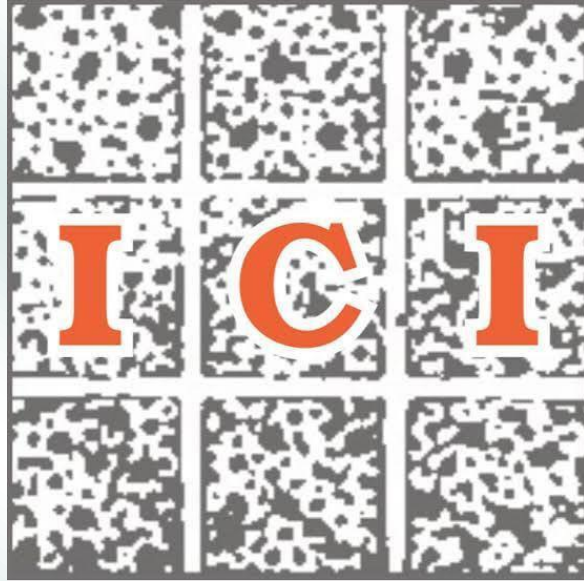




ICI CET
STUDENTS CHAPTER
ANNUAL REPORT 2022-23

ICI CET CHAPTER

Indian Concrete Institute Student Chapter CET, has always had our reputation in the entire college as one of the most promising student communities. From its date of inception, ICI has played an unavoidable role in each civil engineering student passing from CET. Equipping us with the tools we require, qualities we lack and making us prepared for the world out there, ICI CET shapes the civil engineer in us. The team is led by a group of dedicated individuals, stirring the innovative thoughts of students into action.

The ICI chapter in CET organizes various notable events throughout the year, aiming to bridge the gap between books and the field for the students. The chapter has bagged various prestigious awards including the Best Student Chapter award by The Ultra Tech Group, ICI Annual Awards 2018 etc.

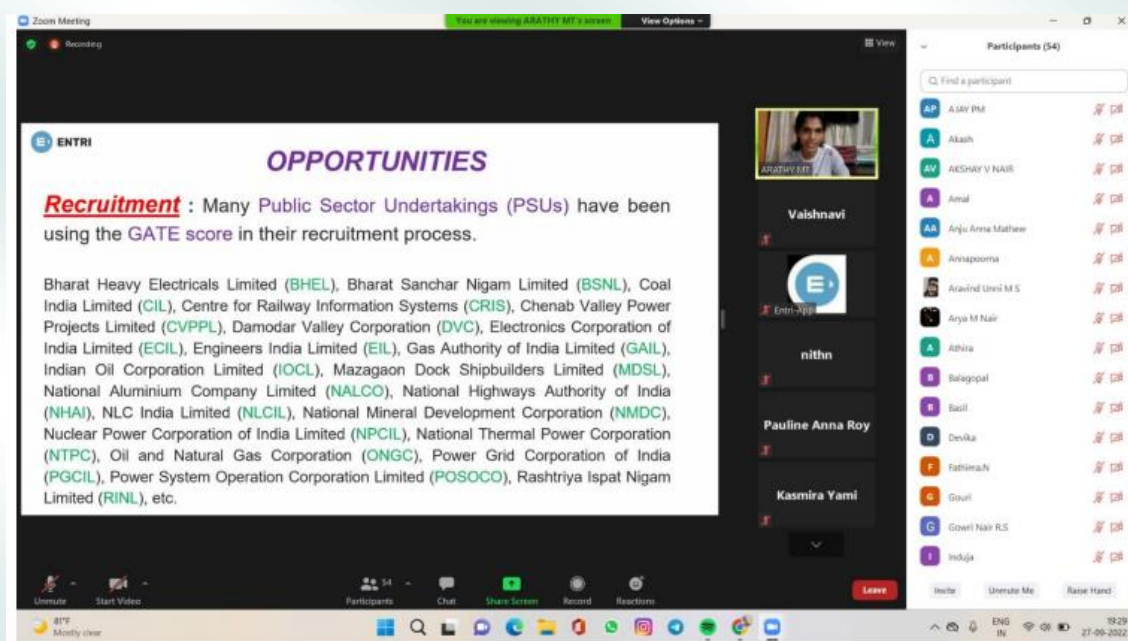
OVERVIEW

ICI CET Chapter has conducted many events in the year 2022-23 both offline and online which have been informative and useful for the students. This includes; Technical talk career guidance, Pursuit, Damn facts, Field trip, Festoon2.0, Project on bathroom renovation, Placement interactive session and Pantheon.

