

Civil-O-Feedika

A CIVIL ENGINEER'S MONOLOGUE - NOVEMBER 2021



VOLUME : 02 , ISSUE :06

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-O-Feedika

Newsletter courtesy by the Department of Civil Engineering, Christ College of Engineering Irinjalakuda- 680615,
Email: cedepartment@cce.edu.in

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CHRIST
COLLEGE OF ENGINEERING
IRINJALAKUDA

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The Institution of Engineers (India)
STUDENTS' CHAPTER
DEPARTMENT OF CIVIL ENGINEERING
organizes

**WEBINAR ON
CONCRETE CONCEPTS**

**WEDNESDAY
15/09/2021 | 10:00 AM-11:00 AM**

Speaker:
Er. M. A. Joseph
Head-Technical Services,
UltraTech Cement Ltd, Kerala

**Celebrating Engineers' Day !
Remembering Sir Mokshagundam Visvesvaraya...**

Student Convener - Ms. Lisna Jose | Faculty Advisor - Ms. Angitha Sasidharan

ENGINEER'S DAY 2021 : Remembering M Visvesvaraya on his 160th birth anniversary

Sasidharan with student convenor Ms. Lisna Jose Pulikkan (S4), closely assisting. The session dealt with the topic "Concrete Concepts", one of the most overlooked yet imperative knowledge for a budding civil engineer. For the session, Er. M. A. Joseph, Head-Technical officer at UltraTech Cement Ltd, Kerala, was invited as the lead speaker. The session begun at 10.00 am on Google meet with Ms. Rosina Shaji (S6) and Ms. Athulya Jaison (S4) coordinating the program.

construction stages within a span of 60-80 minutes.. The session was wrapped up with an open discussion in which Mr. Jacob discussed about the substitution of geo-polymer to the environmental issues that accompanies the manufacturing process of cement.

The webinar relayed insights regarding the strength and mechanical properties of concrete that is sure to pay major dividends in practical scenarios. Mr. Jacob discussed about various flooring materials suitable for different climatic conditions, to the importance of rainwater seepage prevention in early

PLACEMENT UPDATES

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Training and Placement Cell

Congratulations

PLACED AT | **SOBHA**

Sarath Babu
SB CE (2017-2021)

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Placement for Sarath Babu (CE 2017-2021 Batch) at Sobha Limited. He is placed in the Cost Audit department with a CTC of 3.1 lakhs.

Engineers' Day is celebrated on birth anniversary of M. Visvesvaraya to honour his contributions, but apart from that, the real purpose of such a day is to remind and ask ourselves of the duties we owe to the society and to reaffirm what it means to be an engineer.

That is precisely why the Institution of Engineers India (IEI) and the Department of Civil Engineering, Christ College of Engineering, organized a webinar on the 15th of September 2021 under the guidance of faculty coordinator Ms. Angitha



VERTICAL GARDEN



Let this garden radiate aesthetic pleasure and brighten our days!

Envotech Club and the Department of Civil Engineering at Christ College of Engineering, have successfully placed a flourishing Vertical Garden in our college campus after several days of planning and relentless toil. The entire frame of the garden, standing 3 metres tall and spanning 3.8 metres wide, as well as all the materials used are completely eco-friendly and recyclable. It is truly rewarding to share that the whole process of framing,

cutting, drilling and chiseling were done solely by the members of Envotech club with the unrelenting support of faculty coordinator Ms. Vinitha Sharon. The garden now houses a total of 14 varieties of plants such as Aglaonema, green and pink Syngoniums, Rio, Wandering jew, and other varieties of spiderwort and devil's ivy. This garden would not have bloomed without the numerous hands behind.



Ameen (S6), Sayooj (S6), Margret (S6), Aslam (S4), Sreekanth (S4), Adith (S4), Nishikanth (S4), Albert (S4), Anwin (S4), Thanmay (S4), Ashwin (S4), Fathima Mizaj (S4), Sreemol (S4), Reshma TM (S4), Anlie Mariya (S4), Asmi (S4), Karthika (S2), Devika (S2), Archana (S2), Mariya (S2), Sanjo (S2)

ENGINEERING FRINGES

Department of Civil Engineering of Christ College of Engineering is organising a student Development programme under the name "ENGINEERING FRINGES" which consists of a series of webinars by the faculty of civil Engineering Department.

