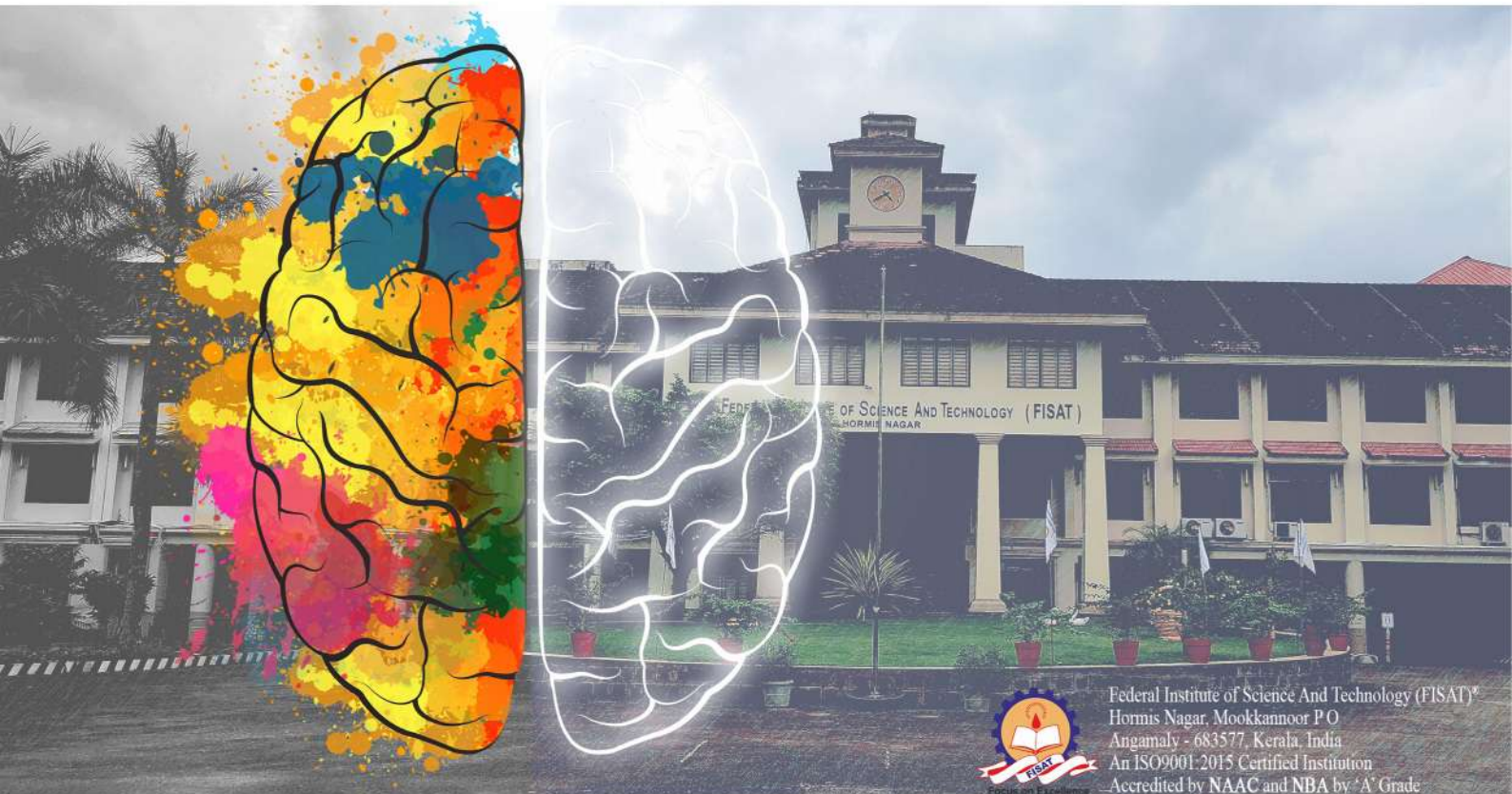




**OUR GREATEST
GLORY IS NOT IN
NEVER FALLING, BUT
IN RISING EVERY
TIME WE FALL**

About the Department

The Department of Civil Engineering has been a part of FISAT since its inception in 2002. In 2011, it became full fledged Department of Civil Engineering by offering UG program. The aim of the department is to chisel the students with the principles to practice the profession of Civil Engineering, to provide comprehensive education and training at the levels of materials, tools, planning, analysis, design and maintenance of structures. The Department also ensures the graduates with strong ethical and moral values and moulds them to be socially committed global citizens.



Federal Institute of Science And Technology (FISAT)[®]
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Vision

Emerge as a Center of Excellence in Civil Engineering, fostering globally competent and socially committed Civil Engineers.

Mission

M1: To provide comprehensive education and training at the levels of materials, tools, planning, analysis, design and maintenance of structures.

M2: To encourage research and development in the field of Civil Engineering that are useful for the society.

M3: To equip the graduate with strong ethical and moral values and make them socially committed.

Program Educational Objectives (PEOs)

PEO1: The graduates of Civil Engineering will be able to have a successful career in industry and government sector with their strong understanding of civil engineering solutions in a global, economic, environmental and social context.

PEO2: The graduates of Civil Engineering will be able to pursue higher studies in the broad domain of Civil Engineering and engage in lifelong learning through certifications and activities of professional bodies.

PEO3: The graduates of Civil Engineering will be able to become successful entrepreneurs and become a part of the nation building process serving the society in a responsible and ethical manner.

Programme Specific Outcomes (PSOs)

After successful completion of BTech in Civil Engineering, students will be able to:

PSO1: Feasibility of Civil Engineering Projects: Conduct surveys and site investigations for Civil Engineering projects and prepare feasibility reports.

PSO2: Analysis and Design in Civil Engineering: Plan, Analyse and Design Civil Engineering solutions giving due consideration to society, cost, safety and sustainability.

PSO3: Execution of Civil Engineering Projects: Supervise, test and evaluate construction of structures, materials, manage resources and maintenance of structures.

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1st - 3rd JUNE, 2022
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Mr. Shimith P R Chairman's Message

It gives me great pleasure to write a note for the Civil Department's annual newsletter "Pathway 2022". As the college emerged from the dusky days due to Covid it was hard to start from scratch, despite all those hurdles, the college overcame them all with great enthusiasm. This year has certainly been a phenomenal one, the year commenced with the intercollegiate festival BHARATHAM2K22 with zealous energy, which coupled with the tech fests of different branches has assuredly given the students a lot of exposure. The Civil Departments International conference SECON'22 followed by the tech fest INCEPTO'22 was such an outstanding event and a special congratulations must be extended to the entire Civil department on the grant success of the event. Moreover, academics is the vital part of all of these as you gain exposure and experiences you never fall behind in your studies because FISAT focuses on excellence in all the realms.

As the chairman of the college, I am proud of the commitment of teachers to the holistic development of young minds, toward which our efforts remain focused. Nothing is possible without guidance, and I sincerely thank my friend Dr. Jiji Antony, Head of the Civil Department who has been a constant pillar of support for the students. I commend the Editorial Team for bringing yet another edition of the Civil Department magazine Pathway 2022. This is purely the hard work and sweat of many teachers and students, a hearty congratulations to them.

Dr. Manoj George Principal's Message



I am delighted to know that the Civil Department is bringing their latest edition of newsletter PATHWAY 2022. The department has never failed to mark remarkable stones in academics as well as extra curricular activities. It is clear that the Civil Department is versatile and capable as shown by the success of the International conference SECON '22, followed by the tech fest INCEPTO'22. I am taking up this opportunity to congratulate every teacher and students who worked day and night to make it a success. Our earnest attempt should be towards upholding academic integrity, accountability, sustaining open and transparent systems, and being sensitive to social responsibilities. I congratulate all the students and teachers who made this a success. Let your hard work strive you to unreachable heights.

Dr. Jiji Antony HOD's Message



I am very happy that the Civil Engineering Department of FISAT is releasing 7th issue of 'Pathway' as a forerunner of department activities. It is a technical platform to bring out the hidden talents of students and faculty. Each issue of this newsletter is a proud milestone of our events that measure our professionalism. The major strength of our department is a team of well qualified and dedicated faculty who are continuously supporting the students for their academic excellence.

It gives me immense pleasure to see the programmes and achievements of students and faculty on the latest trends in Civil Engineering. The department had showcased the international conference SECON22 that enlightened our students and research scholars to the world of science and technology. I am sure that through collaborative efforts we can achieve more and we should make use of the platform 'Pathway' to express our views and to update our knowledge. I congratulate the team of faculty members and the students for their contribution to department activities and look forward to future developments. Heartiest congratulations to the editorial board and special thanks to Asst. Prof. Leena Samuel for the development of the newsletter. Also, I would like to thank the management who have given exemplary support and contributions to the department.