TECHNICAL TALK CAREER GUIDANCE

‘Technical Talk Team’,

ICI CET organized an online interactive session with Prof. Arathi M, academic strategist at ENTRTI with 6 plus years of experience. The online interactive session was conducted on September 27, 2022 from 7pm to 8pm. The session was arranged by Technical Talk Team and was held on zoom platform and this session kick started this year’s ICI activities. Arathi M shared the details regarding GATE 2023 and discussed the syllabus of GATE 2023 CE elaborately. She discussed the different ways to crack GATE 2023 and the benefits of qualifying GATE exam. She shared the information regarding several Public Sector Undertakings (PSUs) that used GATE score to shortlist the candidates for employment. Students also participated actively in the session and interacted with a bunch of curious questions. All the questions were welcomed and answered well by Prof. Arathi M. The speech was so inspiring and encouraging. A representative from ICI CET chapter concluded the session. It was an informative session for all the GATE aspirants



PURSUIT – A CAREER AFTER CIVIL ENGINEERING REPORT

Technical Talk Team, ICI CET, organized an event named PURSUIT – A CAREER AFTER CIVIL ENGINEERING on 27th October 2022 from 4pm to 5pm. It was an inspiring talk session of Gokul Ramanan, The Assistant Professor of Civilianz Trivandrum. The event was held at Civil Seminar Hall 1. A representative of Technical Talk Team, ICI CET welcomed the speaker. Professor Gokul Ramanan explained the abundant and diverse options after civil engineering. It was an interactive session. More than 50 students attended the session. Gifts were given to those students who answered the questions asked by the professor. He explained all the career opportunities and how to go about them in a reliable way which helped the students to boost their confidence. Students also interacted to the speaker with a bunch of curious questions. The civilianz provided notepads and pens to the students at the end of the session. A representative of ICI CET concluded the session.



DAMN FACTS ICI CET FACTS

The technical team of ICI CET unit posts civil engineering related facts through the official Instagram page of ICI CET unit on a weekly basis. This includes numerous interesting facts and news related to the civil engineering marvels constructed all over the world. The facts uploaded in the ICI CET Instagram page during the year 2022-23 are:

- THE CAPITAL GATE
- SYDNEY HARBOUR BRIDGE
- ATAL TUNNEL, ROHTANG
- HOOVER DAM
- CHENAB RAIL BRIDGE

ICI FIELD TRIP

ICI conducted a field trip to Aruvikkara water treatment plant and Muttathara waste water treatment plant on 25 February 2023. A total of 104 students participated in the field trip. Students were accompanied by two faculties, Prof Biju V and Prof Shalu R F. College buses were made available for travel. We left the college at 10 am and reached the Aruvikkara water treatment plant in about 45 minutes. One of the faculty there, gave us a brief description about the water treatment plant. The Aruvikkara water treatment plant has three units of 50 MLD, 75 MLD, 86 MLD capacity. We were split into two batches in order to be able to explain conveniently. We mainly focused on the 75 MLD unit. 75 MLD unit was built under the AMRUT mission. It plays a very vital role in boosting the supply of drinking water to people of Thiruvananthapuram and helps avoid disruption of drinking water supply. The water is pumped to the plant from the Aruvikkara dam via the pump house. The water first goes to the aerator. This is to let the water come in contact to air and atmosphere. After the aerator the mixture of alum and lime is added to the water. This mixture carefully prepared in the solution room. After checking the pH and turbidity of water and ensuring that they are in the correct levels, the water is let to flow to the flash mixer where it is thoroughly mixed. From the mixer the water travels to the flocculator, where the coarser sediments settle down. Then the water travels to the clarifier (laminar sheet type) where the fine sediments also settle down. The water then, through a channel passes to filter beds. There are a total of 12 filter beds (twin bed). More finer particles are filtered here. We were also shown how the beds are washed mechanically. The entire process is controlled by a system. That is, this entire unit is automatic. The final process of filtration is chlorination. This is the step where harmful bacteria are removed from the water. After this the water is distributed domestic use. After getting out of the 75 MLD unit we decided to have our food. After lunch a we were taken to the 50 MLD unit. The 50 MLD unit is more of a conventional unit. In this the alum, lime and chlorine are added in the initial stage. The chlorine added is not for purification but to reduce the growth of algae in the water. Lime is added to maintain the Ph. It is thoroughly mixed from there itself. This step takes place in the Clariflocculator. The water then goes to pulsator where the sludge is removed. Then the water is filtered and then pumped to a tank for chlorination. Chlorine is overdosed so that it will be sufficient to kill the bacteria that maybe present in the distribution pipes. The faculties were very efficient in making us understand the process.