The second talk of the webinar series was conducted on August on the topic 'Recent trends in Ground Improvement'. The main motive of the webinar was to enhance the knowledge of students on recent trends in soil stabilisation.

The resource person was Ms. Riya Joseph, Asst Professor, Civil Engineering Department, Christ College of Engineering, Irinjalakuda. The attendees were the Third year and fourth year students and faculty members.

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DEPARTMENT OF CIVIL ENGINEERING
PRESENTS
ENGINEERING FRINGES
Enhancing Civil Engineering Career Expeditions!

WEBINAR session-2
Recent Trends in
Ground Improvement

14-09-2021
TIME 02.30 pm

RESOURCE PERSON
Mrs. Riya Joseph
Assistant Professor, CE

SDP
STUDENT DEVELOPMENT PROGRAMME

Faculty coordinator
Dr. Krishna Priya M.G
HOD, CE

3-DAY NATIONAL LEVEL FDP

CHRIST
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3 DAY NATIONAL FACULTY DEVELOPMENT PROGRAMME
ON
"OUTCOME BASED EDUCATION AND NBA ACCREDITATION"
Organized by
Internal Quality Assurance Cell & Department of Civil Engineering

Essence and Importance of OBE and NBA Accreditation Process
Dr. Neelakandan P. C.,
Principal, Muthoot Institute of Technology and Science, Kerala.

Rubrics Based Assessment
Assessment of Laboratory Courses
Assessment of Student Projects
Dr. H. S. Guruprasad
Professor, ISE and Dean of Student Affairs,
BMS College of Engineering, Bangalore.

Learning Process and Continuous Improvement in PO and PSO Attainment
Dr. Venu P.
Dean of Quality and Innovation, Providence College of Engineering, Kerala.

Co-ordinators:
Dr. Pradeep A., IQAC Co-ordinator, CCE - (+91) 9447465443
Dr. Anitha Jaye M. S., IQAC Co-ordinator, CCE - (+91) 9846297761

REGISTRATION DETAILS
Registration link: <https://forms.gle/06R1kqutgp0F0K6>
Registration Fee - Rs. 200/-
Name of the Account Holder - Kishorekanye M.G.
Federal Bank, A.C. No. 377900037047
IFSC: FDRL0001079
Google Pay ID - (+91) 9846297761

PLATFORM
Registration

Department of Civil Engineering in association with IQAC of Christ college of Engineering conducted a 3 Day National level FDP on - Outcome Based Education and NBA Accreditation conducted from August 31st to September 2nd, 2021

We had a total of 95 registrations including internal and external participants. External participants were from various colleges within Kerala and also from outside states. On Day 1 we had a very informative session by Dr. Neelakandan P C sir, Principal of Muthoot Institute of Technology and Science, Kerala on the topic, Essence and Importance of OBE and NBA Accreditation Process. It was an excellent session on Principles and important aspects of OBE. On day 2 we had a session on Rubrics Based assessment which includes Assessment of Laboratory courses and Assessment of students project, by Dr. H. S. Guruprasad, Professor ISE and Dean of student Affairs, BMS College of Engineering, Bangalore. Session was really informative about Rubrics - the magical assessment tool. On day 3 an excellent session on Learning process and continuous improvement in PO and PSO attainment by Dr.Venu P sir, Dean of quality and innovation, Providence college of Engineering Kerala.

INDUSTRIAL VISIT



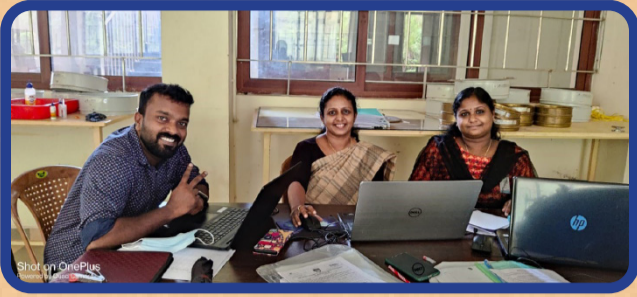
The department of Civil Engineering at Christ College of Engineering, Irinjalakuda, organized a one day industrial visit to KWA sewage treatment plant at Guruvayoor on 24th September 2021, for the fourth and sixth semester students. A total of 75 students, accompanied by faculty members, Mr. Midhun M.S, Mr. Jestine J Thannickal, Ms. Teena Johnson, and Ms. Vinitha Sharon, took part in this visit. A small briefing regarding the history of drainage network of Guruvayoor and an overview about the sewage treatment plant was provided by Mr. Thaddeus Shine (Grade. Assistant Engineer), Mr. Manaswi C M (Assistant. Engineer) and Mr. Benny E A (Assistant Ex-

