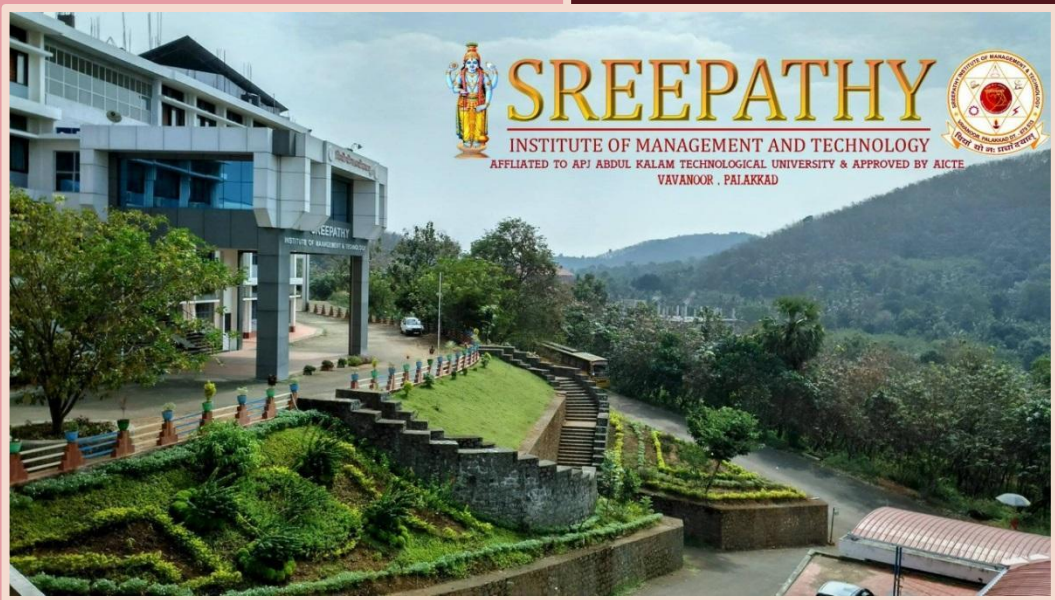


SREEPATHY

MONTHLY NEWS LETTER



ISSUE NO: 03

MARCH 2023

K-DISC INNOVATION DAY 2023 – YIP AWARD CEREMONY



Kerala Development Innovation Strategic Council (K-DISC) conducted K-DISC Innovation Day 2023 on 13th March 2023 at MUSCAT Hotel, Thiruvananthapuram in order to felicitate the YIP 2021 Award winners. Sreepathy Institute of Management and Technology (SIMAT) was selected to receive the Third Prize among Colleges in YIP 2021. Dr. S. P. Subramanian, Principal, SIMAT and Sri. Krishnan K N, Nodal officer, IEDC-SIMAT attended the event and received the award from Chief Minister of Kerala State Sri. Pinarayi Vijayan and Sri. P Rajeev Hon. Minister for Law, Industries and Coir. The award ceremony was scheduled in the evening session of Innovation Day from 5.30 pm to 6.30 pm.

The morning and afternoon sessions of Innovation Day were neatly scheduled with Keynote address on Emerging Technologies, Panel Discussions on the impact of AI on society and governance, Kerala Knowledge Economy Mission, Discussion with Domain partner institutions, developing skill sets etc.



IEDC SUMMIT 2023

Asia's largest summit for aspiring student entrepreneurs, IEDC Summit, was conducted at Rajagiri School of Engineering & Technology on 04th March 2022. Shri. Anoop Ambika, CEO, KSUM delivered his presidential address. "The role of IEDCs in contributing to society is immense. This generation has financial and creative freedom. There are 425 IEDCs across the State. And, we need to come up with at least one company from each IEDC. Let us know any help that you need to pursue or develop your product", he said while speaking at the event. Shri. P Rajeev, Hon'ble Minister for Industries, Law and Coir, Govt. of Kerala, in his inaugural address, stated that industry establishment is pivotal in a start-up and entrepreneurship ecosystem. "More industries have to come forward to make



and market the fresh innovative ideas of the students across the state," he added. Sri. Kochouseph Chittilappilly, Founder & CEO, V-Guard and Wonderla, was also present at the inaugural ceremony. "Without entrepreneurship or employment generated there is no true development. Young people are very fortunate. The next 40 years are for India. The Ecosystem is much more friendly. Entrepreneurship can fail. But the question is whether you're ready to rise back as a Phoenix bird? Don't get in a hurry. Wait and watch. Get some experience and then start with your start-up journey", he shared while delivering the keynote address. Celebrated actor and Founder of Pranaah Fashion Couture, Ms. Poornima Indrajith, traced her journey as an actor and



