

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: Graduates will be equipped with knowledge, skills, and abilities to perform various functions as competent civil engineers.

PEO2: Graduates will be oriented towards creative thinking and research to tackle problems in civil engineering with social commitment and ethical values.

PEO3: Graduates will have successful careers in different fields of civil engineering and adapt to modern trends by engaging in life-long learning.

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. SIJA ARUN

It is my pleasure to address you once again through our department newsletter 'INSIGHT', highlighting the latest developments, accomplishments, and prospects within our department. I express my gratitude and admiration for the unwavering dedication and hard work displayed by each one of you. Let us celebrate our recent achievements in research excellence, teaching excellence, community engagement, collaborations, and student success. Looking ahead, I encourage all of us to maintain this momentum and continue striving for excellence. I extend my appreciation to the newsletter team for their diligent work in keeping our community informed and connected. Let us ensure that our department newsletter remains a vibrant platform for celebrating our successes and sharing our collective wisdom. Thank you for your hard work and dedication. I am excited about the future of our department and confident that we will continue to achieve remarkable milestones together. Best wishes in your endeavors.

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. Sija Arun, Head of the Department
 Ms. Bindu Sebastian, Associate Professor
 Mr. Soni Syed, Assistant Professor
 Dr. Biji C Thomas, Assistant Professor
 Dr. Elson John, MACE, Kothamangalam
 Dr. Sobha Cyrus, Professor, CUSAT
 Dr. Anil Joseph, Managing Director, GeoStructurals Pvt Ltd.
 Mr. Salih K, Director, Asbuilt Engineering Evolution
 Ms. Anzila K. N, Student Representative

FUNDED PROJECTS

NATPAC SURVEY

- The Civil Engineering Department received funding from National Transportation Planning and Research Center (NATPAC) to carry out performance evaluation of Kochi water metro. Evaluating the performance of the Kochi Water Metro project is essential to gauge its effectiveness, efficiency, and impact on the city's transportation system and the community.
- The Civil Engineering Department received funding from National Transportation Planning and Research Center (NATPAC) to carry out Road safety improvement works of Kerala under world bank assisted challenge fund. The traffic survey was conducted with a view for developing coastal roads and forming cycle tracks. Coastal Highways in Thiruvananthapuram, Kollam and Alappuzha districts were included in this project. Traffic survey of Thottapally, Valiyazheekal and Punnapra junctions in Alappuzha district, were carried out by our department. The project was led by Asst Prof. Midhun Mohan. Data collection was done using videographic method.
- The Civil Engineering Department received funding from National Transportation Planning and Research Center (NATPAC) to carry out traffic surveys for Angamali – Erumeli sabari rail project. This survey involves counting the number of vehicles passing through specific points on the proposed rail route. This data helps in understanding the current road traffic conditions and potential demand for the rail project. Analyze the flow of traffic during different times of the day and week. This helps in understanding peak traffic hours and helps in designing the rail schedule to accommodate these peak periods. The public opinion and feedback are crucial in assessing the need and viability of a rail project. Surveys and consultations with stakeholders, such as local residents, businesses, and government authorities, are essential to gauge support and identify concerns. The project was led by Asst Prof. Midhun Mohan.



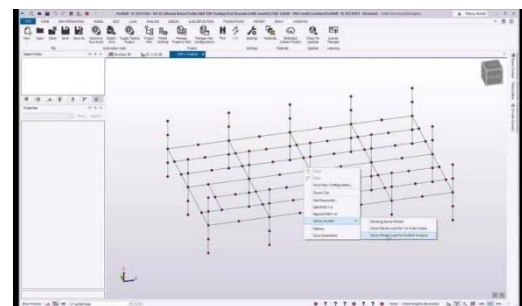
WORKSHOP

TEKLA STRUCTURAL DETAILING & MODELLING

The webinar on 'Tekla Structural Detailing and modeling' was hosted by the Department of Civil Engineering on 06/10/2022, to make students aware of the importance of acquiring skills in latest softwares like Tekla. Tekla Structures is a Building Information Modeling software that is used to model structures that incorporate different kinds of building materials, including steel, concrete, timber and glass.