Ms. Leena Samuel Panackel Editorial voice



Our department is proud to present you with the 7th edition of the annual newsletter, entitled "PATHWAY'22". Pathway brings into limelight all the developments in the academics, achievements and the co-curricular activities from the students and faculty of Civil engineering department. Despite being a challenge, watching the newsletter unfold into an odyssey was mesmerizing as everyone contributed their inventive ideas. We all believe, perhaps illusory, that we have so much more to say than what appears in our writings. Words serve as audible links between mostly inaudible feelings and purposes, which can be seen throughout this endeavor.

Pathway is more than just a newsletter, where its pages reveal the achievements and aptitudes of the department and covers varying events from SECON'22, which is a part of the sixth edition of the annual conference and the third international conference, organised by the department of Civil Engineering, the technical fest INCEPTO'22, industrial visits, add-on courses and the incredible achievements of our students. Dr. Unni Kartha G, Professor, Department of Civil Engineering who is the creator and editor of the Department blog <http://cefisat.blogspot.com/>, deserves a special recognition for his contribution to the Department newsletter. I would also like to thank the editorial team members without whose creative, passionate, and unwavering support, this newsletter would not be possible.

Congratulations!

Adhila Babu



Divya S



Siddharth Biju



Gokul S



Theresa Jojo



**BEST OUTGOING
STUDENT**

**ALL ROUNDER
STUDENT**

**ALL ROUNDER
STUDENT**

**PROFICIENCY
AWARD WINNER**

**PROFICIENCY
AWARD WINNER**

The Department of Civil Engineering congratulates Ms. Ritika Raghu (S1CE) for securing 10/10 SGPA in the first semester university examinations 2020.



Ms. Divya S (S7CE) awarded Best performance in Construction Technology and Design and Concrete structures by Dalmia Cements

FUNDED PROJECT



An amount of ₹50,000 was sanctioned for the project titled "Study on effectiveness of mobile sensors in Detecting subsurface cavities - A step towards early detection of cavities in Kerala" under the KTU CERD students project scheme 2022. Principal investigator of the project was Ms. Panjami K, Assistant Professor, Department of Civil Engineering and students members of the group were Aleena Garvasis, Gokul S, Jayathri S Kumar and Apsara S Baiju of S7CEA.

FUNDED PROJECT



EOI accepted for Funded Project-Questionnaire survey at Aluva region for the project "Impact of Integrated Feeder Services for encouraging public Transport Patronage" of KSCSTE- National Transportation Planning and Research Centre (NATPAC). The student members were Mohamed Ramees, Siddharth Biju, Vishnu Sunil, Rahul N S, Mohamed Irfan Mohamed Shafeer and Nourosh Komu K N of S7CEB and was guided by Ms. Sharon Jacob, Assistant Professor, Department of Civil Engineering.

DEPARTMENT ADVISORY COMMITTEE

The Department Advisory Committee (DAC) was reconstituted in the year 2020. The current members of DAC are:



Dr. T P Somasundaran
Retd. Professor
NIT Calicut



Mr. Dinesh C P
Managing Director
FRBS, FACT, Cochin



Er. Suresh S
Consultant
Associated Structural Consultants, Kochi



Dr. Manoj George
Principal
FISAT



Dr. Mini P R
Dean-Academics and
College IQAC Coordinator, FISAT



Dr. C Sheela
Vice Principal
FISAT



Dr. Jiji Antony
Professor and Head
Dept. of CE, FISAT



Dr. Unni Kartha G
Professor
Dept. of CE, FISAT



Dr. Kavitha P E
Associate Professor
Dept. of CE, FISAT



Ms. Rinu J Achison
Department IQAC member,
Dept. of CE, FISAT



Mr. Joby Thomas
Parent Member



Mr. Stefan Jose Panackal
Project Office of Civil, Cochin Shipyard
Alumni member



Mr. Agi Abraham
Chairman,
BAI, Angamaly Centre



Ms. Anupuma Johnson
Student Representative



INCEPTO'22



അങ്കമാലി ഫിസാറ്റിൽ ആരംഭിച്ച സാങ്കേതിക മേള റെന്റുകോ ഡയറക്ടർ ജോണി തോമസ് ഉദ്ഘാടനം ചെയ്യുന്നു

ഫിസാറ്റിൽ സാങ്കേതിക മേളക്ക് തുടക്കം

അങ്കമാലി: ഫിസാറ്റ് എൻജിനീയറിങ് കോളേജിൽ സാങ്കേതിക വിദ്യ കളുടെയും നൂതന നിർമ്മിതികളുടെയും കാര്യമായി "സാങ്കേതിക മേള" (ഇൻസെപ്റ്റോ -22) തുടക്കമായി. റെന്റുകോ ഡയറക്ടർ ജോണി തോമസ് സമ്മേളനം ഉദ്ഘാടനം ചെയ്തു.

കോളേജ് ചെയർമാൻ പി.ആർ. ഷിമിത്ത് അധ്യക്ഷത വഹിച്ചു. ഫിസാറ്റ് സിവിൽ എൻജിനീയറിങ് വിദ്യാർത്ഥികൾ തന്ത്രം നൽകുന്ന പരിപാടിയിൽ ഒരു ലക്ഷത്തിന്റെ സമ്മാനങ്ങളാണ് വിവി

ധ മത്സര വിഭാഗങ്ങളിലായി വിതരണം ചെയ്യുന്നത്. കേരളത്തിലെ തെരഞ്ഞെടുക്കപ്പെട്ട 25ൽ അധികം കോളേജുകളിൽ നിന്നായി ആയിരത്തിലേറെ വിദ്യാർത്ഥികൾ പ്രദർശന മേളയുടെ ഭാഗമായി. സിവിൽ എൻജിനീയറിങ് വിഭാഗം മേധാവി ഡോ. ജിജി ആന്റണി, പ്രോഗ്രാം കോോഡിനേറ്റർ നിത്യ ജെ. അച്ചിസൺ, ഡോ. ജി. ഉണ്ണികൃഷ്ണൻ, സ്റ്റുഡൻറ് കോോഡിനേറ്റർമാരായ എസ്.ദിവ്യ, മുഹമ്മദ് റശീദ് തുടങ്ങിയവർ തന്ത്രം നൽകി.

സെമിനാർ

ആലുവ സബ് റിജനൽ ട്രാൻസ്ഫോർട്ടേഷൻ ഫിസാറ്റിൽ ഡിവിഷൻ വിദ്യാഭ്യാസ സാഹചര്യങ്ങളിലെ വാഹന ഡ്രൈവർമാർക്കും ഡോർ അറ്റൻഡൻ്റ്മാർക്കുമായി മോട്ടോർ വാഹന വകുപ്പ് ബോധവൽക്കരണ സെമിനാർ നടത്തി. ആലുവ ജോ.ആർ.ടി.ഒ സെലിം വിജയകുമാർ ഉദ്ഘാടനം ചെയ്തു. മോട്ടോർ വാഹനങ്ങൾ ഇൻസ്പെക്ടർ കെ.ജി. ബിജു അധ്യക്ഷത വഹിച്ചു. കെ.സന്തോഷ് കുമാർ ക്ലാസ് നടത്തി. കെ.എം. രാജേഷ് സ്വഗതം പറഞ്ഞു.

The Department of Civil Engineering hosted the inter college technical fest INCEPTO'22, on 30th and 31st May 2022. Several events were hosted as part of INCEPTO'22 including, Talk with Techie, Design and Software Workshop, Debate competition, Project Expo - Aavishkar, Idea Pitching Competition - Consilio, Model making competition, Cubix - cube strength competition, "Spiromania" - Tower making competition, Fun events like Paint it Red, performance by students and so on and a new logo for INCEPTO was launched which portrays the Department name. The logo was designed by Mr. Akshay K M, S6CEA. The program was jointly organised by ASCE, ACE and ICI Kochi Chapter. Radio Mirchi was the media partner. The event was a great success with participants from various schools and engineering colleges.