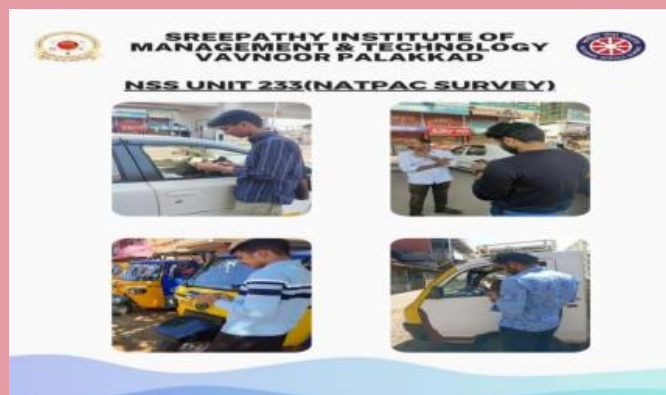
entrepreneur in a Fireside Chat at the IEDC Summit. She spoke in detail about how the fashion industry has evolved over the years in Kerala. Meanwhile, Mr. Sugesh M S, TBI-SIMAT, attended the one-on-one discussion with Ms. Sruti Singh, IAS, Senior Manager, Startup India. At the meeting, the need for infrastructure development support for KSUM-recognized ITBs was

communicated. A panel discussion on Redefining Agriculture with Technology and Entrepreneurship throws light into the state of agriculture in India. The Panelists, Devika Chandrasekharan, Fuselage Innovations, Dr Geemon Korah, Mane Kancor Ingredients, Arjun Mathew, Bioingredia discussed at length on how new technologies have been making agriculture more productive. The speakers also stressed on the fact that in an agri business, there is always a stage between growing a crop to bringing it to the market that awaits innovation. In conclusion, the IEDC summit was an informative and insightful event that provided a platform for students, experts, policymakers, and stakeholders to discuss and deliberate on various topics related to entrepreneurship development. The summit featured engaging presentations, interactive sessions, and informative workshops that gave attendees a better understanding of the challenges and opportunities in entrepreneur and economic development. We would like to express our gratitude to SIMAT Management, the Principal and the SIMAT Family for providing the opportunity and support to participate in the IEDC Summit-2023. We Hope to take part in similar events in the future and pursue our mission to promote the development and growth of entrepreneurs and the economy.



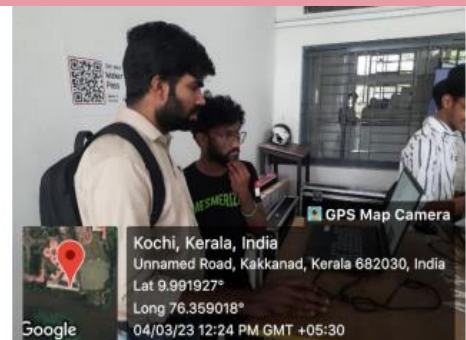
NATPAC SURVEY

The volunteers of NSS UNIT 233 SIMAT conducted a survey for the organization National Transportation Planning and Research Centre (NATPAC) on the basis of taxi and goods Vehicle rates. The volunteers were divided into groups and asked the public regarding their opinion on the rate of taxi and goods vehicles.



FDP FOR NODAL OFFICERS & NO NIGHT

Kerala Startup Mission organised a dedicated One Day Faculty Development Programme as part of IEDC Summit 2023 on 03 March 2023 at Rajagiri School of Engineering & Technology. The FDP was followed by NO Night, a network dinner and cultural extravaganza. Mr. Anoop Ambika, CEO, Kerala Startup Mission addressed the Nodal Officers during the



programme. During the round table discussion with B Karthik Parasuram, Project Director-Incubators, Accelerators & Knowledge Labs, the TBI managers raised the difficulty in obtaining the funding for incubators and the support expected from the KSUM.

