

DEPARTMENT OF CIVIL ENGINEERING

NEWSLETTER

(July 2021 - Dec 2021)



EDUCATION IS DEDICATION

VOLUME 6

DEPARTMENT VISION

To be a centre of excellence to mould technically competent Civil Engineers with high caliber and ethical values to serve the society.

DEPARTMENT MISSION

- To provide technical expertise with strong emphasis of professional ethics and social commitment.
- To mould competent Civil Engineers to take up the challenges in the field of Civil Engineering
- To encourage students for pursuing higher education and research.
- To undertake professional consultancy services in diverse areas of Civil Engineering

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

PEO1 – Apply the acquired knowledge and skills in Civil Engineering to become successful and competent professionals, capable of contributing effectively to the domain of civil Engineering and to cater to the needs of the society.

PEO2 – Demonstrate leadership qualities in the execution and management of Civil Engineering projects, upholding professional ethics and sustainability concepts.

PEO3 – Engage in lifelong learning with a quest to keep abreast with the latest developments in Civil Engineering practice.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

PSO1 – Apply acquired knowledge in technical areas to civil engineering problems, including but not limited to structural, geotechnical, transportation, geoinformatics, environmental, and water resources engineering.

PSO2 – Design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.

PSO3 – Familiarize with various facets of construction and its planning like project scheduling, resource and material management, understand the impact of engineering solutions in a global, economic, environmental, and societal contexts.

SPECIAL EVENTS & ACHIEVEMENTS

- Dr Drisya M is appointed as Associate Professor, Head of Civil Engineering Department on 31/08/2021.

- Technical paper titled "Comparison of Behaviour of Sand and Clay with Woven and Non-Woven Geotextile – A Numerical Study" of Maria Seby, Mohanan T Amrutha, P A Rosemary, and Mikhil Antony guided by Ms. Haritha was accepted and presented at the First International Conference on Emerging Trends in Engineering (YUKTHI 2021) during 24- 26, September 2021 at Government Engineering College Kozhikode, Kerala, India. It was published in SSRN with the date on 27 th September 2021.

- Technical paper titled 'Parametric Study on Bearing Capacity of Geosynthetic Encased Stone Column Installed in Soft Clay' of Anitta Jerom, Jithin Prakash, Sariga Unni and Seethal C Jessian guided by Ms. Sujana was accepted and presented at the First International Conference on Emerging Trends in Engineering (YUKTHI 2021) during 24-26, September 2021 at Government Engineering College Kozhikode, Kerala, India. It was published in SSRN with the date on 17 th December 2021.

- The Department of Civil Engineering has submitted the Self-Assessment Report for the National Board of Accreditation on 29th September, 2021.

- Ms. Reshma Antony published a paper title Flood Hazard Mapping Using Geographical Information System (GIS) and Analytical Hierarchy Process (AHP), Lecture Notes in Civil Engineering, Climate Change and Water Security, in Springer, Vol 178, pp 105-116, Scopus indexed.

- Ms Ragi C Ravindran has successfully completed the NPTEL course "Accreditation & Outcome Based Learning" with Elite + Silver Certification.

- Arundhati P Unnikrishnan, Asmiya M N, Catherin Sunny, Gopika P A and Pooja Jayakumar of CE 2019-2023 Batch have successfully completed a 12 week NPTEL course on "Industrial Biotechnology"

STUDENT PLACEMENTS

CE 2017-2021

- AMRUTHA MOHANAN T and ROSEMARY P A got placed as Junior Facade Designer in Mazamer Design.

CE 2016-2020

- ANJU THOMAS and SAJNA T S got placed as Junior Facade Designer in Mazamer Design.

