairly satisfied as far as other parameters go. In conclusion, the workshop session saw a grand victory, owing to the collective effort and timely planning of the faculty and student coordinators involved

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