The next destination of the field trip was Muttathara waste water treatment plant. Muttathara waste water treatment plant is of a capacity of 104 MLD. The sewage all over from the city is brought to the plant and collected in the collection well. It is then fed into the inlet chamber which has two 25 mm mechanical screen bars which removes floating wastes. These wastes are collected and disposed together. The water then moves to grit chamber where by means of scraper mechanism silts are removed. This silt once cleared of pathogens can be used for landscape purposes. The water from grit chamber then flows to the aeration tank where oxygen is supplied to the already present bacteria. These bacteria breakdown the organic matter for their growth and forms into a sludge which settles. From here the water flows to the clarifier where sedimentation occurs. The water is then passed to chlorine tank for filtration, where 5 PPM of chlorine is added. Now this water can be used for non-domestic purposes. The purified water is fed to the Parvathy Puthanaar canals.

They screened an informative video about waste water treatment for us before taking us to the structures and explaining each process. The field trip reached its graceful ending with a final visit to the Kovalam Beach and got back to the college by 08:00 pm. The trip turned out to be a memorable one with a lot of insight, information and fun.



ICI FESTOON 2.0

ICI CET CHAPTER conducted FESTOON 2.0 as a part of the orientation planned for the first year students of the Civil Department. The program was held on 24th and 25th of March 2023. Our aim was to familiarize students about ICI CET as well as to provide them an opportunity of exposure and medium to gain Technical and Non technical knowledge. • 24th March: The first event , “Treasure hunt “ was held on the evening of 24th from 4:30 pm. A total of 9 teams , each of 4 members had registered for the event and we witnessed active participation from all 36 participants. • 25th March : The events that were scheduled to be conducted on 25th of March were

1. Adzap- Each team will be given a topic on the spot and they were given a preparatory time of 15 mins after which they have to present a convincing ad that sells the product.

2. Debate – Every two teams would be given a topic to debate over and after 10 mins they would switch sides ,ie; the opposing teams would take each others stance after a round of debate of 15 mins. The tournament proceeds on a Knockout basis and the judges decide the winner on the basis of criteria (i.e; , Group participation, Clarity of points spoken, Validity of points spoken). 2.

3. Bio- Mimicry – This event is an Idea pitching competition based on the concept of “ Bio Mimicry”. A more technical event compared to the rest of the events yet we saw good participation from the students.** A total of 4 teams of 4 students each , reported on 25th morning from 9:30 am to 10:00 am. The event was conducted in Seminar hall 1 of the Main block of our Civil engineering Department. Since 25th was a Saturday ICI CET took prior permission to conduct the event here. Each teams were numbered as 1 ,2 , 3 and 4 for convenience of the judges .

The events Adzap and Debate were under the category of “ Non technical – Group event”. The winners of this category was decided on the basis of who got the higher points according to the guidelines . The guidelines of Festoon 2.0 are given below, Bio mimicry was initially planned to be a group event , but due to request from majority of the participants it was made into a “ Technical- Group Event”.

- Prize pool: The prize pool for “ Non technical-Group events “ was decided to be 1500 rupees and the prize pool for Bio- Mimicry was decided to be 500 rupees. The

judges of the event were Mr. Amal J (General Secretary of ICI CET), Ms. Jinsa (Treasurer of ICI CET), Mr. S Balagopal (Joint Secretary of ICI CET). The event ended with the results being declared by our judges . Festoon 2.0 turned out to be a memory that gave us experience ,knowledge as well as wonderful bonds that one would cherish for a lifetime.



ICI PROJECT ON BATHROOM RENOVATION

ICI conducted a project on bathroom renovation at College of Engineering Trivandrum from 4th January to 12th January. This project was a major initiative idea by ICI to bring students into an almost work environment. A total of 78 students participated in the workshop. Students were divided into 6 groups. Students were from second year and third year of B-Tech. Each group were assigned for certain departments. The aim was to get the current plan of bathrooms. Using EDM and tape measurement of each bathroom were taken and they were drawn into a rough sketch. Then later they were drawn into AUTOCAD drawings. EDM and tape used for measurements.

The work was completed very efficiently. The students maintained a level of professionalism for the project



PLACEMENT INTERACTIVE SESSION

ICI CET STUDENT CHAPTER organised an interactive session with placement holders of civil engineering department on 25th of April 2023. The event was held from 3pm onwards at the Department. The hour long session was carried out with Rinshy T P (placed at Deloitte), Sneha S B (placed at Accenture, L&T and Cognizant) and Sreehari S (placed at L&T), all three of them are currently fourth year students. The session started off with a brief introduction from the placement holders followed by a Q&A session by the host which comprised of questions which were collected from the students. Furthermore, audience were given the platform to ask any queries directly to the placement holders. The session was attended by students from all years of the department, though it was aimed primarily for third year students as they would start placement process soon. It was an extensively useful session for the attendees as all their doubts and queries were clarified. The session gave a clear-cut idea on core and non-core job placements and the preparatory strategies that could be helpful in achieving placements. Lastly the session was concluded with a vote of thanks by the host on behalf of ICI CET