ACADEMIC EXCELLENCE

S8 Toppers CE 2017-2021

1. AVERIN ASHMI K S - SGPA: 10
2. ANITTA SUNIL - SGPA: 9.50
3. MIJITTA MARTIN - SGPA: 9.50

S6 Toppers CE 2018-2022

1. JOMOL GEORGE - SGPA: 9.00
2. IRENE RAJU - SGPA: 8.95
3. DEVIPRIYA - SGPA: 8.90

S3 Toppers CE 2019-2023

1. CATHERIN SUNNY - SGPA: 9.84
GOPIKA P A - SGPA: 9.84
JAIS ARAKKAL - SGPA: 9.84
2. TANIA THANAKAM MATHEW - SGPA: 9.50
3. POOJA JAYAKUMAR - SGPA: 8.91



TECHNICAL ASSOCIATIONS REPORT

The Department of Civil Engineering in association with PACE, conducted the following events

- Online quiz on the topic "Natural Disasters" for plus two students on 05/06/2021. Cash awards were given for first and second position. Mr Navneeth M Kumar of Naipunnaya School, Thrikkakara was secured first prize and Mr Aby Jose of Don Bosco HSS, Irinjalakuda secured second prize.
- Technical talk on "Design and Development of New ideas" for 4 th semester students on 13/09/2021. The speaker was Ms. Remya P M, Assistant Professor, SCET, Kodakara.
- Webinar on "Ethics in Civil Industry" for 6 th and 4 th semester students on 18/09/2021 from 4:00PM to 5:00PM. The speaker was Mr. Chackochan M V, Executive Engineer (Civil, Retd.), Kerala Agricultural University.
- One day Workshop (in collaboration with IEDC Sahrdaya) on "Concrete Mix Design" for S7 semester students on 30/11/2021. The resource person was Mr. Sunny C P, Assistant Professor, SCET, Kodakara.
- One Day Offline Skill Development Program for Technical staff (Civil and Mechanical) on "Building Analysis using STAAD Pro & Mix Design using IS 10262:2019" on 04/12/2021. The resource persons were Mr Sunny C P, Ms Aiswarya M S and Mr Akhil S Nair, Assistant Professors, SCET, Kodakara.
- Industry Interaction on "IT Opportunities for Civil Engineers" for S3, S5 & S7 Students on 04/12/2021 at 9:45AM. The resource person was Ms Athulya Philo Joseph, System Engineer, Infosys.
- Technical talk on "Environmental Impact Assessment" for S7 students on 04/12/2021 at 11:00AM. The resource person was Mr Devis P C, Deputy Chief Engineer/ Superintending Engineer (Retd.), Kerala Water Authority.
- 3 Day workshop on "Analysis and Design of Multi-storey Buildings - A Systematic Approach" for the S7 students from 13/12/2021 to 15/12/2021. The resource persons were Mr Ciby Jacob Cherian, Mr Akhil S Nair, Assistant professors SCET, Kodakara.
- College Level Online Treasure Hunt in association with IEI student chapter and PACE on 27/12/2021. The faculty coordinators were Ms Haritha C R and Ms Sujana R and the student coordinators were Anix Samuel, Jaise Arakkal and Anu Rose.



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BEST PROJECT AWARD

- Paper entitled "Flood Inundation Mapping using HEC-RAS Model" has been awarded the Best Presentation under Water Resource Engineering, guided by Ms Reshma Antony in International Conference on Innovations in Civil Engineering - ICICE' -21 organised by Christ College of Engineering, Irinjalakuda. Project team members are Aiswarya K S, Anjali Krishna Sreekumar, Averin Ashmi K S, Edwin Joy K.



SAHRDAYA
College of Engineering & Technology

WORKSHOPS & TRAININGS ATTENDED BY FACULTY

Ms Reshma Antony

- ▲ KTU sponsored online FDP on Outcome Based Education with Assessment and Evaluation from 26-30 July, 2021 organized by Dept. of Electronics and Communication Engineering, Sahrdaya College of Engineering and Technology, Kodakara, Thrissur, Kerala.
- ▲ 5-day Online FDP on the theme "Recent Trends in Design, Construction and Maintenance of Concrete Pavements", organized by Civil Engineering Dept., Mar Baselious College of Engineering and Technology and sponsored by KTU, conducted in virtual mode from July 5th to 9th, 2021
- ▲ 5-day online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education(AICTE) from 27 September, 2021 to 1 October, 2021.