The one hour session was handled by Mr. Gith George Emmatty., Reliant Institute of Technology. The Tekla Structural Detailing & Modeling is an educational event with an emphasis on instructing participants on how to utilize Tekla software for these purposes. Tekla is a well-known piece of software used for structural engineering and building information modeling (BIM) jobs.



The Workshop was conducted in association with TEP Cell. The workshop provided an excellent opportunity for students and faculty member to interact with these speakers. The team effort of the organisers on planning and coordinating the event was widely acknowledged by the speakers.

TECHNICAL TALKS

ANTIBIOTIC POLLUTION - AN EMERGING THREAT TO ENVIRONMENT

The Department of Civil Engineering organized a technical talk for second and third year students on 2nd December 2022.



The session was handled by Dr. Sija Arun, HoD, Dept of Civil Engineering, KMEA. The objective of the talk was to create awareness about the Antibiotic Pollution- An emerging Threat to Environment.

The pollution caused by antibiotics is indeed an emerging threat to the environment. Antibiotics are essential for treating bacterial infections in humans and animals, but their widespread use, both in medical treatment and agriculture, has led to the contamination of ecosystems.

TALK ON WASTE MANAGEMENT & CONCEPT OF UPCYCLING

The technical talk on 'waste management & concept of upcycling' was conducted on 22th February 2022. It was organized by the Civil Engineering Department of KMEA and Mr. Kabeer B Haroon for Civil Engineering students were 5 faculty and 70 students attended the programme.



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.

INTELLECTUAL PROPERTY AWARENESS

The webinar on 'Intellectual property rights' was hosted by the Department of Civil Engineering on 1st October 2022, to make students aware of the importance of Intellectual property rights which is designed to encourage innovation and creativity by providing individuals and organizations with exclusive rights to their creations, allowing them to benefit financially from their work and protect it from unauthorized use or reproduction.

The two hour session was handled by Dr. Daniel C, Asst. Prof, Dept of Civil Engg, Hindustan Institute of Technology and Science, Chennai. The speaker emphasized on the improved productivity, profitability, and accuracy of enforcement of intellectual property rights is critical to preventing infringement and protecting the interests of creators and innovators.

WEBINARS

INTELLECTUAL PROPERTY RIGHTS

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CAREERS IN BIM- BASED ON ONGOING VISION 2030 PROJECTS IN SAUDI ARABIA

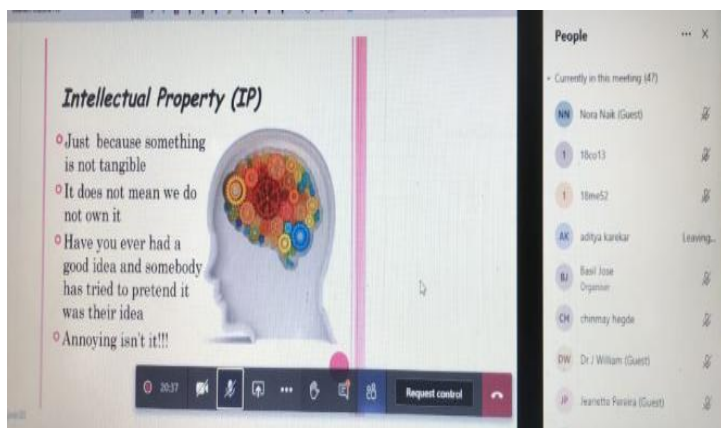
Association of Civil Engineering (ACE) under the Department of Civil Engineering organized a webinar on 'Careers in BIM- Based on ongoing Vision 2030 projects in Saudi Arabia' by Mr. Midhun Das, BIM consultant (UAE), for the S5 and S7 students of Civil Engineering on 26th November 2022.



The session was really inspiring and gave information on how an intelligent model based process helps the professionals to plan, design, construct and manage buildings and infrastructure efficiently. The concept of BIM from conceptual planning to final documentation stage and also the concept of digital twin was discussed.