PANTHEON 8.0

The eighth edition of annual tech-fest of the civil department, Pantheon hailed in all its glory on 18th and 19th of November 2022. Pantheon 8.0 comprised of everything that will facilitate young aspiring civil engineers in pursuing their dream career. From events to workshops, expos to talk sessions, paper presentations and quizzes, students from across various parts of Kerala actively participated in Pantheon 8.0 resulting in 1200+ registrations and a footfall of over 4000. This Pantheon introduced an exclusive set of events just for school students namely, “Pantheon for juniors”. The exhibition of survey instruments aroused curiosity, as most highly advanced devices were on display for the very first time. This pantheon had something for everybody; from online photography competition to hands-on field workshops and survey competitions, from photoshop workshop to excel sheet workshop. Mx Pantheon, the flagship event, persona competition of Pantheon was introduced in this eighth edition and the responses were amazing. We have had stalls for refreshment and an informal section, keeping the crowd as lively as possible. The highlight of the night was Pantheon night, where most prominent artists of our college had the podium to showcase their talents. The passionate youngsters were fuel that ignited the flames of creativity and innovation which burned through limitations and shine as a beacon for all those yet to come.

INAGURAL CEREMONY

The inauguration of Pantheon 8.0 was held on 18th November at Seminar Hall 1. Amal J, secretary of ICI CET Chapter cordially welcomed everyone on behalf of ICI. Head of the Department, Dr. Anil R graced us with his presidential address and the event was flagged off by our Principal Dr. Suresh Kumar V. The auspicious session was further blessed with the presence of dignitaries Dr. Abdul Nizar M UG Dean, Dr. Jaya V PG Professor, Dr Beena PR ICI CET Staff coordinator, Prof. Biju V ICI CET Staff coordinator. Pantheon officially began just as Sachin K Joseph, the convenor of Pantheon conveyed the vote of thanks

EVENTS

This year ICI CET kick started Pantheon 8.0 with 11 events which was held on the 18th and 19th of November 2022.

The events started off with its flagship event for the first time, Mx. PANTHEON which consisted of multiple rounds both online and offline, testing the various aspects of engineering to pick out the best engineer. Furthermore, an inter-college Expo, paper presentation- Trouvaille, Photography competition- Focus, model making- Creatrix, surveying competition- Stakeout were also conducted gracefully. Few events were also organized jointly with various clubs of CET; Matrix- Quiz in collaboration with Mathlets and Autoclash- Autocad competition with ASCE. In addition to these, this year new events were introduced such as the football manager competition, shake table competition and technical talk session on retrofitting on RCC structures. The list doesn't stop there, the highlight of this year's Pantheon was the introduction of Pantheon for Juniors which helps provide school students an exposure into a technical fest and two events; Nirmana- the expo and maths quiz was conducted exclusively for them.

MX PANTHEON: FLAGSHIP EVENT

The flagship event of Pantheon 8.0, MX PANTHEON was organised with a vision to find out the best civil engineer in the state. Over 103 participants took part in the event. The technical knowledge and skills of these participants were tested in various rounds. It is believed that character and personality determine destiny. With this in mind, along with testing an individual's technical knowledge, their personality and practical application was put into test.

The preliminary rounds checking the aptitude and technical knowledge, were conducted online and the finals were held on both the days of Pantheon, 18th and 19th of November. This was followed by a Treasure Hunt and Perspective drawing competition. Report submission was another criterion that was used to analyse their knowledge, vision and creative thinking. 6 students were taken into the final round and a persona was organised for them.

The event was coordinated by Parvathi Krishnan, Niranjana and Fahad Nissar Mohammed. The judges for the persona round were Mr R Geethakrishnan, Prof Biju V and Prof Arun S. The title winner for the event was Vishnu Nandan S and the

runner up was Vishnu Hari. The title winner was awarded with prizes worth Rs 12,000 and the runner up was awarded with prizes worth Rs 3000.

STAKE-OUT

Stakeout was the survey competition event of Pantheon 8.0. The competition was a team event of minimum 2 members and maximum 3 members in a team. The main objective of the event was to find students who have talent in the field of surveying. Both theoretical as well as practical knowledge of students were tested in the event. The event comprised of two sessions: quiz and field surveying. Registration fee for the event was 250 rupees per team. Prizes worth 10000 were awarded.