DESIGN & SOFTWARE FESTWARI

Theme: Civil

30th

BEST PROJECT



"Detection of subsurface cavity using GPR"
by Aleena Garvasis, Apsara S Baiju, Gayathri S Kumar and Gokul S
Guided by Ms. Panjami K

SOCIAL RELEVANCE



"Municipal Solid waste management in Kakkanad suburb by bin allocation using ArcGIS"
by Akhil K Ajith, Aleena Sajan Abbas, Aleena Shyjo and Divya S
Guided by Mr. Jawahar Saud S

INDUSTRIAL RELEVANCE



"Study of Stabilization of Pile Bore Holes Using Polymers and Nanographite"
by Hrithik Raj T P, Lakshmi Priya, Sandra Hari and Vikash K
Guided by Ms. Keerthi Sabu

INDUSTRIAL RELEVANCE



"Adsorption Treatment Of Dairy Waste Water using Charcoal"
by Mohamed Irfan Mohamed Shafeer, Nourosh Komu K N Vivek P Venugopal and Muhamed Sahal A A
Guided by Mr. Jawahar Saud S

INNOVATIVE PROJECT



"Design of interface adaptor for structural testing of habitable module for manned space mission"
by Koushik P, Raslana Rahaman, Sneha Saji Mathew and Theresa Jojo
Guided by Dr. Unni Kartha G

VIDEO PRESENTATION



"Accident Costing in Ernakulam City using Human Capital Approach"
by Aiswarya Anand, Arthika Francis, Bently Biju Koshy and Devasena P M
Guided by Ms. Sumayya Naznin P H

CIVIL ENGINEERING PRACTICE, CEMENT INDUSTRY & CAREER BY DALMIA CEMENTS




The Department organized a workshop in association with Dalmia Cements, one of the leading cement manufacturers of the country, on 21st March 2022 in the Department seminar hall at 9.30am. The program was aptly titled "Practical Civil Engineering and Career Building" as the main objective of the program was to give students a fresh perspective about civil engineering practice, the cement industry, and the various career opportunities for fresh engineers. The program kicked off with a hearty welcome to the team from Dalmia cement by the Head of the Department, Dr. Jiji Antony.

The workshop was handled by Mr. Santhosh S Nair, AGM, Dalmia Cements. His session outlined the history of cement manufacturing, production, consumption pattern and the practical issues with regard to the use of cement in concrete. He shared his experiences - right from the start of his career, marking the absence of construction software like AutoCAD, STAAD etc., and how computers have revolutionized the civil engineering industry to what it is today, the second most employed sector after agriculture. He also pointed out how covid era had an impact on the cement manufacturing industry, which until then had seen a progressive growth of 8%, plummeting to negative growth. The program was jointly organized by the ASCE student chapter and ACE. It was a great opportunity for the students, interacting with people from Industry and gaining a fresh outlook about what to look forward to as a civil engineer.



RESOURCE PERSON

Mr. Jawahar Saud, Assistant Professor, Department of Civil Engineering, FISAT was the resource person for the event hosted by SWAN-Nature Club of FISAT in association with NDLI Club, as part of the Earth Day 2022 on 29th April 2022. The Talk was titled "Investing in our Planet through Smart Technologies". The session intended to sensitize the participants about the environmental concerns the planet is facing and how developing sustainable and smart technologies goes a long way in creating a better tomorrow.





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(STAFF COORDINATOR)


On 31st May 2022, the Department of Civil Engineering, (FISAT), in association with ASCE Student Chapter, FISAT & ICI Student Chapter organized the 6th edition of Project Expo - AAVISHKAR'22. The AAVISHKAR'22 is an Inter College Project Expo aimed at showcasing the innovative projects developed by students in their Final Year and providing an opportunity for them to demonstrate their learning. Dr. Sheela C (Vice Principal) was joined by Dr. Mini P R (Dean Academics) and Dr. Jiji Antony (Head of the Civil Department), for the opening events. Award categories included best project, innovative project, socially relevant project, industrially relevant project, and best video presentation based on their work and the rating obtained.

Lecture Notes in Civil Engineering

Giuseppe Carlo Marano · A.V. Rahul ·
Jiji Antony · G. Unni Kartha ·
P. E. Kavitha · M. Preethi *Editors*

Proceedings of SECON'22

Structural Engineering and Construction
Management

 Springer

International Conference on Structural Engineering and CONstruction management (SECON'22)



SECON'22, is the Sixth Edition of the Annual Conference and the third International Conference, organised by the Department of Civil Engineering, Federal Institute of Science and Technology (FISAT), Kochi, India. During the conference, which took place from June 1st to 3rd, 2022, the main theme was "Green Technology and Infrastructure Developments," along with ten tracks discussing advancements in various streams of Civil Engineering. With a focus on nature's sustainability and infrastructure development, the conference was intended to provide a platform for researchers to present, discuss, and publish the results of their research. SECON'22 was conducted in a hybrid mode to enable participation from all participants worldwide. Dr. Jiji Antony, HoD Civil & General Convenor, SECON'22 welcomed the audience and Ms. Preethi M, Convenor, SECON'22, elaborated the theme of the conference. The conference was inaugurated by Mr. Shimith P R, Chairman, FISAT and Dr. Manoj George, Principal, FISAT presided over the function the Felicitations were done by Prof. Jaya Kumari V, Professor in Civil Engineering. (Retd), ISTE Kerala Section Managing Committee Member, Er. P A Salahudheen FIE, Chairman, IEI Kochi Local Centre, Dr. Anil Joseph, President, ICI Kochi Chapter, Dr. C Sheela, Vice Principal, FISAT and Dr. Mini P R, Dean, FISAT.

As the convergence of the inaugural session Dr. Unni Kartha G, Joint Convenor SECON'22 proposed the vote of thanks.

The conference was organized in association with Springer publication, ASCE FISAT Chapter

ISTE Kerala Section, ICI Kochi Chapter, IEI Kochi Chapter and Paradigm, Kochi. The conference received immense support from the international advisory committee members from various universities and the national advisory committee members from different institutes and industries. SECON'22, received 415 abstracts that included 6 International papers from 5 Countries and several papers from different prestigious colleges in India like NIT, IIT, VIT etc. A panel of 65 reviewers across the country with eminent research credentials were part of the review process for respective areas of specialization. The selected 100 papers were presented and will be published in Lecture Notes in Civil Engineering, a Scopus indexed publication by Springer Nature.

A total of 5 keynote lectures by eminent personalities from universities around the world and 100 paper presentations in 4 parallel sessions were conducted across these three days. The keynote speakers were:

Prof. Shahria Alam, Professor, Civil Engineering, School of Engineering, The University of British Columbia, Canada

Prof. Alessandro Palermo, Professor in Structural Engineering and Materials, Department of Civil and Natural Resources Engineering, University of Canterbury, Christchurch, New Zealand

Prof. Moncef L. Nehdi, Professor and Chair Department of Civil Engineering, McMaster University, Canada

Dr. MO Kim Hung, Senior Lecturer, Department of Civil Engineering, Faculty of Engineering, University of Malaya, Kuala Lumpur, Malaysia

Dr. Piyush Chaunsali, Assistant Professor, Building Technology and Construction Management Division, Department of Civil Engineering, Indian Institute of Technology, Madras

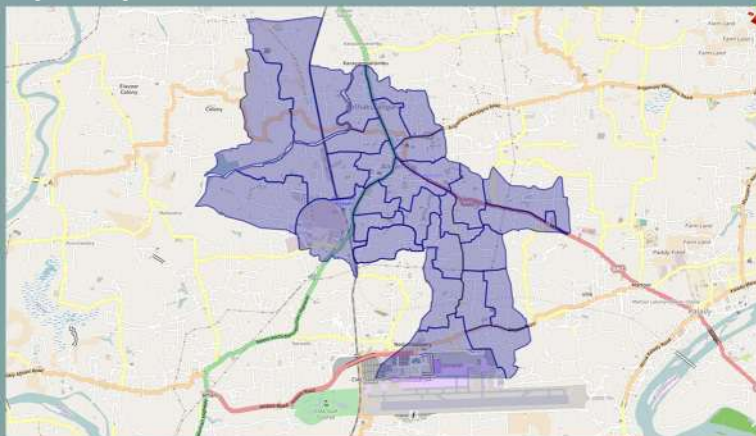
The award for the best paper was given to the authors Ms. Fida A, Mr. Prince Thankachan and Mr. Madhavan Pillai T M for the paper "Optimisation of Artificial Neural Network Using Cuckoo Search Algorithm For Damage Detection" and Ms. Dalvinet K Varghese and Mr. Sreerath S for the paper "Static Investigation of Plants Inspired Bio-Mimic Column Structures".

The organizing committee members did an outstanding job backing the entire process which started months before the conference. The organising committee members were Dr. Jiji Antony (General Convenor, Head of Department, Dept. of Civil Engg.), Ms. Preethi M (Convenor, Assistant Professor), Dr. Unni Kartha G (Co-Convenor, Professor), Dr. Asha Joseph (Program Chair, Associate Professor), Dr. Kavitha P E (Publications Chair, Associate Professor), Mr. Jawahar Saud S (Publicity & Public Relations Chair, Assistant Professor), Ms. Rinu J Achison (Finance Chair & Treasurer, Assistant Professor) and Mr. Sreerath S (Award and Certificate Chair, Assistant Professor). The seamless coordination of the faculty of the Department and student volunteers from B.Tech and M.Tech made the conduct of the conference a success, and participants expressed their appreciation for the smooth conduct.