INTELLECTUAL PROPERTY AWARENESS

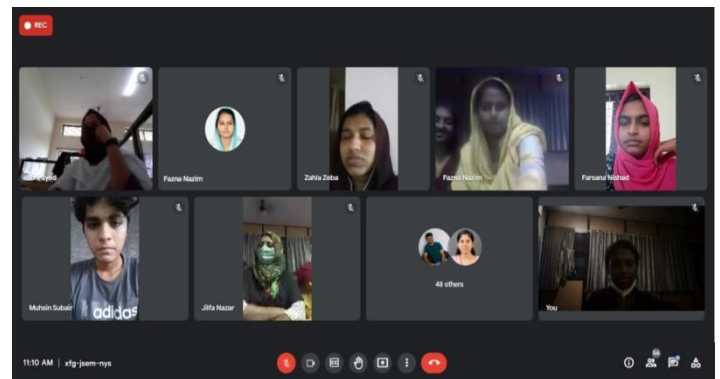
Civil Engineering Department in association with TEP Cell conducted a webinar on 'IP awareness' on 11th March 2022. The session was handled by Mr. Sreedhar Panchumarthi, to make students aware of the importance of level of understanding and knowledge that individuals, businesses, and organizations have about intellectual property (IP) rights and how they apply to various aspects of their work or activities.



The session was highly informative and it gave a clear idea regarding the Types of Intellectual Property, Ownership and Protection, Infringement and Enforcement, IP Strategy, IP Education and Training etc.

ALUMNI TALK-ENTREPRENEURSHIP IN ITS BARE BONES

The webinar was hosted by the Department of Civil Engineering on 30th August 2022, to make students aware of identifying opportunities, taking calculated risks, and creating value in various forms after completing civil engineering.



The speaker Mr. Vinaykrishna V Vinod, Alumni 2017-21 batch, Full Stack Developer, Dev Factory, addressed the session. The session consisted of discussions about various opportunities for young graduates in general sector, technical sector and PSU's.

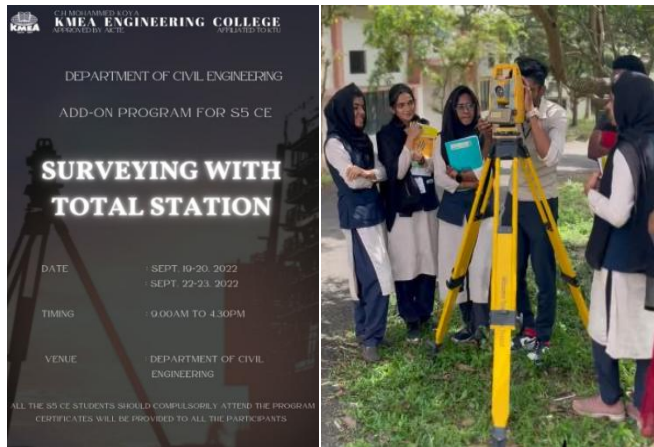
TALK ON OPPORTUNITIES AFTER ENGINEERING THROUGH GATE & ESE

A webinar on "opportunities after Engineering through GATE & ESE" was organized by the Department of Civil Engineering for final year students on 26th June 2022. The resource person was opportunities after Engineering through GATE & ESE. Around 27 students attended the session. The session was highly informative and it gave a clear idea regarding the importance of the Entrance Exam, its benefits and the registration process.