For the first round, participants were given a set of 50 multiple choice questions on surveying. In the final round the teams were asked to find the distance between two inaccessible points using theodolite instrument within the given time. The judging criteria was based on calculations and accuracy made by the participants.

The event was conducted on 19th November Saturday. A total of 23 teams of 3 members each attempted the aptitude test. 6 teams were shortlisted after the preliminary round. The 2nd round was from 12pm to 1pm. All the teams submitted their results within the time limit.

The first prize was bagged by Ajay M S, Aiswarya Murali and Hashim K P. The second prize was secured by Praveen Kumar K V, Alan Lawrence and Jerry Isaac K. The third prize was pursued by Arjun Sandeep, Abhirami Vijayan S and Dilshan P.

SHAKE TABLE

It may take hours or days to construct but only a few seconds to destroy it. This is exactly the case of earthquakes and buildings. Pantheon 8.0 conducted the SHAKE TABLE COMPETITION on 18th of November 2022 at the structural dynamics lab. Shake table test is a widely used technique to assess the seismic performance of structures by use of shake tables.

The event consisted of a single round and was a team event. Each team consisted of a maximum of two members. Participants were asked to construct a building model using icecream sticks and the model which withstood maximum shaking after testing on the shake table was declared the winner. The judging criteria included aesthetics,

number of popsicles used, failure, oscillation etc. The event witnessed the participation of 17 teams. First prize was bagged by Gouri Ashok. Second was shared between Shyam and Thejas, and third prize was given to Abhinand and Swathy.

CREATRIX

Creatrix, the model making competition comprised of two levels. First round was a technical quiz of 30 questions and the second round was a model making round. Participants were asked to make a model of a cafe with the given site plan details. Forex board, card sheet, cardboard, flex kwik, bamboo skewers, steel wire, OHP sheet were provided to the participants. Judging criteria was based on creativity, design and scale and proportion.

The event was conducted on 18th November 2022. The first round was from 10.15 am to 10.45 am and the 2nd round was from 12.30 pm to 3.30 pm. In total 7 groups having 2 to 3 members participated, out of which, 4 groups were selected to the final round. In the 2nd round, models were analysed based on the judging criteria.

First prize worth 5k was secured by Afzana Bafakki A and Amal Samad, Bishop Jerome School of Architecture and Design, Kollam. Second prize worth 3k was secured by Devika L Nair, Naziya Beevi N and Sreelekha V, Bishop Jerome School of Architecture and Design, Kollam.

FOCUS- Online Photography Competition

Focus, the online photography contest started on the 1st November and was held through Instagram. The theme provided was 'PERSPECTIVE'. The contest had a total prize pool of 3,000 which was divided among the selected two winners as 2000 and 1000 for first and second respectively. The entries were accepted till 17th of November. A google drive link was given for the participants to submit their entries, where they have to send a jpeg file of their photograph along with details such as name, college, branch of study, phone number and their Instagram ID. A total of 48 entries were received from different colleges in Kerala. Home participation was open as well. The entries were posted on Pantheon's Instagram handle, where they were judged based on photography aspects, creativity as well as the likes and comments the respective photos received. Vishnunandan, The Chairman of CET Shutterbugs was the judge of the contest and the results were

declared on 21st November through the Pantheon Instagram page and the respective cash prizes were given through Google Pay.

The winners were Neha VK of CET and Adwaith RB of Vidya college Kilimanoor.

FOOTBALL MANAGER

Football manager was a quiz competition comprising 4 levels. The first level was a written quiz round which consisted of 20 questions. The second level was a picture based quiz in which 10 questions were asked.

A total of 16 teams, each consisting of maximum 3 members, had registered. The event was held on 19th November 2022. The competition started at 10:30, followed by the second level up to 12:30 pm. Third level began at 2:00 pm followed by fourth level for two and half hours. The winners were announced by the end of the fourth round.

A total of 6 teams were selected based on the first two rounds for the third level called 'Scouting', which was a paper and pen test. Final round consisted of a group discussion where participants and judges actively interacted with each other.

Certificates and cash prize worth Rs 2500 for winner, Rs 2000 for first runner up and Rs 1250 for the second runner up were awarded. Sahaf Hussain of GEC Thrissur won the competition. Sherug John, Joel Itty, Sreerag K V of CET at second position and Jonahs George, Anumodh M, Arvind S of CET at third position.