MAPATHON KERALAM CROWD MAPPING LAUNCH

As part of the Rebuild Kerala initiative post-destructive floods and landslides 2018, it was mandated that the public be provided with up-to-date maps for reaching out to the needy and managing deliveries. A participatory project called Mapathon Kerala aimed at creating a detailed live map of Kerala has been launched by the Kerala Government to address this issue. Kerala State Information Technology Mission (KSITM) and FISAT signed an agreement for Mapathon Kerala on the 8th of September 2021. The college was required to collect required data and map out Angamaly Municipality within the specified time period. The Department of Civil Engineering was assigned this task and started work on 26th November 2021 with groups of students assigned to each ward that come under the Angamaly municipality.

The students visited assigned ward location and marked its boundaries and also the important entities present in the ward such as schools, post office, PHC etc. The mapping process was done in a free and collaborative software tool called 'OpenStreetMap' which enabled the students to edit the map of the municipality and provides a high quality satellite imagery that helps to accelerate the mapping process. All the necessary guidelines were met in regard to this. The project was completed in six working days and 30 ward boundaries were marked. The notable students who actively participated in the on-site mapping for more than two days were Roshan Issac (S5 CE), Sinchan Dutta (S5 CE) & Shemin Majeed(S5 CE). The final project was handed over to KSITM. The students were awarded with a government certificate issued by the Kerala State IT Mission and so the project was concluded successfully. The project was led by Ms. Neeraja Nair, Assistant Professor, Department of Civil Engineering.



SURVEY CAMP

The Internship cell of the Department of Civil Engineering in association with CILL Associates organized a survey camp for the eighth semester B.Tech Civil Engineering students from 15th to 18th March 2022. The main objective of the survey camp was to equip the students with practical knowledge and enable them to take up a real survey using total station. The theoretical knowledge they had acquired through classrooms was put to practice by making them use the instruments and various surveying techniques used in the industry. The 4 days survey camp focused on various works, from the basics to contouring and the generation of topographical map of FISAT campus. The survey camp met its objectives and enhanced their practical knowledge, and encouraged the students to build leadership and teamwork. This was a first of its kind add-on program organized by the Department.



FACULTY - STUDENT INTERACTION FOR THE NEW BATCH



One thing which every engineering student remembers is their first day of college. A day, with mixed feelings - new space, new friends, new teachers, new things to learn and a bag full of dreams and resolutions. The Department of Civil Engineering organized the student faculty interaction programme for the new batch on 21

9.30am in the Department seminar hall. The session was addressed by the Head of Department of Civil Engineering, Dr. Jiji Antony who interacted with the freshers and blessed them with a bright future. Further, the faculty members of the Department of Civil Engineering and students had an interactive session to make the new entrants acquainted with each other. A fun activity was also included as an ice breaker.



Congratulations!

To Ms. Neeraja Nair (Assistant Professor, Department of Civil Engineering) for obtaining KSITM funding for "Mapathon Kerala" and for participation and presentation on "A study on the effect of tank shape on the performance of tuned liquid dampers" at the Second International Conference on Materials, Mechanics & Structures (ICMMS 2022) organised by the Department of Civil Engineering, National Institute of Technology Calicut.





Gayathri S Kumar
Cognizant
Wipro



Saliha C S
Cognizant
Wipro



Divya S
Unschool
Cognizant



Arthika Francis
Byjus
Unschool



Ameesha P Poulouse
TCS
Cognizant



Nanditha M
L&T
Musigma



Theresa Jojo
L&T



Lakshmi Priya
Infosys



Haleema Nusrin O N
TCS

Congratulations!
to our students



Aaromal B
TCS



Vikash K
Sutherland



Lino Soman Cheeran
Sutherland



Muhamed Sahal A A
Sutherland



Kevin K Varghese
Galaxy Home Decor



Bently Biju Koshy
GATE Score: 361
Rank: 12080



Franklin Geo
DGS



Harikrishna Sajeev
DGS



Meenu Rose Mathew
Unschool



Gayathri Sarkar
L&T Energy Hydrocarbon, Mumbai



Liya Mary Denny
M D Esthappan Infrastructures Pvt Ltd
Confident Group, Kochi



Jinu V Rajan
Junior Structural Engineer
Fencon Mazameer Architectural Design LLC, Dubai



Jithin P U
Assistant Professor
METS



Anju Raju
Externa Technology Pack Pvt. Ltd.

Congratulations!

To our students



Aleena Babu
Lera Consultants, Structural &
Foundation Consultants, Kochi



Ruksana A A
Techno Specialist Consulting Engineers
(Kerala) Pvt. Ltd., Irumpanam



Swathy
Hyarch Projects,
Angamaly



Sinu Roy
Mazameer Design and Engineering Studio
Irinjakuda



Nithya Baby
Mazameer Design and Engineering Studio
Irinjakuda

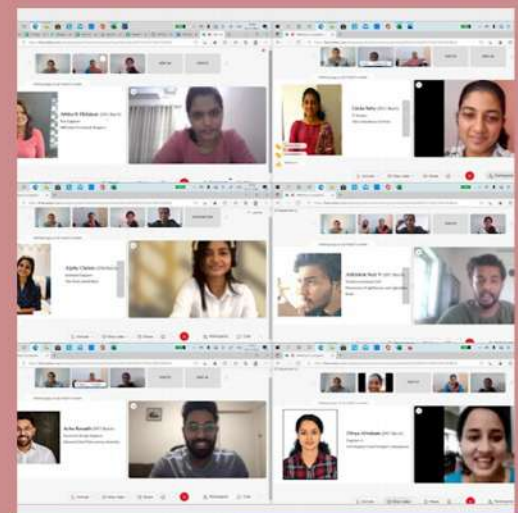
ALUMNI FRESHER INTERACTIONS



The Department organized a two-week online program for the students who took admission to 2021 Batch. The program was designed to give the students an insight into engineering as a whole and also the specifics of Civil Engineering education. As part of this program, an alumni interaction was also organized on 5 to bring together our alumni and make them interact with the freshers, share their experiences, both while on campus and after graduating. Our alumni Ms. Athira Thilakan, Ms. Linda Baby,

Ms. Alphy Christo, Mr. Abhishek Nair, Mr. Achu Konath and Ms. Divya Abraham volunteered to interact with the freshers. Both Athira and Linda are working in the IT field and they shared the experience of shifting from Civil Engineering to IT Domain. Both of them encouraged students to take advantage of the various placement training programs offered by the college. Alphy focused on the various career options available in the Civil Engineering domain after graduation and how to pursue it. She stressed on the importance of acquiring in depth knowledge in the subjects. Abhishek Nair stressed the importance of balancing college life as well as academics and how it can help in building a career. He is presently working in the Directorate of Lighthouses and Lightships. Achu, currently a Structural Design Engineer in Australia, emphasized the

importance of focusing on the core subjects. The last session by Divya Abraham was really inspiring. It was interesting to hear about the challenges and difficulties she had faced when becoming an entrepreneur. She currently owns a design and contracting firm.



ASCE DAY 2021 CELEBRATIONS

5th November marks the foundation of ASCE and this day is celebrated world over by the Civil Engineering community. ASCE Student Chapter, FISAT celebrated this day by inviting ASCE President Dr. Dennis D. Traux to talk about the "Evolution and impact of ASCE throughout history and how to add value to your education through ASCE Student Chapter" (<https://www.asce.org/about-asce/leadership/dennis-d-truax/>). Dr. Traux spoke about how civil engineering infrastructure all over the world needs to be aligned with sustainability goals and requires young engineers to drive the change. Dr. Traux introduced and advised young members to explore the future envisioned by civil professionals (<https://www.futureworldvision.org/>). He emphasized on the importance of young professionals in society and the importance of inculcating leadership. Civil engineering leadership will be needed and we need to be future ready. He concluded by wishing the chapter well and by giving its young leaders the tools for empowering themselves. ASCE Southern Region President Er. Narasimha Chary Poloju and Dr. Jiji Antony, Head of the Department offered felicitations for the session.



ASCE THE NEW STUDENT CHAPTER FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY CABINET MEMBERS

The student election for the ASCE, Student chapter, FISAT was held on 25th March, 2022. The Department wishes all the very best to the new cabinet of ASCE.