Ms Ragi C Ravindran

- ▲ 5 day online Faculty Development Program on DE-HAB Demolition and Rehabilitation of structures
- ▲ 4 day Online Faculty Skill Development Program from 24th August to 27th August 2021 organized by Sahrdaya College of Engineering and Technology, Kodakara, Thrissur, Kerala
- ▲ "Two-day Awareness Workshop on Improving Research & Performance Outcomes" organized by Elsevier on 31 August, 2021

Ms Remya P M

- ▲ 5 day online Faculty Development Program on DE-HAB Demolition and Rehabilitation of structures
- ▲ 4 day Online Faculty Enrichment Program in Future Skills from 24th August to 27th August 2021 organized by Sahrdaya College of Engineering and Technology, Kodakara, Thrissur, Kerala
- ▲ 5-day online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education(AICTE) from 27 September, 2021 to 1 October, 2021
- ▲ "Two-day Awareness Workshop on Improving Research & Performance Outcomes" organized by Elsevier on 31 August, 2021

Ms Aiswarya M S

- ▲ 4 day Online Faculty Skill Development Program from 24th August to 27th August 2021 organized by Sahrdaya College of Engineering and Technology, Kodakara, Thrissur, Kerala

Ms Haritha C R

- ▲ 4 day Online Faculty Skill Development Program from 24th August to 27th August 2021 organized by Sahrdaya College of Engineering and Technology, Kodakara, Thrissur, Kerala
- ▲ 5-day online FDP on the theme " Techniques for Disaster Management & Climate Change Adaptation Strategies " organized by MES College of Engineering, Kuttippuram, Malappuram, from 6 september 2021 - 10 september 2021
- ▲ Technical paper of Maria Seby, Mohanan T Amrutha, P A Rosemary, and Mikhil Antony guided by Ms. Haritha was accepted and presented at the First International Conference on Emerging Trends in Engineering (YUKTHI 2021) during 24 - 26, September 2021 at Government Engineering College Kozhikode, Kerala, India

Mr Akhil S Nair

- ▲ 5-day online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education(AICTE) from 27 September, 2021 to 1 October, 2021
- ▲ "Two-day Awareness Workshop on Improving Research & Performance Outcomes" organized by Elsevier on 31 August, 2021
- ▲ 5-day online FDP on the theme " Techniques for Disaster Management & Climate Change Adaptation Strategies " organized by MES College of Engineering, Kuttippuram, Malappuram, from 6 september 2021 - 10 september 2021
- ▲ FDP on "Academic Projects with BIM" organized by Bentley Institute on 25 August 2021

Mr Ciby Jacob Cherian

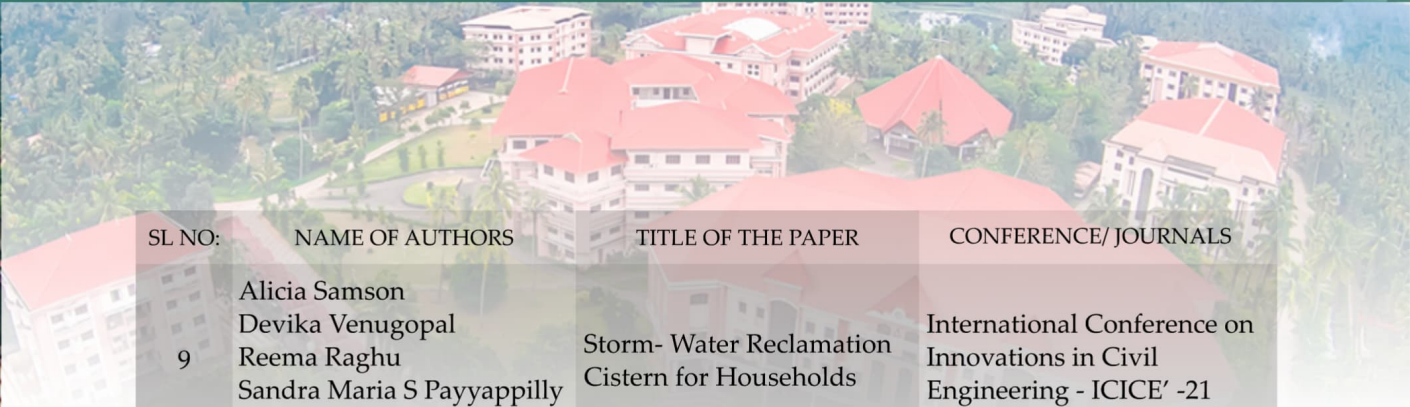
- ▲ 4 day Online Faculty Skill Development Program from 24th August to 27th August 2021 organized by Sahrdaya College of Engineering and Technology, Kodakara, Thrissur, Kerala
- ▲ 5-day online FDP on the theme " Techniques for Disaster Management & Climate Change Adaptation Strategies " organized by MES College of Engineering, Kuttippuram, Malappuram, from 6 september 2021 - 10 september 2021
- ▲ India Structural Conference Series 2021: Interaction Checks and Design for Earthquake Loads organized by Bentley Institute on 8 July 2021