COLISEUM

Coliseum was a quiz competition held on 18th November 2022. Comprising two levels, the event began at 1.00pm with the preliminary round. The first level was an elimination round which was a test consisting of 20 questions. The second level consisted of 6 rounds. A total of 24 teams registered with a maximum of 3 members and after the first level, top 6 teams were selected for the second level. The second level started by 1.45 pm and was for 2 hours. The winners were announced by the end of the second round. Certificate and cash prize of Rs. 3000 for the winner, Rs. 1500 for the first runner up and Rs. 500 for the second runner up were awarded. Madhavan Mohan K and Javed Hamdan of CET were the winners. They were followed by Akash S B, Sreenand Ramesh, Sachu Sanam of CET at second position and Anugraha Susheel, Aishwarya Sunil at third position.

TROUVAILLE

Trouvaille, the paper presentation event of Pantheon 8.0 was intended to enhance students' professional skills through communicating their research ideas through PowerPoint presentations. The first round of the event was held on 15th November 2022 through an online quiz competition. 10 out of 37 participants were qualified from the first round and were assigned with different topics to be presented. The second lap was held on the second day of Pantheon, 19th November at CE3 214 seminar hall from 12 pm to 4 pm. Astounding presentations were prepared and presented by the participants. The winners were declared at the end of the event and cash prizes were distributed at the closing ceremony.

First prize was secured by Goutam and Joswin, Second Prize by Jija and Aswathy and Third Prize by Lincy and Parvathy.

EXPO

The Expo is an organised presentation and display of a selection of items to showcase the creativity and technical prowess of the individuals to the public. The Pantheon expo was held on 18th and 19th November. The competition was held among 16 teams each of 4 members. A total of 64 participants took part in this event. Students from technical school witnessed the event and colleges from various parts of Kerala were a part of this event. The judging panel consisted of Dr. Ajitha AR and Dr. Swarnalatha K, our own faculties. The expo was held in the classrooms of the department from 9.00am to 4.00pm. The maximum durations of the presentation and discussion were 10 and 15 minutes. Each team presented their topics uniquely and exhibited their technical skills to the judges. The winners were declared on the basis of their technical knowledge, communication skills, quality of presentation, performance and quality of the item presented. The event was well organised and witnessed good quality participation.

In addition to the Expo, an exhibition was also arranged for the crowd. This included a variety of advanced survey instruments, which were on public display for the first time. Different kinds of soil strata, as well as the layering of pavements were displayed. Some of the models made by students were also on display.

The Expo and the exhibition proved to be informative for all those witnessed.

MATRIX 2.0

Matrix 2.0 was a maths quiz program conducted by MATHELETS official mathematics club of CET, in association with PANTHEON. It was exclusively conducted for CETians. A team of about 2 were allowed to participate. Over 60 teams registered and participated in this competition.

First round was MCQ type and only 16 teams were selected for the next round. The quiz started from 1:30 in afternoon. The shortlisted 16 teams are allowed to participate in round two which is a buzzer round. No negative marks were awarded for wrong response and 10 points for correct response. Out of these 16 teams 6 teams were shortlisted and allowed to participate in the final round. Winners were awarded at the closing ceremony of PANTHEON.

AUTOCLASH

It was preposterous to conduct the 8th edition of PANTHEON without including an AutoCAD workshop. Pantheon 8.0 in association with ASCE CET conducted AUTOCLASH on 19th November 2022-a previously never before attempted event. The event had 20 teams with 60 people total participating in the event.

The competition was completed in two sessions. The morning session was allotted for surveying and the afternoon session for Autocad drawing. The participants were given a section of a building and asked to take the necessary dimensions to draw a plan, using a measuring tape. Accurate line sketches were drawn by the participants to use in the second half of the competition. The afternoon session dealt with the drawing of the plan using AutoCad 2D software. The judging criteria was based on the creativity and technical skills of the participants in Autocad, as well as the accuracy of the dimensions taken, and were given a higher priority for relative ranking of the submitted plans.

The winners were announced by the end of the session. Winners were awarded with ICI approved certificates, worth many KTU activity points and prize money worth 3k. The winners were announced in the closing ceremony of the event. The 1st prize was 2000 rupees and was awarded to Arjun Sankar S, Sandeep S and Vishnu M. The second prize, worth 1500 rupees, was shared by two teams- Akshay MP, Kailas L& Ansal N and Nanadaja J N, Drisya Praseed & Aparna Babu.

WORKSHOPS

This year ICI CET launched Pantheon 8.0 with 9 workshops covering various technical areas of civil engineering as well as basic skills required to excel in today's world. The workshops consisted of; BUILD U- a hands on field workshop on basics that every civil engineer must know of, Mix Design and Total Station workshop which focused on bringing up the practical skills, Staad Pro and Sktechup which helped bring out the designer in you. Along with these, Excel and Photoshop workshops were introduced for all as these skills are of ultimate use in almost all fields. Photoshop workshop was headed by ICI Design head Jagath. Also, Décor master workshop was conducted in collaboration with SSA of the architectural department of CET and a session was held by Investor CET with WEB4 Kerala and Phoenix Guild.