Athul Krishna
Recording Secretary



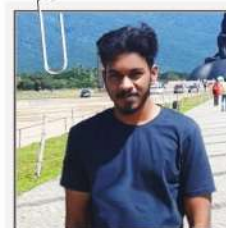
Gokul Ajith
President



Shemin Majeed
Vice President



Catherine Joby
Treasurer



Yadhu Krishna S
Correspondence Secretary

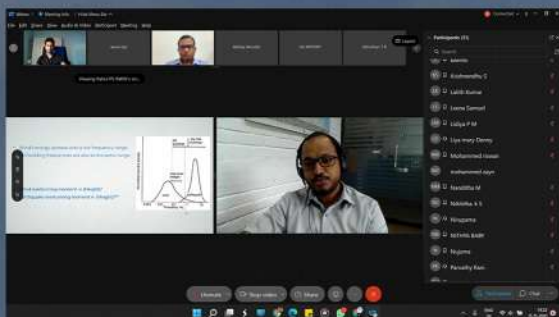


Farheen Rasheed
Chairperson: Publicity, Social Activities and Fundraising



Haleema Nasrin
Chairperson: Community Service and Membership

DESIGN OF STRUCTURES FOR WIND



The Department of Civil engineering in association with ASCE student chapter organised a webinar on "Design of structures for wind" on 11st November 2021. Mr. Rahul P S (<https://www.linkedin.com/in/rahul-p-s-708b13126/>), Director and Technical Head of RWDI India at Thiruvananthapuram (<https://www.rwdi.com>) was the resource person of the session.

Mr. Rahul is a key member of RWDI's wind engineering team and has contributed insight and analysis to some of the most notable projects across the world, including the groundbreaking Hudson Yards development in New York City, and the Vrindavan Chandrodaya Mandir, the world's tallest temple. He is an experienced Wind Engineering Consultant and offers design guidance to architects, structural engineers and developers in the Asia Pacific region and helps to develop cost-effective building designs that are well adapted to local climates. Rahul's session was packed with knowledge pertaining to wind loading, its effects on different types of structures, how to estimate the loading and the challenges involved in the design. Using real examples he demonstrated how geometrical design can influence the wind loading on a structure. He took the participants on a world tour - a tour of all the notable structures across the world which were modelled and tested by RWDI.

WEBINAR ON A Way to Competative Exam



On 2nd March 2022, Futton conducted a webinar on cracking the competitive exam in the field of engineering (especially GATE) on the Webex platform in a webinar jointly organized by team Futton (an educational online platform) and the Department of Civil Engineering, FISAT. Futton is an online education platform that provides

services and courses in cracking major competitive exams.

The students mainly from S7, S5, S3 attended this webinar to gain insight into the lesser known yet important aspect of growth in engineering life. The webinar was led by several eminent and experienced faculty members. The GATE exam is considered as the equivalent to JEE for postgraduates, and the GATE score is a pass to many colleges, universities, and to many government and private jobs. The Futton team came up with a learning solution to help students pass the exam on time without a lot of delay in their careers.

ADD-ON COURSE ON ETABS



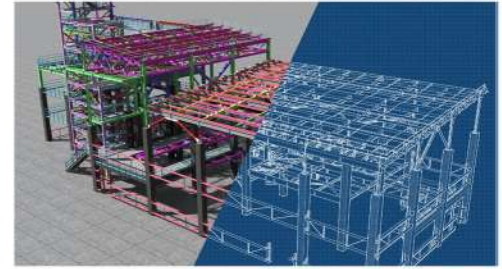
An add on course on “ETABS” was conducted for the second semester M.Tech students from 11st April 2022 to 13th April 2022 in the Department Research lab. The resource person for the sessions was Mr. Berin Joysha, Managing Director, STEDAC, Engineering and Constructions Pvt. Ltd. The objective of the course was to make the students familiar with the various applications of the software which would aid them in their thesis and research works. After an introduction to the software, Mr. Berin gave a live demonstration on how to effectively use the software and the similar data were given to the students attending the session so that the students can also actively take part in the process of learning.

ADD-ON COURSE ON Building Planning- An Architect's View



The Department of Civil Engineering conducted an add-on course on “Building planning - An Architect's view” from 29th April to 30th April 2022 at the Department seminar hall for the second semester students. The resource person for the first session was Ar. Riya Zacharias, Raspberry Design Architects and the second session was led by in-house experts Ms. Rinu J Achison and Ms. Reshma Prasad. The sessions dealt with the 12 principles of residential buildings like aspect, prospect, privacy, grouping, roominess, sanitization, flexibility, circulation, furniture requirements and in the later sessions the Kerala Municipal Building Rules (KMBR) was introduced and basic rules like building space usage, occupancy, ownership, definition for construction related technical terms were explained. The course was coordinated by Ms. Rinu J Achison, Ms. Anu Roy, Ms. Nujuma Nazimudin, Ms. Reshma Prasad and Ms. Sharon Jacob (Assistant Professors, Department of Civil Engineering) and was attended by around 120 students.

ADD-ON COURSE ON Building Information Modeling (BIM)



The Department of Civil Engineering conducted a three-day add-on course on “Building Information Modeling” from 17th May to 19th May 2022 at the Advanced Computing Laboratory. The course led by in-house experts Dr. Asha Joseph, Mr. Abhijith R and Ms. Sowmya V Krishnankutty, was attended by 55 students from the third-year Civil Engineering batch. The main objective of the course was to introduce BIM tools, 3D modeling, and rendering of a residential building, landscaping and creating a schedule. Students were assigned to complete and submit a project – “3D design and modeling of a residential building” at the end of course, which was successfully completed by all students.

ADD-ON COURSE ON 3D Modeling



An add on program on 3D modeling was conducted for the S4 Civil Engineering students. On a regular basis, classes were held every Friday. A 2D modeling session was conducted using AUTOCAD software. A session on 3D modeling using BIM software was also conducted for the students on 1st and 2nd July 2022. A hands-on training session was conducted by experts from SS CADD Internationals for S4 students. A total of 60 students attended the training program.



Theresa Jojo
B.Tech: 9.26
Admission Year: 2018



Sneha Saji Mathew
B.Tech: 9.17
Admission Year: 2018



Koushik P
B.Tech: 9.11
Admission Year: 2018



Sanika V A
B.Tech: 9.51
Admission Year: 2019



Vinaya Happy
B.Tech: 9.35
Admission Year: 2019



Arundathi Sasi
B.Tech: 9.18
Admission Year: 2019



Ritika Raghu
B.Tech: 10.00
Admission Year: 2020



Hana P S
B.Tech: 9.91
Admission Year: 2020



Mereena Biju
B.Tech: 9.78
Admission Year: 2020



Jinu V Rajan
M.Tech: 9.46
Admission Year: 2020



Ruksana A A
M.Tech: 9.29
Admission Year: 2020



Hiba Fazly
M.Tech: 9.22
Admission Year: 2020



Sivathejus S Menon
M.Tech in NITK
Admission Year: 2014



Ajmal P K
KSCSTE Student Funding
M.Tech Admission Year: 2021

Achievement Unlocked



All India Intercollegiate Basketball Tournament
NIT Calicut



All Kerala Intercollegiate Basketball Tournament
Saintgits College of Engineering

BASKETBALL TOURNAMENT WINNERS

The basketball team has won two tournaments back-to-back. First at the state level and followed by a trophy at the National level. The team won the All-Kerala Intercollegiate Basketball Tournament, 2022 held at Saintgits College of Engineering, Kottayam and All India Intercollegiate Basketball Tournament conducted at NIT Calicut as a part of Ragam 2022. The civilian in the team is Adhil M, S4CE and the coach who led the team to victory is the alumni of the Civil Department, Mr. M A Harikrishan of 2020 graduating batch.

IDEA PITCHING COMPETITION



Yadukrishna, Sinchan Dutta and Gokul Ajith from S6CE won the runner up position in the idea pitching competition held at Port Muziris by Marriott Kochi on 12th May 2022. The event, "Rack and Crack" was organised by the department of Civil Engineering of Christ College of Engineering, Iringalakkuda and sponsored by Astrek innovations, Matterlab, ULCCS, QATAR Reliance International Ltd and Ceramic Centre.



Armstech Engineers Private Limited conducted an interactive session in association with the National skill development corporation on April 27, 2022 to make students aware of the free course they provide for toppers of each class. The competitive exam was conducted for the 2018-22 batch on May 19th 2022. Ms. Adhila Babu and Ms. Stilna Stephen were the Prize winners. They were both offered with a free course on Construction Management

WINNERS OF THE FOOTBALL CHAMPIONSHIP



The FSU CUP'22 was officially launched in March 2022 and everyone at FISAT was buoyed by this tournament, and watching the teams play in the lush green field after a long time was an immense pleasure. After a tight competition between the teams, the Civil B batch team came out as the champions and won the cup. Winning this cup was a very proud and happy moment for the Department and an unforgettable one for the final years during their last days of college.