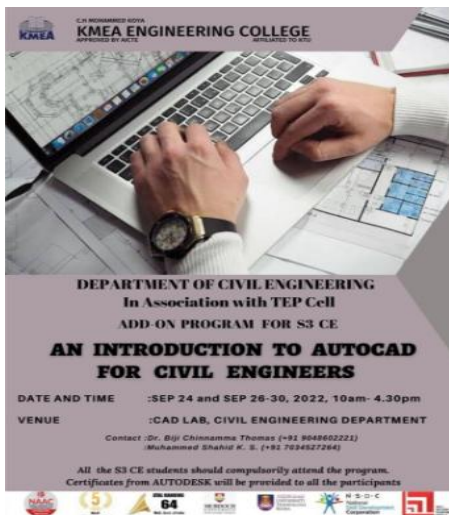
ADD ON COURSES OFFERED

ADD-ON COURSE FOR S5 STUDENTS

Add on course on total station was a 5 day programme conducted by civil department in collaboration with cad campus which had a participants count of 43. The event was hosted by Mr. Sijo, CADD Campus. This course typically refers to additional training or coursework that focuses on using total stations, which are advanced surveying instruments used in the fields of civil engineering, construction, land surveying, and geomatics. Total stations combine the functions of a theodolite and an electronic distance measurement (EDM) device into a single instrument, making them essential tools for precise measurements and data collection. This course is conducted in 19, 20, 22, 23rd September 2022.



ADD-ON COURSE FOR S3 STUDENTS



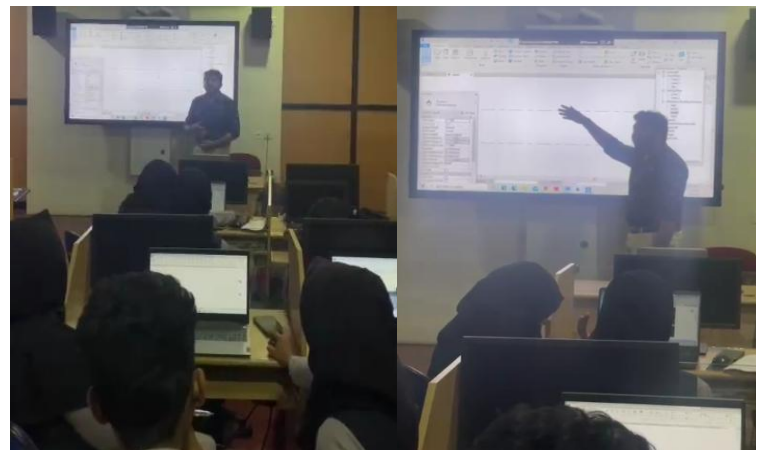
Add on course started on September 24,2022, with 68 students. The lectures were followed by lab sessions on each day until September 30, 2022. The use of AutoCAD in civil engineering drawing was experienced firsthand by the students. The students get introduction about AUTOCAD and basic knowledge

about the tools. They get better experience in AUTOCAD software. The feedback was collected and obtained a positive response from the students.



ADD-ON COURSE FOR S7 STUDENTS

Add on course on Revit Architecture with BIM overview was a 5 day programme conducted by civil department in collaboration with Intercad Systems which had a participants count of 50. The event was hosted by Mr. Ameen Ansari, Intercad Systems Pvt. Ltd. This course typically says about the BIM overview and functions. These days get the chance to draw and study about the revit software. The sir is very friendly and have chance to ask questions about the software. Some students completed the full design process. This course is conducted in 20, 21, 22, 23, 24th February 2023.



FDP ATTENDED FACULTY

SIJA ARUN

- Sustainable Urban Mobility and Public Transport, KMEA Engineering College, Ernakulam

BINDU SEBASTIAN

- Geotechnical Engineering Practices, LBS Institute of Technology for Women, Poojapura
- Building Information Modeling Tools for Digital Transformation in Construction, Albertian Institute of Science and Technology, Kalamassery
- Sustainable Urban Mobility and Public Transport, KMEA Engineering College, Ernakulam

BIJI C THOMAS

- Sustainable Urban Mobility and Public Transport, KMEA Engineering College, Ernakulam

DANIEL PAUL

- Sustainable Urban Mobility and Public Transport, KMEA Engineering College, Ernakulam

SONI SYED

- Geotechnical Engineering Practices, LBS Institute of Technology for Women ,Poojapura
- Sustainable Urban Mobility and Public Transport, KMEA Engineering College, Ernakulam