The registrations for workshops reached a peak before hand and registrations for most of the workshops were closed down prior to the commence of Pantheon 8.0

BUILD-U CON-STRUCT

The BUILD-U workshop was a hands-on field workshop conducted as part of Pantheon 8.0. The workshop was organised and handled by BUILD-U. The workshop was conducted on the second day of Pantheon with 75 active participants. The BUILD-U workshop was a hands-on field workshop conducted as part of Pantheon 8.0. The workshop was organised and handled by BUILD-U. The workshop was conducted on the second day of Pantheon with 75 active participants. The event was conducted on CE1 block 202 and the field activity was carried out in front of CE1 block of the Civil Engineering Department. The workshop went smoothly with the collective effort of coordinators, sub coordinators and volunteers. Participants were taught about the basics of making bridge, dome shaped structure, stirrups, reinforcement detailing of isolated footing, pre tensioning and post tensioning and its applications. The workshop turned out to be the most practical lessons in the educational life of aspiring civil engineers.

The Workshop was conducted on CE1 block 202 and the field activity was carried out in front of CE1 block of the Civil Engineering Department. The workshop went smoothly with the collective effort of coordinators, sub coordinators and volunteers. Participants were taught about the basics of making bridge, dome shaped structure, stirrups, reinforcement detailing of isolated footing, pre tensioning and post tensioning and its applications. The workshop turned out to be the most practical lessons in the educational life of aspiring civil engineers.

EXCEL

The Excel workshop was conducted as part of Pantheon 8.0 on 19th November 2022. The event was organised by BIMLABS GLOBAL. The workshop started at 10 am with 72 active participants in two batches. Participants were taught about the basics of MS Excel, short cuts, add ons and its applications. The event was conducted at the venues CE3 DCF and CE1 202. The program went smoothly with the help of the event coordinators. The workshop came to an end by 1 pm.

PHOTOSHOP

The PHOTOSHOP workshop conducted as a part of Pantheon 8.0, was handled by JAGATH.A (ICI Design Head). It was held on 18th November in CE1 311. This workshop provided the opportunity for students to gain knowledge regarding Software tools available for editing and enabled on-site works with the software. There were a total of 35 participants. The session was scheduled from 9am to 12 pm. The coordinating team comprised 2 co-ordinators from 4th year, 2 sub coordinators from 3rd year and 6 volunteers from 2nd year successfully conducted the workshop.

Trainer (Jagath) has explained the software with hands-on experience to students including the designing of two different works. The workshop was technically and practically sound. Responses from the participants were collected through google sheets.

STAAD PRO

The STAAD PRO workshop conducted as part of Pantheon 8.0, was handled by faculties from BIMLABS. This workshop opened the students to the world of design and analysis of structures and regarding Software tools available. The event was conducted on 18th November, fully fledged with a total of 50 participants. The session was scheduled from 9am to 4 pm. A coordinating team comprised of two 4th year coordinators, two 3rd year sub coordinators and three 2nd year volunteers.

The workshop was arranged in the CE3 DCF lab. The workshop enabled the students to carry out structural analysis of RCC structure and have learnt how to prepare a

model, assign properties, assign different types of loads, analysis and design of multi storied RCC building and roof truss for industrial Building.

WEB 3 INTO REALITY

As a part of Pantheon 8.0 organized by ICI CET Student Chapter, WEB 3 INTO REALITY, an offline workshop was conducted by Investor CET, on the 19th of November 2022. The workshop was coordinated in collaboration with Web3 Kerala and Phoenix Guild. The workshop consisted of a session on 'How to deploy your first smart contract' followed by a talk session and a panel discussion headed by Mr. Sooryanath, the founder of Spathion; Mr. Padmanabhan, admin of NFT Trivandrum community; Ms. Sneha and Ms. Rosemary, TPG Kochi Chapter members. The workshop was a grand success with 80+ registrations of which more than 50 participated.

TECHNICAL TALKS

Technical Talk Team of ICI CET organised an interactive session with Mr. Keshav K, former Chairman of ICI GEC Barton Hill and a Freelance Structural Engineer. The topic of the talk was "Retrofitting methods in reinforced concrete structures". The session was conducted on November 18, 2022 from 10:30am to 12pm. The session was arranged by the Technical Talk Team for Pantheon 8.0.