WOMEN'S DAY CELEBRATION

Women cell of SIMAT aims to create social awareness about the problems of women and in particular regarding gender discrimination and develop the self-confidence of Women. To guide Women Welfare Laws, assert the importance of spiritual, economic, social, racial and



gender equality, highlight the importance of health and hygiene, develop a multidisciplinary approach for the overall personality development. As a part of International Women's Day, Women cell - Sreepathy Institute of Management and Technology along with Indian Dental



Association and Women Dental Council conducted a “SELF DEFENSE SESSION” on 8th March 2023. Dr S P Subramanian (Principal) welcomed everyone. The presidential address was done by Dr Aruna Krishnan A (President, IDA Valluvanad). The chief guest of the event Smt. Sreela Nallemam (Cine artist, Musician, Classical Dancer, Social Media Influencer) inaugurated the session. Smt Sreela Nallemam shared encouraging words to the students. Felicitations were given by Smt V Anilakumari (Inspector of Police, Vanitha Police Station Palakkad) Mr Janardanan M K (Administrative Officer) Prof. Sushma M (HoD ECE) and Dr Hema P Menon (HoD CSE). To express our sincere gratitude, we gave mementos to the honorable chief guest and to all the officials

from the police department. Finally, the inaugural ceremony was ended by the vote of thanks done



by Dr Aswathy K (WDC Representative).

The self-defense session started after the inaugural ceremony. The session was handled by the officials from the Police department. The event was elevated by the presence of Smt Sheeba B (Asst sub inspector), Smt Jameela S (Senior civil police officer), Smt Priya (Civil police officer), Smt Sajitha B (Civil police officer), Smt Nisha V (Senior Civil police officer), and Smt M Supriya



(Senior Civil police officer). They taught a variety of self-defense skills that will one day protect the students. The event was really informative and useful. All the staff and students of Sreepathy participated in the event and made it successful. Few of the students shared their feedback and Assistant Professor Anjali Ananthan ended the event by expressing gratitude towards everyone who coordinated the event, to all the dignitaries joined and to all the staff and students for making the event successful.

DYUTHI -HOW HARD TO BE AN AUTHOR – IEEE WOMEN’S DAY TALK

As a part of women's day, IEEE SB SIMAT organized an experience sharing session. The speaker was renowned novelist and short story writer Ms. Sudha Thekkemadam. Sudha Thekkemadam is a teacher, dancer, novelist and short story writer. She is a script writer of 20+ shortfilms like Ozhukkam, hope, Mohappothi, and Snehapoorvam shivani. One of her famous books is “Kumarankaatu” and other major works are Manorama books novel “Sword hunter 01 “and the novel” Nerpathi “published by dc books. She was honored by Kamala Surraya short story award for her renowned story Aalidasan. The speaker said that “Women should step out of their comfort

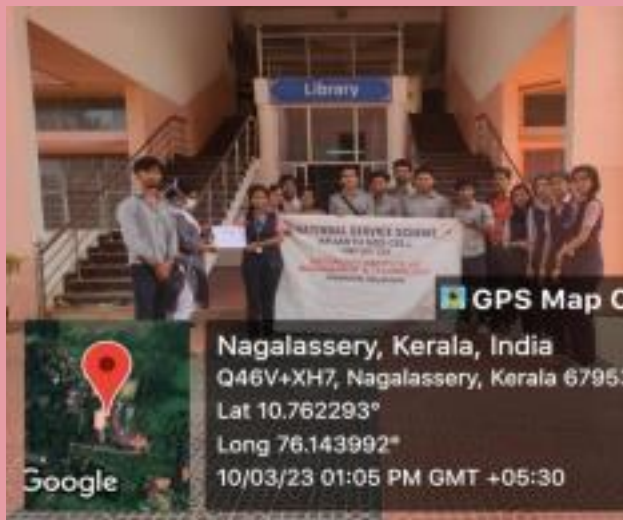
zones to achieve their dreams”. She mentioned about the theme of Women’s Day 2023 and said that the main message of women’s day 2023 is “embrace equity” and equity means providing equal services or anything to everyone irrespective of their disabilities, gender etc. Then she quoted about how books influenced in her life and said “My life changed when I started reading books and now books are the inevitable part of my life. So, I suggest all of you to start reading books and trust me they will become your best friend”. Then she shared her experiences as an



author. As a woman writer she has faced a lot of struggles in this field. She encouraged us to be successful in any field by saying that “All you have to do is stay confident and believe in yourself so no one can demotivate or discourage you from your dreams”. The students were motivated by her interactive session and especially because she was the mother of one of our Alumni.

SANJEEVANAM BLOOD DONATION CAMP

NSS Unit 233 of SIMAT under the RUDRASENA, an initiative by APJAKTU NSS CELL organized a blood donation camp named “SANJEEVANAM” on 10th March 2023 from 9.00 am to 12.00 pm at the college auditorium. The Government hospital, Palakkad provided medical assistance throughout the camp. A nine membered team reached the college and their valuable



service made this camp successful. Around 25 people including students and teachers donated blood. The blood donation camp strictly followed the donation criteria and proper medical guidelines and awareness were also given to the volunteers. All the students, teachers and doctors cooperated to make the program a success.