JINU V R

- Sustainable Urban Mobility and Public Transport, KMEA Engineering College, Ernakulam

FATHIMA S T

- Building Information Modeling Tools for Digital Transformation in Construction, Albertian Institute of Science and Technology, Kalamassery
- Sustainable Urban Mobility and Public Transport, KMEA Engineering College, Ernakulam

FAZNA NAZIM

- Geotechnical Engineering Practices, LBS Institute of Technology for Women ,Poojapura
- Nanotechnology in Engineering for a sustainable future, Sree Narayana Gurukulam College of Engineering, Kadayiruppu
- Sustainable Urban Mobility and Public Transport, KMEA Engineering College, Ernakulam

LAKSHMY E G

- Advanced Concrete Technology, MA College of Engineering, Kothamangalam
- Sustainable Urban Mobility and Public Transport, KMEA Engineering College, Ernakulam

SANDHYA ANAND S S

- Sustainable Urban Mobility and Public Transport,

HUSAIBA N M

- Building Information Modeling Tools for Digital Transformation in Construction, Albertian Institute of Science and Technology, Kalamassery
- Sustainable Urban Mobility and Public Transport, KMEA Engineering College, Ernakulam

MITHUN MOHAN

- Sustainable Urban Mobility and Public Transport, KMEA Engineering College, Ernakulam

MUHAMMED AJMAL

- Sustainable Urban Mobility and Public Transport, KMEA Engineering College, Ernakulam

BENOY BENJAMIN

- Geotechnical Engineering Practices, LBS Institute of Technology for Women ,Poojapura
- Sustainable Urban Mobility and Public Transport, KMEA Engineering College, Ernakulam

RAJEENA K K

- Building Information Modeling Tools for Digital Transformation in Construction, Albertian Institute of Science and Technology, Kalamassery
- Sustainable Urban Mobility and Public Transport, KMEA Engineering College, Ernakulam
- Use of Building Information Modelling Tools, Albertian Institute of Technology Kalamassery, Kochi

SREEREKHA K

- Sustainable Urban Mobility and Public Transport, KMEA Engineering College, Ernakulam

LAKSHMI S ANIL

- Geotechnical Engineering Practices, LBS Institute of Technology for Women ,Poojapura
- Sustainable Urban Mobility and Public Transport, KMEA Engineering College, Ernakulam

SHAFNA K JAMAL

- Building Information Modeling Tools for Digital Transformation in Construction, Albertian Institute of Science and Technology, Kalamassery
- Sustainable Urban Mobility and Public Transport, KMEA Engineering College, Ernakulam

AJESH SHANKAR M

- Use of Building Information Modelling Tools, Albertian Institute of Technology Kalamassery, Kochi
- Advanced Soil Reclamation Techniques, Muthoot Institute of Technology & Science, Varikoli, Ernakulam

STUDENT ACHIEVEMENTS

- Fidha Fathima P. J of final year student Presented idea as one among the selected 10 teams out of 100 screened entries in KREEPA - Green Energy cum E-mobility expo and technology Conference-Students Innovation competition.
- Akhila M S of final year student got runner up in KTU Interzone Kabbadi championship 22-23.
- Fthima Asna got Young innovator award for girls ideathon- we ideathon in CUSAT
- Viveeth krishna got second prize in KTU D zone intercollege kabaddi championships
- Irfas mohammed got second prize in KTU D zone intercollege kabaddi championships

INTERSHIPS







- Twenty students of seventh semester Civil Engineering, underwent an internship in Madeckal constructions, Muvattupuzha, from 01/07/22 to 06/07/22.
- Five students of third semester Civil Engg, underwent an internship in Techmaghi, kalamassery, from 05/09/22 to 10/09/22.
- Twenty students from fifth semester Civil Engineering, underwent an internship conducted by NATPAC and carried out traffic surveys for angamali - erumeli sabari rail project, from 28/9/2022 to 1/10/2022.