Ms Sujana R

- ▲ 4 day Online Faculty Skill Development Program from 24th August to 27th August 2021 organized by Sahrdaya College of Engineering and Technology, Kodakara, Thrissur, Kerala
- ▲ 5-day online FDP on the theme " Techniques for Disaster Management & Climate Change Adaptation Strategies " organized by MES College of Engineering, Kuttippuram, Malappuram, from 6 september 2021 - 10 september 2021
- ▲ Indo-Chile Workshop on "Recent Advancements in Geotechnical Earthquake Engineering" (online) during 7 - 9 Sept, 2021.
- ▲ The First International Conference on Emerging Trends in Engineering (YUKTHI 2021) during 24 - 26 Sept, 2021 at Government Engineering College Kozhikode, Kerala, India

STUDENT PUBLICATION

SL NO:	NAME OF AUTHORS	TITLE OF THE PAPER	CONFERENCE/ JOURNALS
1	Abin Jaison Bilva T Thekkanath Chrislin Francis Thekkanath Mariya John K Devis P C	Water Treatment using Coir Yarn to Remove Excess Iron and other Colloidal Impurities	International Conference on Innovations in Civil Engineering - ICICE' -21
2	Alvin T A Amal Jiji K Amal Sunny Amrutha T Benny Akhil S Nair	Proposal for Anti-Flood Reservoir in Chalakudy	International Conference on Innovations in Civil Engineering - ICICE' -21
3	Akhil Manoj Athul Roby Nigel Varghese Zachariya Varghese	Investigations on Concrete and Mortar with Partial Replacement of Cement using Biochar	International Conference on Innovations in Civil Engineering - ICICE' -21
4	Revathy Satheesh Seljo Paul Sreelakshmi P Vismaya Sebastian Aiswarya M S	Water Usage Minimization using Automated Curing Technique	International Conference on Innovations in Civil Engineering - ICICE' -21
5	Anitta Jerom Jithin Prakash Sariga Unni Seethal C Jessian Sujana R	Numerical investigations on Load Settlement Behaviour of Geosynthetic Encased Stone Column	International Conference on Innovations in Civil Engineering - ICICE' -21
6	Maria S Sebastian Richard Benson Thahzin Rasha V R Remya P M	An Investigation on Geopolymer Concrete	International Conference on Innovations in Civil Engineering - ICICE' -21
7	Amrutha Mohanan T Maria Seby Mikhil Antony Rosemary P A Haritha C R	Comparison of Behavior of Sand and Clay with Woven and Non woven Geotextile - A Numerical Study	International Conference on Innovations in Civil Engineering - ICICE' -21
8	Aiswarya K S Anjali Krishna Sreekumar Averin Ashmi K S Edwin Joy K Reshma Antony	Flood Inundation Mapping Using HEC-RAS Model	International Conference on Innovations in Civil Engineering - ICICE' -21



SL NO:	NAME OF AUTHORS	TITLE OF THE PAPER	CONFERENCE/ JOURNALS
9	Alicia Samson Devika Venugopal Reema Raghu Sandra Maria S Payyappilly Reshma Antony	Storm- Water Reclamation Cistern for Households	International Conference on Innovations in Civil Engineering - ICICE' -21
10	Maria Seby Mohan T Amrutha P A Rosemary Mikhil Antony Haritha C R	Comparison of Behaviour of Sand and Clay with Woven and Non- Woven Geotextile – A Numerical Study	First International Conference on Emerging Trends in Engineering (YUKTHI 2021) - Published in SSRN

STUDENT EDITORS

ANASIAL K L
TOM K BIJOY
VAISHNAV K SURESH



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