ecutive. Engineer), for the students. The sewage treatment plant, on the other hand, provided the students with a first hand experience to witness the mechanisms and procedures that were familiarized by the curriculum. Various processes as well as the three main stages of the treatment namely the primary, secondary and tertiary were exhibited and explained meticulously, which provided the students with a clear idea about bar screen filter, flocculation, separation of grease and oil contaminants at the secondary stage, sedimentation churner, chlorination chambers etc.



Site visit for 2018-2022 batch students to the KWA Treatment plant Guruvayoor

TRAFFIC SURVEY OF KSCSTE-NATPAC



Traffic Survey (Turning movement count and link volume count) is conducted for KSCSTE-NATPAC for the locations Azheekal, Cheri-

yazheekal and Arthungal Church Jn. as part of the project "Preparation of DPR for Integrated Development of Coastal Highway with Cycle Track in Thiruvananthapuram, Kollam and Alappuzha Districts" of KSCSTE- National Transportation Planning and Research Centre (NATPAC) under the In-

dustry Projects Single Window Facilitation Scheme of APJAKTU during September- October, 2021. Staff-in charges were Dr. Krishnapriya M. G., Angitha Sasidharan and PrabhaSankar V. P. from Department of Civil Engineering Ten final year students got internship opportunity.

INTERNATIONAL CONFERENCE ON INNOVATIONS IN CIVIL ENGINEERING -2021

The "International Conference on Innovations in Civil Engineering -2021" hosted by Department of Civil Engineering, Christ College of Engineering Irinjalakuda set a perfect way for the young Civil Engineers to broaden knowledge and to network with academic experts and industry experts amidst the pandemic. Dr. Antony Balan T.G., Retd. Chief Engineer, Central Water Commission, New Delhi inaugurated the 3-day online conference on July 13, 2021 and delivered the key note address on the topic Water Resource Project Planning and Management. Eminent academicians namely Dr. Sanjeeb Mohapatra, Post-Doctoral Research Scholar, Environmental Research Institute, National University of Singapore and Dr. A. V. Rahul, Post-Doctoral Researcher at Magnel-Vandepitte Laboratory for Concrete Research, Ghent University, Belgium delivered key note address in the field of Contaminants of Emerging Concern during Covid 19 Pandemic and Construction by Concrete 3D Printing - Possibilities and Challenges respectively.

Five technical sessions in the various fields of Civil Engineering were conducted in which research scholars and students got opportunity to present their research work. From the various technical papers submitted by researchers and students the technical review committee scrutinized the papers and selected 65 papers. The best paper from each session was selected. The sessions were chaired by experts from the various fields of Civil Engineering.

Industrial expert Sharun N. V, Outsourcing Drafting services (W.A) Organization MGL Group, Rajkot, Gujarat emphasised the role of precast structures in current scenario, Building Information modelling (BIM) The session was very much useful for the budding engineers. Panel discussion was done with a group of industrial experts Mr. Anilkumar Ramakrishna Pillai, Dy. General Manager, Galfar Engineering and Contracting SAOG, Oman, Mr. Reji Zachariah, CEO, S&R Consultants, Kochi, Kerala and Mr. Manu V. Thampy, Assistant Engineer, Department of Soil Survey and Soil Conservation, Kerala discussed Skill Sets beyond the Syllabus for Job Opportunities.

EDITORIAL BOARD

Faculty in-charge: Ms. Riya Joseph (Asst. Professor), Ms. Teena Jhonson (Asst. Professor)

Student Editors: Ms. Rosina Shaji, Ms. Malavika Sinsukumar

Chief Designers : Mr. Albert George, Mr. Antony P. T. (Technical Staff)