Mr. Keshav K discussed the newly adopted engineering techniques used in the Retrofitting method and shared the science of how the concrete structures can be renovated instead of demolition after its lifetime. Various methods including concrete jacketing, adding steel bracing, external plate bonding, base isolation technique, mass reduction technique etc. were discussed which widened the knowledge of students and helped them to gain new concepts in the field of Civil Engineering. Nearly 60 Students participated actively in the session from various colleges and interacted with a bunch of curious questions. All the questions were welcomed and answered well by Mr. Keshav K. The session was very informative and the topic was highly innovative yet less discussed in the present day.

PANTHEON FOR JUNIORS

With the intention of giving an early exposure to school students in the field of civil engineering and college premises, Pantheon 8.0 introduced a new initiative: Pantheon for Juniors on 19th of November, Saturday. Along with other technical events and workshops for college students, a handful of events and workshops included these school students too.

Matrix for Juniors:

Matrix for juniors was the quiz program conducted by MATHELETS CET in collaboration with ICI CET in forenoon session for school students from 8 to 12. The events started from 10 am. There were about 4 rounds first round being the written test out of which shortlisted students are allowed to participate in the second round. Over 60 students from different school came and participate in this quiz. Quiz was held separately for students from 8 to 10 and to 11th and 12th students. Students were allowed to participate in a team of two. First round was MCQ type and the top 10 students are selected for the next round. Second round was buzzer round. Team who raised the hand first got chance to answer to that question. Third round was also buzzer round with negative mark. After third round 4 teams were eliminated and remaining 6 teams were allowed to enter the final round. In final round negative marking were given to wrong attempts. Team with higher mark were given first position and the prize was about Rs 6000. Cash award were awarded to winners.

Nirman: The Expo

Nirman focussed on the students from 8th std to 12th std students asking them to prepare any model of their choice related to the field of civil engineering. 1 team of five students participated in the expo. They were awarded a cash prize of Rs. 2000.

Workshops: Photoshop and Excel

Photoshop and Excel workshops were open to all students including school and college. 5 school students attended the Excel workshop and 6 students attended the Photoshop workshop both of which lasted for a duration of 3 hrs.

Summing up, Pantheon for Juniors proved to be a huge success with more than 70 students attending the technical fest and making it a huge success.

INFORMALS

Pantheon 8.0, being a technical festival didn't hinder the fun for the people as there were a variety of events and programs arranged parallelly to engage the spectators. There were some promotional pre-pantheon events including a flash mob performed by civil students itself at Mall of Travancore during November. Then the main events and games starting from the beginning of the two-day fest continued till the end.

There were various guessing games, brain teasers, some games which tested the concentration and aim of the participants, and quirky games testing your agility. The winners were awarded cash prizes.

One of the unique and novel experiences was the photo booth. This allowed the visitors to capture the fun moments and memories and take that back as memoirs in the form of photographs. Various food stalls and ice cream parlours were also set up and there was a never-ending flow of music throughout the fest witnessing people jamming to the music.

The pantheon night was a blast with various programs including dance, individual musical performances as well as band performances. The highlight was that all the performances were by the students of our college itself.

At the end, the events were a huge success with all the people enjoying themselves.

PANTHEON NIGHT

Pantheon Night organized in the eve of 18th November, 2022 was successful in marking the technical fest as a memorable one to the annals of ICI CET Chapter. As soon as the technical events and workshops of the day were wrapped up, Pantheon gave way for a cultural night where various students performed gracefully. The memorable night marked its beginning at 06:00pm in the evening.

The first performance was given by Basant Band, the musical band of CET '25 batch students. They provided a fabulous performance for about 20 minutes. This was followed by vocal and guitar performances by Arjun and Bhadra, a musical feast by Vivek with melodica and a violin and guitar fusion performance by Vivek. Followed by these performances, Rahul gave an amazing vocal treat with karaoke. The final event was by Neehar band, the musical band of CET'23 batch students.

Altogether, the night was indeed graceful in all aspects. Right from the programs organized to the decorations, aesthetics and other necessary arrangements for the

event, the entire Pantheon Night was well organized and neatly conducted. This night shall remain one of the very fine nights for the Department of Civil Engineering to remember and cherish.

CLOSING CEREMONY

With the closing ceremony on 19th of November, the festival lasting two whole days came to an end. The registration count inclined up to 1200, this was the greatest Pantheon ever in the history of CET. On behalf of ICI CET, Jinsa N, treasurer, welcomed everyone to the valedictory function. Rinshy TP, convenor of Pantheon, briefed the crowd about the report of Pantheon. Dr. Anil R, our Head of the Department gave us the valedictorian address while Er. S Anwar Hussain Chairman, ICI Trivandrum Chapter, Prof. Dr. Mini Soman Secretary, ICI Trivandrum Chapter and Prof. Biju V, Staff coordinator, ICI CET Chapter, conveyed felicitation addresses, followed by the prize distribution.