CLEANING GROUND

The volunteers of NSS UNIT 233 helped activities in the new ground. They clean the ground and remove unwanted plants from the surroundings. The volunteers take part in all the activities in the new ground.



AN INSIGHT TO PROGRAMMING

Department of CSE and AS&H jointly organized a two days training program on the topic “AN INSIGHT TO PROGRAMMING” for kindling interest for programming and enhancing the



programming skills on 18th and 20th March 2023. The training was organized exclusively for the first year students. The event was coordinated by Ms. Nandha Pradeep, Ms. Sruthy. M and Ms. Uma Devi. P.S under the guidance of Dr. Hema P. Menon, HoD, CSE and Dr. Sagar M. Narayanan, HoD, AS&H. Mr. Ganesh.P, Research scholar IIT Palakkad, and Mr. Jayanthan. K.S Former Assistant Professor, CSE were the resource persons for the event. The program was

inaugurated by Principal, Dr. S.P Subramanian. After that Mr. Ganesh interacted with students. He explained what a computer is and different types of number systems. After



the break he explained what an algorithm is and also explained an algorithm to convert binary number to decimal number. The first session

ended at 1.15 PM.

The next session started at 2.00 pm with a welcome speech of Mrs. Nandha Pradeep. The session was handled by Jayanthan.K.S. He explained the importance of computers, different types of computer languages and also explained the career opportunities a CSE student will have. The session ended at 3.50 pm.

The next day, total students were divided into two groups. The first Group (C&D) handled by Mr. Ganesh P and the next group (A&B) handled by Mr. Jayanthan. K.S. Mr. Ganesh mainly talked



about the algorithms, and discrete mathematics. After the break the next session started at 11.30 AM. Then the students entered into both the labs (compiler and programming lab) and provided them with a game for developing the program logic. Students got an opportunity to write and execute some programs. The session ended at 3.30 PM.

AN ORIENTATION PROGRAM ON MEP, NDT ADD-ON COURSES & MECH PRIZE COMPETITION

With a view to making the passing out students aware of different job-oriented add-on courses, Armstech Engineers Private Ltd. gave an orientation program about various courses like MEP, NDT, etc. in the afternoon session of March 29th, 2023. Armstech is an emerging EPC contracting company which offers NSDC, NACTET approved courses in NDT, MEP, Piping Engineering, etc. NACTET coordinator, Mr. Irshad explained the various fields in engineering where job opportunities are maximum. He also introduced the various courses they are offering.

They conducted an objective technical exam called MechPrize and Mr. Anand KN of the eighth semester



mechanical engineering was selected as the winner. He will be eligible for attending a 3 months certificate course at Armstech for free.

EMERGING TECHNOLOGIES PHYSICAL INTERNET

An invited talk on "Emerging Technologies Physical Internet" was conducted by 'INSPIRE' Student Association of the Department of Electronics and Communication Engineering on 22nd March 2023 at 11.30 am in the Seminar Hall. The session was handled by Dr Ravikumar P (Ph.D. from IIT Bombay, Retired Senior director, C-DAC, Ministry of Electronics and IT from Govt. of India). The event started with a silent prayer. Prof Sushma M (Head of Department of ECE) welcomed the gathering to the event. The speaker shared various emerging and innovative technologies with special emphasis on the concept of 'Physical Internet'. Participation by students and staff members from almost all The departments made the event successful. Ms Divya S, Secretary of Inspire – ECE Association, concluded the session with a vote of thanks. Ms. Suhailath T.K (S8 ECE) hosted the event.



IN HOUSE SEMINAR ON “PYTHON FOR SIGNAL PROCESSING”

ISTE –Staff chapter, SIMAT conducted an in house seminar on 24th March 2023 on the topic “Python For Signal Processing” by Ms. Shehras VU (Assistant Professor ECE Department)) at ECE Software Lab (MS - 1B). It was a hybrid mode session where the theory and hands-on activity in python was done. The session started at 01.00 pm. Ms. Shehras VU described the basics of python and python libraries. She also mentioned the advantage of using Python in Signal Processing. Then she moved on to the hands-on session in which the participants were familiarized with the basic analysis and data visualization tools in Python. She also demonstrated the plotting of basic signals and described the steps of various modulation schemes used in signal processing. The session was very informative and was concluded at 1:30 pm with a vote of thanks by Ms. Anjali Ananthan (ISTE Chairman, SIMAT).



