

## VISION

To mould students to excel in academics and research in the field of civil engineering and committed to the upliftment of underdeveloped sections of the society through effective teaching learning process.

## MISSION

- To impart quality education to meet the upcoming challenges in the field of civil engineering.
- To inculcate social responsibilities, ethical values and motivate the students for lifelong learning and excel in professional life.
- To nurture students to become competent civil engineers with creative thinking, innovations and research through effective mentoring and academic ambience.

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## DEPARTMENT OF CIVIL ENGINEERING

# INSIGHT

*“Education is the kindling of a flame, not the filling of a vessel.”*

The Department of Civil Engineering was established in 2008 and has been continuing its glorious journey ever since, being the most dynamic and broadest branch in KMEA. Our department is devoted to providing the best guidance, facilities and opportunities to develop the technical skills, outlook and personality of our students.

## PROGRAMME EDUCATIONAL OBJECTIVE (PEO)

PEO1: To be oriented towards a safe and sustainable environment.

PEO2: To provide economically feasible solutions to practical civil engineering problems.

PEO3: To lead the work in diverse career paths by utilizing their educational foundation, technical and communication skills

## PROGRAMME SPECIFIC OUTCOME (PSO)

PSO1: Apply knowledge of mathematics, science and engineering to investigate, identify, formulate, analyze, design and solve problems in various disciplines of civil engineering with professional and ethical responsibility.

PSO2: To develop innovative, sustainable and modern infrastructure to meet societal needs and environmental challenges.

PSO3: Utilize the latest technologies and managerial skills for professional development and gain sufficient competence compatible with the industry demands.

## HOD'S MESSAGE



Dr. CHITHRA V. S

I am delighted to present the welcome message for our annual newsletter 'INSIGHT' which gives glimpses of the cumulative efforts of the Department of Civil Engineering. The entire department is dedicated to provide the best to our students by conducting various technical events apart from the regular academics. The students and faculty of our department are always proactive in taking initiatives to conduct technical and cultural events. I congratulate the entire civil engineering department for their contribution to department activities and look forward to future developments. I appreciate the efforts of the Editorial Board for in-house development of this newsletter.

## EDITORIAL

The past year has been a testing time for us, which made us realize how valuable interpersonal communication can be in our daily life. But it also gave us an opportunity to reflect on our life and discover our potential to move forward in spite of all the challenges. Thanks to the transformation brought by the smartphone revolution in the last decade, because of which our students could carry on with their education, despite the pandemic situation.



Ms. JINU V. R

It is an immense pleasure to present the first edition of 'INSIGHT'. This newsletter is a testament of the enthusiasm and perseverance of our students and faculty. Our faculty, who are the pillar of strength of our department, managed to organize numerous webinars and a national workshop through online platform. I would like to express my immense gratitude to the editorial team and other colleagues for their sincere contribution and dedication in making this newsletter a solid reality. Hope this will inspire our beloved students to excel in the future.

## DEPARTMENT ADVISORY BOARD (DAB)

Dr. Chithra V. S, Head of the Department  
 Ms. Bindu Sebastian, Associate Professor  
 Mrs. Soni Syed, Assistant Professor  
 Mrs. Jilfa Nazar, Assistant Professor  
 Dr. Elson John, MACE, Kothamangalam  
 Dr. Sobha Cyrus, Professor, CUSAT  
 Dr. Anil Joseph, Managing Director, GeoStructurals Pvt Ltd.  
 Mr. Shaik Aftab, Assistant Manager(Civil), CIAL  
 Mr. Salih K, Director, Asbuilt Engineering Evolution  
 Ms. Anzila K. N, Student Representative

## EVENTS

**E-WASTE MANAGEMENT**

The training session based on 'E - waste management' to Civil Engineering students was conducted in 23rd January 2020. It was organized by the Civil Engineering Department of KMEA and Mr. Kabeer B Haroon, president, GT Nature Care and Energy. In this session, 50 students were participated and it was held at Conference hall, PSTA Block in KMEA Engineering college. It was a breath-taking session which emphasize the importance of reducing waste, conserving resources, fostering creativity, and generating economic opportunities, upcycling can play a pivotal role in addressing our waste challenges.