PUBLICATIONS

- Roshni Prasad and Lakshmy E.G (2023) "The Performance analysis of channel beam with web openings of different diameters", International Research Journal of Modernization in Engineering Technology and Science (IRJMETS), Vol 05, Issue 05.
- Sana Sainaba K M and Jinu V R (2023) "Internal and External Strengthening Of 3D Printed Digital Concrete Columns", International Research Journal of Modernization in Engineering Technology and Science (IRJMETS). Vol 05, Issue 05.
- Thansiya T K and Husaiba N M (2023) "Performance Analysis of Lipped Channel with Corrugation and Web Opening", International Research Journal of Modernization in Engineering Technology and Science (IRJMETS), Vol 05, Issue 05.
- SOJA AS and HUSAIBAN M (2023) "Static and Dynamic Investigation of Plants Inspired Bio-Mimick Column Structure", International Research Journal of Modernization in Engineering Technology & Science (IR.IMETS) volume 05 Issue 05.
- Mohammed Ameen K A and Daniel Paul Thanaraj (2023), "Finite Element Analysis of Renovated RC frame under column removal scenario", International Research Journal of Modernization in Engineering Technology and Science (IRJMETS), Volume 5, Issue 5.
- Abdu Samad CP and Sreerekha K (2023) "Investigating The Use Of FRP U-Wrap and GFRP Rebar For Retrofitting With and Without Crack Propagation". International Research Journal of Modernization in Engineering Technology and Science (IRJMETS). Vol 05, Issue 05.
- Abdul Razick A and Muhammed Ajmal (2023) "Seismic Performance of Composite Integrated Multistorey Building with PT Slab", International Research Journal of Modernization in Engineering Technology and Science (IRJMETS). Vol 05, Issue 05.
- Binoy R and Fathima S Thaikudiyil (2023), "Performance Analysis of Double-Plate Connected CFST Composite Columns", International Research Journal of Modernization in Engineering Technology and Science (IRJMETS). Volume 5, Issue 5.
- Hiba Jabbar and Lakshmi S Anil (2023). "Integration of combined CFS and CFRP as an internal shear and tension reinforcement in reinforced concrete beams", International Research Journal of Modernization in Engineering Technology and Science (IRJMETS). Volume 5, Issue 5.
- Faby Sajeel and Soni Syed (2023). "Structural behavior of hollow core double steel plate concrete composite slabs", International Research Journal of Modernization in Engineering Technology and Science (IRJMETS), Volume 5, Issue 5.




OUR MERITORIOUS STUDENTS

B. TECH


2019-2023 BATCH		
		
ANZILA K.N (CGPA - 9.41)	FIDA FATHIMA P.J (CGPA - 9.2)	BISMI K.J (CGPA - 9.04)
2020-2024 BATCH		
		
ASMA HAFEEM (CGPA - 9.08)	ANU S PILLAI (CGPA - 8.43)	FEBINA FATHIMA (CGPA - 8.17)

2021-2025 BATCH		
		
AFRIN FATHIMA V K (CGPA - 7.69)	FATHIMA BEEVI (CGPA - 7.66)	FIZA FATHIMA (CGPA - 7.63)
2022-2026 BATCH		
		
HUSNA FARHIN K A (CGPA - 7.91)	FATHIMA K I (CGPA - 7.53)	ASLAHA FARHATH (CGPA - 7.38)

M. TECH

2021-2023 BATCH		
		
SANA SAINABA K M (CGPA - 9.18)	HIBA JABBAR (CGPA - 8.63)	BINOY R (CGPA - 8.47)

PLACEMENTS

					
ANEESHA V R SUTHERLAND GLOBAL	ANGEL JOSE SUTHERLAND GLOBAL,GOAN INSTITUTE INTERNATIONAL CONSOCIATION OF EDUCATION PVT, LTD,	FATHIMA FEBY T A SUTHERLAND GLOBAL,GOAN INSTITUTE INTERNATIONAL CONSOCIATION OF EDUCATION PVT, LTD,	FATHIMA NAZNEEN N U GOAN INSTITUTE INTERNATIONAL CONSOCIATION OF EDUCATION PVT, LTD,	FASEELAMOL K K SUTHERLAND GLOBAL	SNEHA ROY SUTHERLAND GLOBAL
					