Springer

Architecture, Structures and Construction

Editors-in-Chief: Paulo J.S. Cruz and João Paulo C. Rodrigues

Springer

Ansuya Sureshkumar, Ancy Antu, Fathimathul Hadiya Kabeer, Gouri A L & Dr. Kavitha P E, Published the paper titled "Selection of Optimum Fiber Reinforced Plastic Wrapping for Structural Columns" in the journal Architecture Structures and Construction, Vol. 2, pp. 247-255, SPRINGER.

Dr. Jiji Antony (Professor & HoD)

KSCSTE funding for the topic "Experimental Investigation on Hydrophobic Concrete"



Dr. Unni Kartha G (Professor)

Participated and presented a paper at the Second International Conference on Materials, Mechanics & Structures (ICMMS 2022) organised by the Department of Civil Engineering, National Institute of Technology Calicut.



Dr. Unni Kartha G (Professor)

Obtained fund from KTU for Faculty Development Program on "Construction Industry-Present and Future Trends"



Dr. Asha Joseph (Associate Professor)

Obtained fund from KTU for Faculty Development Program on "Construction Industry-Present and Future Trends"



Dr. Kavitha P E (Associate Professor)

Resource person in AICTE training and learning(ATAL) Academy.



Dr. Kavitha P E (Associate Professor)

KSCSTE funding for the topic "Recycled Plastic Laminate as a sustainable alternative to wooden lightweight flexural element"



BEST CPRIZE SCHOLARSHIP COORDINATOR ZONE 1



FISAT participated in the MechPrize/CPrize scholarship program for the final year engineering students from mechanical and civil departments all over Kerala. Ms. Keerthi Sabu from the Department of Civil Engineering was appreciated for her continuous support and coordination which made the event a success in the institution. As a recognition Ms. Keerthi Sabu was selected as "Best CPrize Scholarship Coordinator - Zone 1" over more than 100 Engineering and Polytechnic colleges in the state of Kerala. She was awarded with a memento by our Honorable Chief guest Mrs. J. Chinchu Rani (Minister for Animal Husbandry, Dairy Development, Milk Co-operatives, Zoos, Veterinary & Animal Sciences University, Govt of Kerala) during the Winners Meet Event held on 14th July 2022, at YMCA Hall Trivandrum.

DEPARTMENT OF CIVIL ENGINEERING

Achievement Unlocked

- 1. Fund for the completed project KSITM Mapathon Kerala ₹50,000 sanctioned on 15-03-2022
- 2. Provided Consultancy in Concrete blocks

Ms Panjami K (Assistant Professor)

Obtained a fund of ₹1,75,000 from APJ KTU Research Seed Money Scheme for the topic "Mapping of soil piping susceptible areas using integrated geophysical approach"



Ms. Rinu J Achison (Assistant Professor-Senior Grade)

KSCSTE funding for the topic "Change Detection of Land Use Land Cover in Puzhakkal river basin"



Mr. Jawahar Saud S (Assistant Professor-Special Grade)

KSCSTE student funding for the topic "Estimating Landslide risk management index in Nilambur Taluk using analytic hierarchy process - A case study, India (Primary Investigator)"



Mr. Jawahar Saud S (Assistant Professor-Special Grade)

KSCSTE funding for the topic "Identification of governance gaps in landslide risk reduction" (Primary Investigator)



Ms. Abhiya Abbas Mundol (Assistant Professor)

KSCSTE funding for the topic "Change Detection of Land Use Land Cover in Puzhakkal river basin"



Mr. Jaison Joseph (Civil Supervisor)

A great artist actively participated in the art exhibition "Rhythm of colours". It was held in David hall art gallery, Fort Kochi from May 1st to May 5th 2022. It was attended by over 50 artists showcasing their creativity.



Publications

from the department

Hrishikesh, P., Unni Kartha, G. (2022). Compressive Strength Prediction with Boundary-Defined Datasets. In: Marano, G.C., Ray Chaudhuri, S., Unni Kartha, G., Kavitha, P.E., Prasad, R., Achison, R.J. (eds) Proceedings of SECON'21. SECON 2021. Lecture Notes in Civil Engineering, vol 171. Springer, Cham.

Thomas, M., Krishnakumar, G. (2022). Behavior of Harp and Perimetral Bracing System in Pre-engineered Building Subjected to Lateral Loads. In: Marano, G.C., Ray Chaudhuri, S., Unni Kartha, G., Kavitha, P.E., Prasad, R., Achison, R.J. (eds) Proceedings of SECON'21. SECON 2021. Lecture Notes in Civil Engineering, vol 171. Springer, Cham.

Sudhakar, G., Prasad, R. (2022). Dynamic and Seismic Evaluation of Curved Cable Stay Bridges. In: Marano, G.C., Ray Chaudhuri, S., Unni Kartha, G., Kavitha, P.E., Prasad, R., Achison, R.J. (eds) Proceedings of SECON'21. SECON 2021. Lecture Notes in Civil Engineering, vol 171. Springer, Cham.

Aravind, K., Krishnan, M., Devassy, M., Tharakan Renjith, N., Rajalakshmi, T.R. (2022). Design of StormWater Management System for the Water Stressed Areas in Palakkad District. In: Kolathayar, S., Mondal, A., Chian, S.C. (eds) Climate Change and Water Security. Lecture Notes in Civil Engineering, vol 178. Springer, Singapore.

George, A., Thomas, C.A. (2022). Experimental Investigation on the Effect of Fly Ash on Plastic Shrinkage Cracking of Self-Compacting Concrete. In: Marano, G.C., Ray Chaudhuri, S., Unni Kartha, G., Kavitha, P.E., Prasad, R., Achison, R.J. (eds) Proceedings of SECON'21. SECON 2021. Lecture Notes in Civil Engineering, vol 171. Springer, Cham.

Jacob, S.A., Alexander, R., Varghese, K., Joy, J., Achison, R.J. (2022). Salinity Mapping of Coastal Aquifers Using GIS and GALDIT. In: Marano, G.C., Ray Chaudhuri, S., Unni Kartha, G., Kavitha, P.E., Prasad, R., Achison, R.J. (eds) Proceedings of SECON'21. SECON 2021. Lecture Notes in Civil Engineering, vol 171. Springer, Cham.

Thomas, N., Saud, S.J. (2022). Disruption of Construction Industry During COVID-19 Pandemic—A Case Study from Ernakulam, Kerala, India. In: Marano, G.C., Ray Chaudhuri, S., Unni Kartha, G., Kavitha, P.E., Prasad, R., Achison, R.J. (eds) Proceedings of SECON'21. SECON 2021. Lecture Notes in Civil Engineering, vol 171. Springer, Cham.

Ranjit, S., Jose, N. (2022). Seismic Performance of Floor Diaphragm Openings in Multi Storey Building. In: Marano, G.C., Ray Chaudhuri, S., Unni Kartha, G., Kavitha, P.E., Prasad, R., Achison, R.J. (eds) Proceedings of SECON'21. SECON 2021. Lecture Notes in Civil Engineering, vol 171. Springer, Cham.

Benoy, S., Joseph, A. (2022). Numerical Investigation and Parametric Analysis of Hybrid Shear Wall with Energy Dissipating Reinforcements. In: Marano, G.C., Ray Chaudhuri, S., Unni Kartha, G., Kavitha, P.E., Prasad, R., Achison, R.J. (eds) Proceedings of SECON'21. SECON 2021. Lecture Notes in Civil Engineering, vol 171. Springer, Cham.

Ajmal, P.K., Saud, S.J. (2022). Estimating Landslide Risk Management Index for Nilambur Taluk, Kerala Using Analytic Hierarchy Process—A Case Study. In: Marano, G.C., Ray Chaudhuri, S., Unni Kartha, G., Kavitha, P.E., Prasad, R., Achison, R.J. (eds) Proceedings of SECON'21. SECON 2021. Lecture Notes in Civil Engineering, vol 171. Springer, Cham.

Anjali, N.Y., Beena, B.R. (2022). Seismic Performance of Multi-storey RC Building with Coupled Shear Walls. In: Marano, G.C., Ray Chaudhuri, S., Unni Kartha, G., Kavitha, P.E., Prasad, R., Achison, R.J. (eds) Proceedings of SECON'21. SECON 2021. Lecture Notes in Civil Engineering, vol 171. Springer, Cham.