**TALK ON LUMION SOFTWARE**

The Awareness talk on 'Lumion software' was conducted on 4th February 2020. It was organized by the Civil Engineering Department of KMEA and Arc school of interior desihning, Thripunithura for 78 students of S8 batch. This session is held at Green block, KMEA Engineering college. Discuss about the lumion software and there functions. The session was highly and it gave a clear idea regarding the importance of software.

**TALK ON CARRIER BUILDING**

Awareness talk based on 'Carrier Bulding' conducted by TISAT Group of institutions for S8 students. The one hour session has been conducted. the process of advancing and enhancing one's career over time. It involves various strategies and actions aimed at achieving professional goals, gaining new skills, and progressing in one's chosen field or industry. The speaker emphasized on the improved productivity, profitability, and development of the carrier. In this session 78 students were attended.

**TALK ON SUSTAINABLE URBAN TRANSPORT**

The technical talk on 'Sustainable urban transport' was conducted on 11th February 2020. To make students aware of the importance of Sustainable urban transport which is sustainable mobility or sustainable transportation, is a concept and approach to urban transportation that seeks to minimize the negative environmental, social, and economic impacts of transportation while

maximizing its benefits. The primary goal is to create efficient, accessible, and environmentally friendly transportation systems within cities. The two hour session was handled by Mr. B. J. Antony, Sr. Deputy Transport Commissioner (Rtd). This session was organised by CESA for the students of civil department.

**CESA LOGO LAUNCH**

As the part of Civil Engineering Student Association(CESA), Civil department organized a logo launch on 'E - Waste campaign - Hands to Nature' on 14<sup>th</sup> february 2020 at noon at green block in KMEA Engineering College. This event is hosted by Mr. Kabeer B Haroon, president, GT Nature Care and Energy.

**INDUSTRIAL VISIT**

The 6th-semester students of the Department of Civil Engineering successfully completed their industrial visit to Dakshina Kannada Nirmilthi Kendra, Mangalor, RMX Plant, Ready mix concrete batching plant, Mangalor. The industrial visit was conducted from 31st January to 5th January 2020. The team of students was led by Ms. Sunitha Rani C M, Ms. Timi Thomas and Mr. Nisam of the Civil Engineering department. The students were visited Chikmangalore, Dandeli, Udupi, Mangalore.

**TALK FOR 1<sup>ST</sup> YEAR STUDENTS**

The Pre Engineering talk for first year students was held on 3th October 2020, in online mode. The topic based on the 'Recent trends and oppurtunities in Civil Engineering'. Er. Harish Ramamoorthy, Deputy Manager, Engineering and Proposals power division Thermax limited, Chennai. An interactive session was also arranged, with some of the most accomplished alumni of our department. First year advisors also interacted with the students on the rules and regulations of the college and about KTU curriculum.

## FDP ATTENDED BY FACULTY

**BINDU SEBASTIAN**

- Professional Ethics , Providence College Of Engineering
- Research Avenues in Transportation Engineering, Albertian Institute of Science and Technology, Kalamassery
- Recent Research Advances in Geotechnical and Geological Engineering, Rajagiri School of Engineering and Technology
- Outcome Based Education in Higher Education Sector, Mar Baselios Christian College of Engineering (MBC CET)

**SONI SYED**

- Innovations in Low Cost Constuction Technologies, Rajadhani Institute Of Science And Technology, Palakkad
- Sustainable Building Materials and Practices, Mar Baselios Institute of Technology & Science

**FAZNA NAZIM**

- Emerging Challeges in Sustainable Urban Development, SCMS School of Engineering & Technology,Ernakulam