BISMI K J SUTHERLAND GLOBAL	FARZANA BASHEER SUTHERLAND GLOBAL	FATHIMA SHERIN K J SUTHERLAND GLOBAL	FIDHA FATHIMA P J SUTHERLAND GLOBAL	HAFFEDA RAZAN M M SUTHERLAND GLOBAL	SUMAYYAMOL V S QUESA DEVELOPERS

EVENTS

ONAM CELEBRATION



The Department of Civil Engineering in association with KMEA Engineering college, on 3rd September 2022. Department Onam celebrations are a way for colleagues to come together, enjoy the rich cultural heritage of Kerala, and strengthen their bonds as a team. It also provides an opportunity for people from different backgrounds to learn and appreciate the traditions and customs associated with the festival.

CHRISTMAS CELEBRATION



The Association of Civil Engineering organized a christmas celebration on 23rd december 2022. this program was inaugurated by college principal. There so many tasks and very enjoyable moment. Department Christmas celebrations are not only a way to celebrate the holiday season but also an opportunity to foster a sense of unity, gratitude, and goodwill among colleagues. It's a time to appreciate the hard work and contributions of employees while enjoying the festive spirit of Christmas.

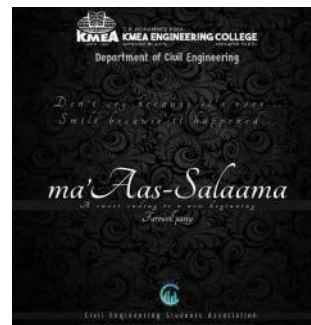


IFTHAR NIGHT

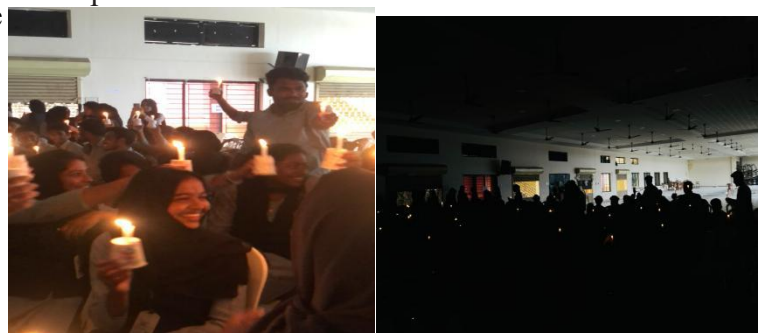


The Department of Civil Engineering organized an Iftar night on 25th april 2022. Iftar nights in college are not only a way for Muslim students to observe their religious traditions but also a means of promoting diversity, fostering understanding, and building a sense of community within the educational institution. It's a time when people from various backgrounds can come together to celebrate and share in the spirit of Ramadan. The students are organised chicken briyani, water and cut fruits. The students and teachers are presented in this night.

FAREWELL



A farewell party was arranged by the juniors to their seniors "ma' Aas-Salaama" on 6th July 2021, via google meet. The session started with a welcome speech by juniors. Dr. Chithra V. S, HoD, Dept. of Civil Engineering and other senior faculty of the department felicitated and wished them success in their future journey. The outgoing students also shared their fond memories in their campus life. The programme was colorful with songs and other entertainment programs. A beautiful video tribute was dedicated to the outgoing students, which covered their four years of life at college campus.





EDITORIAL BOARD MEMBERS



CHIEF EDITOR

Ms. Jinu V. R
Assistant Professor
Department of Civil Engineering



SUB EDITOR

Ms. Husaiba N. M
Assistant Professor
Department of Civil Engineering



SUB EDITOR

Ms. Lakshmy E. G
Assistant Professor
Department of Civil Engineering

STUDENT EDITORS



● ANEEZ E A
S8 CE



● FATHIMA LAHANA C.A
S6 CE