Thapasya, P.S., Nair, N. (2022). Study on Seismic Performance of Braced Single Storey Framed Structure Using X-Shaped Pipe Damper. In: Marano, G.C., Ray Chaudhuri, S., Unni Kartha, G., Kavitha, P.E., Prasad, R., Achison, R.J. (eds) Proceedings of SECON'21. SECON 2021. Lecture Notes in Civil Engineering, vol 171. Springer, Cham.

Anandkrishnan, G., Antony, J. (2022). Progressive Collapse Analysis of a Multistoried Building with Flat Slab. In: Marano, G.C., Ray Chaudhuri, S., Unni Kartha, G., Kavitha, P.E., Prasad, R., Achison, R.J. (eds) Proceedings of SECON'21. SECON 2021. Lecture Notes in Civil Engineering, vol 171. Springer, Cham.

Anto, A., Joseph, A. (2022). Seismic Performance Evaluation of Seesaw Braced Energy Dissipation System. In: Marano, G.C., Ray Chaudhuri, S., Unni Kartha, G., Kavitha, P.E., Prasad, R., Achison, R.J. (eds) Proceedings of SECON'21. SECON 2021. Lecture Notes in Civil Engineering, vol 171. Springer, Cham.

Neethu, T.P., Preethi, M. (2022). Performance of Steel Building Equipped with Crescent Shaped Bracing System under Seismic Excitation. In: Marano, G.C., Ray Chaudhuri, S., Unni Kartha, G., Kavitha, P.E., Prasad, R., Achison, R.J. (eds) Proceedings of SECON'21. SECON 2021. Lecture Notes in Civil Engineering, vol 171. Springer, Cham.

Baby, C., Antony, J. (2022). Parametric Study of High Rise Building with Skybridge. In: Marano, G.C., Ray Chaudhuri, S., Unni Kartha, G., Kavitha, P.E., Prasad, R., Achison, R.J. (eds) Proceedings of SECON'21. SECON 2021. Lecture Notes in Civil Engineering, vol 171. Springer, Cham.

Anjana, G.N., Beena, B.R. (2022). Study of Plan Irregularity on Different Seismic Zones. In: Marano, G.C., Ray Chaudhuri, S., Unni Kartha, G., Kavitha, P.E., Prasad, R., Achison, R.J. (eds) Proceedings of SECON'21. SECON 2021. Lecture Notes in Civil Engineering, vol 171. Springer, Cham.

Ayoob, I.M., Kavitha, P.E. (2022). Performance Analysis of CFS Encased Recycled Plastic Laminate Beam. In: Marano, G.C., Ray Chaudhuri, S., Unni Kartha, G., Kavitha, P.E., Prasad, R., Achison, R.J. (eds) Proceedings of SECON'21. SECON 2021. Lecture Notes in Civil Engineering, vol 171. Springer, Cham.

Joseph, A., Kavitha, P.E. (2022). Structural Optimisation of Hyperbolic Paraboloid Shell Foundation. In: Marano, G.C., Ray Chaudhuri, S., Unni Kartha, G., Kavitha, P.E., Prasad, R., Achison, R.J. (eds) Proceedings of SECON'21. SECON 2021. Lecture Notes in Civil Engineering, vol 171. Springer, Cham.

Varghese, H., Kavitha, P.E. (2022). Study on Strengthening of Deteriorated Corrugated Steel Beams Using Post Tensioning. In: Marano, G.C., Ray Chaudhuri, S., Unni Kartha, G., Kavitha, P.E., Prasad, R., Achison, R.J. (eds) Proceedings of SECON'21. SECON 2021. Lecture Notes in Civil Engineering, vol 171. Springer, Cham.

Krishnapriya, V.S., Charles, S.M., Shogu, S., Nithul, T.C., Panjani, K. (2022). Parametric Study of Mechanically Stabilized Earth Wall Using GEO 5. In: Marano, G.C., Ray Chaudhuri, S., Unni Kartha, G., Kavitha, P.E., Prasad, R., Achison, R.J. (eds) Proceedings of SECON'21. SECON 2021. Lecture Notes in Civil Engineering, vol 171. Springer, Cham.

Nair, A.M., Sreerath, S. (2022). Numerical Investigation of Steel Concrete Hybrid Beam. In: Marano, G.C., Ray Chaudhuri, S., Unni Kartha, G., Kavitha, P.E., Prasad, R., Achison, R.J. (eds) Proceedings of SECON'21. SECON 2021. Lecture Notes in Civil Engineering, vol 171. Springer, Cham.

Kuriakose, M., Sreerath, S. (2022). Structural Performance of Splice Connection for Tubular GFRP Section Members. In: Marano, G.C., Ray Chaudhuri, S., Unni Kartha, G., Kavitha, P.E., Prasad, R., Achison, R.J. (eds) Proceedings of SECON'21. SECON 2021. Lecture Notes in Civil Engineering, vol 171. Springer, Cham.

Nair, A.R., Suresh, A., Sajju, A., Sankar, G., Achison, R.J. (2022). Identification of Groundwater Recharge Potential Zones and Groundwater Quality Mapping Using Remote Sensing and GIS. In: Marano, G.C., Ray Chaudhuri, S., Unni Kartha, G., Kavitha, P.E., Prasad, R., Achison, R.J. (eds) Proceedings of SECON'21. SECON 2021. Lecture Notes in Civil Engineering, vol 171. Springer, Cham.

Sudhakar, G., Prasad, R. (2022). Dynamic and Seismic Evaluation of Curved Cable Stay Bridges. In: Marano, G.C., Ray Chaudhuri, S., Unni Kartha, G., Kavitha, P.E., Prasad, R., Achison, R.J. (eds) Proceedings of SECON'21. SECON 2021. Lecture Notes in Civil Engineering, vol 171. Springer, Cham.

Antony, A., Neeraja, N. (2022). Seismic Performance of Modular Steel Braced Building Equipped with BRB Braces. In: Marano, G.C., Ray Chaudhuri, S., Unni Kartha, G., Kavitha, P.E., Prasad, R., Achison, R.J. (eds) Proceedings of SECON'21. SECON 2021. Lecture Notes in Civil Engineering, vol 171. Springer, Cham.

Joy, I., Jose, N. (2022). Strengthening and Compressive Behavior of Composite Multilimbed Light Weight CFS Built-Up Column. In: Marano, G.C., Ray Chaudhuri, S., Unni Kartha, G., Kavitha, P.E., Prasad, R., Achison, R.J. (eds) Proceedings of SECON'21. SECON 2021. Lecture Notes in Civil Engineering, vol 171. Springer, Cham.

Sekharan, N., Kurian, M., Jawahar Saud, S. (2022). Drought Intensity Mapping of Kannur District, Kerala, India. In: Marano, G.C., Ray Chaudhuri, S., Unni Kartha, G., Kavitha, P.E., Prasad, R., Achison, R.J. (eds) Proceedings of SECON'21. SECON 2021. Lecture Notes in Civil Engineering, vol 171. Springer, Cham.