**MUHAMMED AJMAL**

- Sustainable Building Materials and Practices, Mar Baselios Institute of Technology & Science
- Forensics in Structural and Geotechnical Engineering, Albertian Institute of Science and Technology, Kalamassery
- Remote Sensing and GIS in Civil Engineering, Mar Baselios Christian College of Engineering (MBC CET)

**HUSAIBA N M**

- Forensics in Structural and Geotechnical Engineering, Albertian Institute of Science and Technology Kalamassery
- Emerging Trends in Structural Health Monitoring Procedures, Toc-H Institute of Science and Technology
- Research Opportunities In Environmental Engineering, Bharati Vidyapeeth, College of Engineering, Pune

**JILFA NAZAR**

- Geo mechanics & Structures, LBS Institute of Technology for Women
- Forensics in Structural and Geotechnical Engineering, Albertian Institute of Science and Technology, Kalamassery

**STTP****BINDU SEBASTIAN**

- Induction Training, NITTTR(National Institute of Technical Teachers Training and Research, Kolkata)
- Modelling, Analysis and Design of Structures using latest version of STAAD, NITTTR(National Institute of Technical Teachers Training and Research, Kolkata)
- Outcome Based Education for Technical Institutions - Phase 1, Rajagiri School of Engineering And Technology, Kakkanadu
- Outcome Based Education for Technical Institutions - Phase 2, Rajagiri School of Engineering And Technology, Kakkanadu
- Outcome Based Education for Technical Institutions - Phase 3, Rajagiri School of Engineering And Technology, Kakkanadu

**FAZNA NAZIM**

- Introduction of Accreditation Mechanism NBA Approach, NITTTR(National Institute of Technical Teachers Training and Research, Kolkata)

**ASWATHY K V**

- Modelling, Analysis and Design of Structures using latest version of STAAD, NITTTR(National Institute of Technical Teachers Training and Research, Kolkata)

**HUSAIBA N M**

- Introduction of Accreditation Mechanism NBA Approach, NITTTR(National Institute of Technical Teachers Training and Research, Kolkata)

**RAJITHA N**

- Sustainable Transport For Smart Cities, NITTTR(National Institute of Technical Teachers Training and Research, Kolkata)
- Essentials of Strategic Management, NITTTR(National Institute of Technical Teachers Training and Research, Kolkata)

**FATHIMA S T**

- Modelling, Analysis and Design of Structures using latest version of STAAD, NITTTR(National Institute of Technical Teachers Training and Research, Kolkata)

**LAKSHMY E G**

- Modelling, Analysis and Design of Structures using latest version of STAAD, NITTTR(National Institute of Technical Teachers Training and Research, Kolkata)
- Designing Teaching under Outcome based Education, NITTTR(National Institute of Technical Teachers Training and Research, Kolkata)

**JINU V R**

- Sustainable Transport For Smart Cities, NITTTR(National Institute of Technical Teachers Training and Research, Kolkata

**ATAL FDP****RAJITHA N**

- Green Technology & Sustainability Engineering, AICTE - ATAL ACADEMY

**FAZNA NAZIM**

- GIS & Remote Sensing, AICTE - ATAL ACADEMY

**SHABNA M S**

- Green Technology & Sustainability Engineering, AICTE - ATAL ACADEMY

- Earth quake Engineering, AICTE - ATAL ACADEMY

**MUHAMMED AJMAL**

- Construction Technology, AICTE - ATAL ACADEMY

**HUSAIBA N M**

- GIS & Remote Sensing, AICTE - ATAL ACADEMY

- Green Technology & Sustainability Engineering, AICTE - ATAL ACADEMY

**JINU V R**

- Green Technology & Sustainability Engineering, AICTE - ATAL ACADEMY

**FATHIMA S T**

- Earth quake Engineering, AICTE - ATAL ACADEMY

**JILFA NAZAR**

- Green Technology & Sustainability Engineering, AICTE - ATAL ACADEMY

**BINDU SEBASTIAN**

- Strategic Civil Infrastructure, AICTE - ATAL ACADEMY

- Green Technology & Sustainability Engineering, AICTE - ATAL ACADEMY

**LAKSHMY E G**

- Green Technology & Sustainability Engineering, AICTE - ATAL ACADEMY

**ASWATHY K V**

- Earthquake Engineering, AICTE - ATAL ACADEMY

- Green Technology & Sustainability Engineering, AICTE - ATAL ACADEMY

**STUDENT ACHIEVEMENTS**







- Third year student, Vinay Krishna V. Vinod of Civil Engineering Department designed and donated Pedal Operated Hand Sanitizer Dispenser to Paravur Taluk Hospital in the presence of V. D. Satheeshan, MLA.
- Sana M , student of eighth semester, Civil Engineering Department is one among the team members- EXPERMOB, selected for the final round of Smart India Hackathon 2020.







**PUBLICATIONS**

- Sreelakshmi T B, Surumi Backer P, Sreenath K R, Shibin Rahman (2020) "Partial Replacement of Coarse Aggregate with Coconut shell and using Pulp Black Liquor as Admixture", International Journal for Research in Applied Science & Engineering Technology (IJRASET), IC Value: 45.98; SJ Impact Factor: 7.429, Volume 8, Issue V.
- Fida N N, Faizal Sadiq, K S Irfana Siddiq, Kalyani Ajith(2020) "Study of Strength of 3D printable concrete by Partial Replacement of Quartz Powder by Steel Slag", International Journal for Research in Engineering Application and Management, Vol. 6, Issue 2.
- Sahad V Sageer, Shahanaz T S,Thansy K P(2020) "Carbon Upcycling:An Experimental Study", International Journal of Advance Research and Innovative Ideas in Education,Volume-6 Issue-3.
- Fathima Shahin, Faisal Benny, Aaliya Navaz(2020) "Treatment of synthetic greywater using corn cob", International journal of Creative Research and thoughts, Vol 8, Issue 5.
- K Salim, Linta N P, Muhammed Roush A H, Muhammed Ismail(2020) "K Salim, Linta N P, Muhammed Roush A H, Muhammed Ismail", International journal of Creative Research and thoughts,,Vol 8, Issue 5.
- Aneesha, Asna K A, Christy George, Amir Abdul Azeez(2020) "Use of Plant based Coagulants for Water treatment",International Journal of Advance Research and Innovative Ideas In Education (IJARIE), Volume 6, Issue 3.

## OUR MERITORIOUS STUDENTS

### B. TECH

2016-2020 BATCH		
		
REMZEENA MAJEED (CGPA - 9.25)	AMEERA HYDROSE (CGPA - 9.08)	SHAHINA N I (CGPA - 8.79)
2017-2021 BATCH		
		
NAJIYA SOUNU (CGPA - 9.65)	V A MUHAMMED ASLAM (CGPA - 9.32)	LIYANA SHIRIN (CGPA - 8.64)

2018-2022 BATCH		
		
SHERIHIN K (CGPA - 9.15)	FATHIMA K M (CGPA - 8.89)	NAFIYA (CGPA - 8.81)
2019-2023 BATCH		
		
FIDA FATHIMA P.J (CGPA - 9.59)	BISMI K.J (CGPA - 9.53)	ANZILA K.N (CGPA - 9.36)

### MEMORANDUM OF UNDERSTANDING



The Memorandum of Understanding section displays logos for the following organizations:

- ABAD BUILDERS**: Enriching Values
- TICMAT**: Because Trust is Timeless
- interCAD systems pvt. ltd.**: ISO 9001:2008 Certified Company
- KERALA STATE IT MISSION**
- ALG INTERNATIONAL INSTITUTE OF TECHNOLOGY**: Pursuing Development
- GREEN SUSTAIN**: WASTE MANAGEMENT COMPANY
- cype**



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## STUDENT EDITORS



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AS2 CE



● V A MUHAMMED ASLAM  
S6 CE