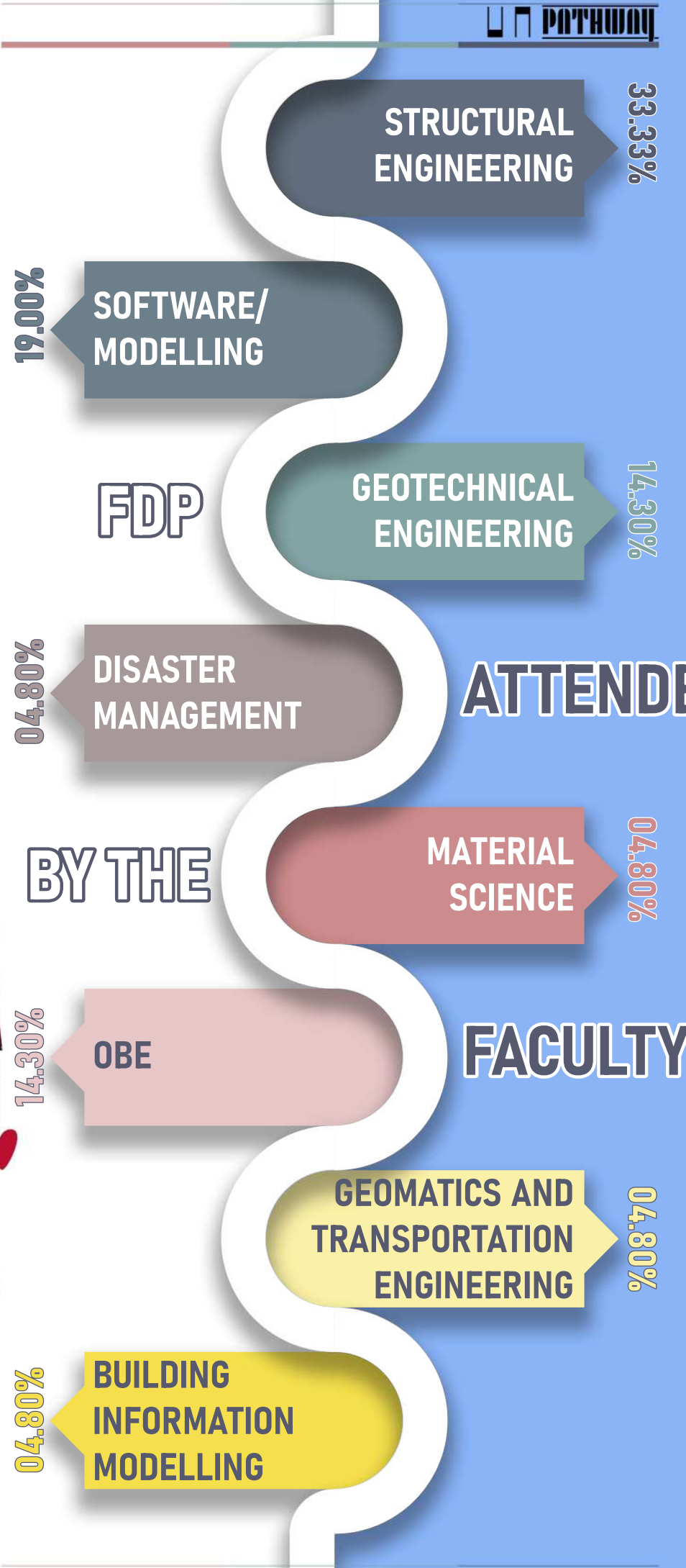
Thomas, M., Krishnakumar, G. (2022). Behavior of Harp and Perimetral Bracing System in Pre-engineered Building Subjected to Lateral Loads. In: Marano, G.C., Ray Chaudhuri, S., Unni Kartha, G., Kavitha, P.E., Prasad, R., Achison, R.J. (eds) Proceedings of SECON'21. SECON 2021. Lecture Notes in Civil Engineering, vol 171. Springer, Cham.

Harikrishnan, S., Akhil Krishnan, A., Jewel, J., Raj, S., Lidiya, P.M. (2022). Investigational Study of the Overtaking Behaviour on an Undivided State Highway. In: Marano, G.C., Ray Chaudhuri, S., Unni Kartha, G., Kavitha, P.E., Prasad, R., Achison, R.J. (eds) Proceedings of SECON'21. SECON 2021. Lecture Notes in Civil Engineering, vol 171. Springer, Cham.

Samuel, L., Shibil, M., Nasser, M., Shabir, N., Davis, N. (2022). Sustainable Planning of Urban Transportation Using PTV VISSIM. In: Marano, G.C., Ray Chaudhuri, S., Unni Kartha, G., Kavitha, P.E., Prasad, R., Achison, R.J. (eds) Proceedings of SECON'21. SECON 2021. Lecture Notes in Civil Engineering, vol 171. Springer, Cham.

MERRY CHRISTMAS

The Department of Civil Engineering held the Christmas celebration on 23rd December 2021, with the third year students hosting it in the Department seminar hall. The day saw outfits of red, white and combinations of both complementing the vibe. The event saw performances from students of all the years ranging from group dance to group song and senior-junior interactions.



INDUSTRIAL VISITS

DANDELI-GOIA
Final year students of B.Tech organized a five day industrial visit to Dandeli-Goa from 17th to 23rd Dec 2022. The students were accompanied by Ms. Preethi M (Assistant Professor-Special Grade, FISAT), Mr. Sreerath S, Ms. Gayathri Krishna Kumar, Mr. Nizamudeen Akbar and Ms. Neeraja Nair (Assistant Professors, FISAT). The first visit to Dandeli took students through amazing water rides and fun. During the visit, the students were able to gain a deeper understanding of coastal processes and geological formations in Goa.

DALMIA CEMENT LTD.-TIRUCHIRAPPALLI
The second semester B.Tech students organized a two day industrial visit to Dalmia Cement Ltd., Tiruchirappalli from 07th May to 08th May 2022. The students were accompanied by Ms. Beena B R (Assistant Professor-Special Grade, FISAT), Mr. Sreerath S and Ms. Gayathri Krishna Kumar (Assistant Professors, FISAT). A number of people working in the Dalmia were also present, including Sreejith Nair J, Bilton Bush A, and Kannan Pradeep. The senior chief engineers of the plant gave an insight into what Cement is, how it is made, what all are its raw materials etc. After that, the students were instructed to watch the paint and a detailed explanation of every step was provided. Students on the engineering field trip gained insight into engineering processes and forged relationships with other students within their majors with the goal of building student support networks. These purposes were therefore furthered by a variety of activities each day.

NEPTUNE READY MIX PLANT-ALUVA
Final year students of M.Tech in Structural Engineering and Construction Management organized a two-day industrial visit to Neptune Ready Mix plant, Kochi, and Varkala Cliff from 17 June 2022 to 18 June 2022. The students were accompanied by Dr. Asha Joseph, (Associate Professor, FISAT), and Mr. Abhijith R (Assistant Professor, FISAT). The learning outcomes from the site visit were to understand the preparation of ready-mix concrete, its properties, and the different tests performed for testing the strength of concrete. The visit also provided an opportunity for the students to understand coastal processes and geological formations along the coastline of southern Kerala.

C



The third edition of Civil House was hosted on 18th September 2021 at 4:00pm. Ms. Gouri C T, 2012-2016 batch was the guest of honor. Ms. Gouri is currently working as Senior Associate - Strategic Consulting CBRE South Asia Pvt. Ltd. She had completed her Masters from NICMAR, Pune, after completing B.Tech from FISAT. Ms. Gouri shared her journey on how she entered in Industry and one of key points Gouri initially mentioned was about Identifying that one subject you like the most and focusing on it. She also focused on the importance of understanding the industry and the different opportunities. She spoke in detail about Contracting and Consulting, the differences and the types of job profiles in those. The importance of doing internships was also stressed by Ms. Gouri.

V



The fourth edition of Civil House was held on 9th October 2021 at 4:00pm. Ms. Alphy Christo Thomas of 2014-2018 batch was the guest for the event. She is currently working as Assistant Engineer, TATA Steels Ltd at Jamshedpur. Ms. Alphy shared her vivid experience during the training which she had undergone at TATA steel and stressed on the importance of preparing for the entry test and interviews. She emphasized that everyone should research the different options available for future studies and should always connect with professionals, create a network using websites like LinkedIn and explore the various options before taking decisions about career and higher studies.

H



Mr. Akshaye Salil Kumar of 2013-2017 batch was the guest for the fifth session in the series Civil House. Akshaye is currently working in Australia as Junior Project Manager. He started off the session by sharing the experience of working in a construction industry after graduating from FISAT. He stressed on the reasons for doing a detailed research before finalizing on what to study and which university to choose from. His one-hour presentation covered every element of acquiring an admission, including picking the course, finding part-time work, landing a job, handling the price, and obtaining a PR. He patiently answered the queries posed by the students.

O

U

S

E



Series 2 of "Civil House", started on 11th December 2021 with Mr. Abhishek Nair V of 2013 batch as the speaker for the session. He is currently working in the Directorate of Lighthouses and Lightships, Cochin as an Engineer. Abhishek started his session by talking about his career path and how he obtained the job he is currently in. He urged the participants to continuously look for job opportunities which are published in the employment news both in private as well as public sector and also websites of big construction and consulting companies. He also updated about the opportunities in defense and how to apply for it. Abhishek patiently replied to the queries posed by the students and gave suggestions about the subjects that one can concentrate on, how to prepare and apply for jobs.

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10.00 AM
00

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In a spectacular event held on 8th January 2022, the farewell for the 2018-21 batch was held in the south quadrangle at 6.30pm. It was intended to compensate all the missed moments with one memorable event, and it was a long-awaited party filled with glitz, glamour, and noise. It was a great evening filled with dancing, music, and DJ. The invited batch, faculty members and juniors shared a great time together.

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FAREWELL OF THE PASSING OUT BTECH and MTECH BATCH

The farewell party for the B.Tech Civil Engineering batch of 2018-22 and M.Tech Structural Engineering and Construction Management batch of 2020-2022 was celebrated on 12th July 2022. The B.Tech farewell party was held in the Main Seminar hall and the M.Tech, in the Department Seminar hall. The Young engineers looked great in full glamour to celebrate the day. Fun and friendship filled the day as everyone shared their FISAT experiences and lives. Another batch of engineers are graduating, and the department wishes them all the best.