FDP - "KNOWING IMAGE PROCESSING AND COMPUTER VISION THROUGH PYTHON "

Prof. Sushma M, HoD ECE, Ms. Sreebala P, AP/ECE & Ms. Anjali Ananthan, AP/ECEA attended three days online FDP on "Knowing Image Processing and Computer Vision through Python" was organized by the ECE Department of Govt. Engineering College Palakkad from 20th to 22nd March, 2023.

ORIENTATION SESSION ON PLASTIC INJECTION MOULDING

Department of Mechanical Engineering, in association with CIPET Palakkad, organized a two hours training session on fundamentals of plastic injection molding on 13th March 2023. The students got an awareness about the technical aspects of injection molded as well as extruded



plastic products. The session was handled by Mr. Libin Roberts (Senior Technical Officer and in charge). He introduced the basic tooling and machineries of plastic injection molding and extrusion, their parameter setting and operations. He also gave idea about the hands-on training courses in CIPET and the placement opportunities in plastic processing industries. The session started at 11.30 am and ended at 1:30 pm.

ORIENTATION SESSION IN CAD SOFTWARES

With a vision of developing design and analysis skills of students, Department of Mechanical Engineering, in association with CADD Centre Thrissur, organized a half-day training session on fundamentals of Auto-CAD and Solid works on 06th March 2023. The session was handled by Mr. Akhil K (Mechanical Faculty, CADD Centre, Kuruppam Road, Thrissur). He introduced the



basic tools and modeling features of Auto-CAD and Solid works softwares. Part modeling, assembly, analysis, and simulation of various equipment/machines were also demonstrated during the session. The students also got an insight of opportunities of modeling and analysis skills in industries. The session started at 1.30 PM end ended at 4 PM with positive feedback from the students

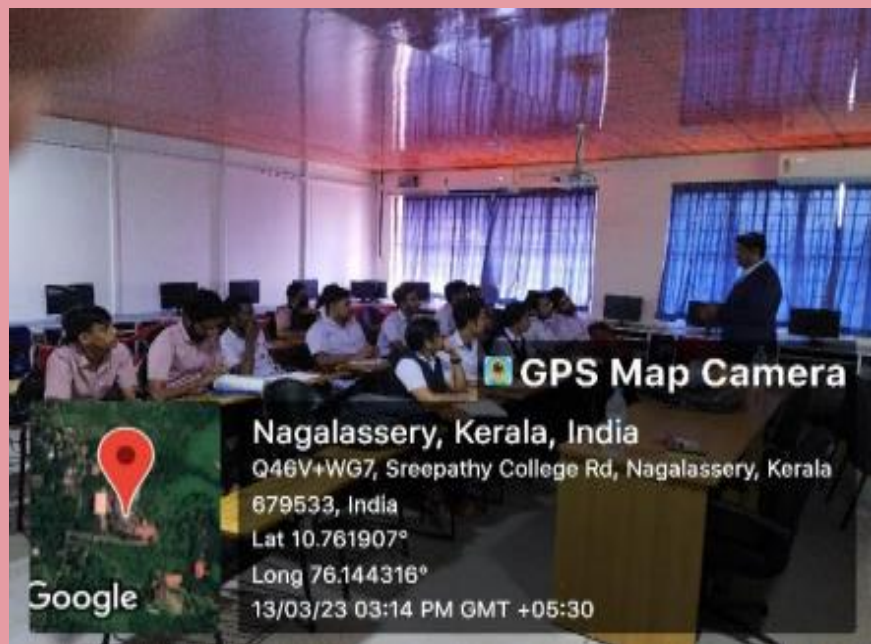
AWARENESS CLASS FOR POLICE DRIVER TRAINEESHIP, RAMAVARMAPURAM, THRISSUR.

As per the request from Assistant Director (Tech. & M T Studies), Kerala Police Academy, Thrissur to the Principal, Sreepathy Institute of Management and Technology, Vavannoor, Sanctioned Dr. Sagar M. Narayan, Associate Professor, Mechanical Engineering Department to take the classes at KEPA about the basic awareness of the automobiles



JOB ORIENTED TRAINING SESSION FOR EEE STUDENT IN CAD LAB

Department of Electrical and Electronics Engineering hosted a training program in the Mechanical CAD Lab to enlighten our students with the knowledge in the field of building design on 13th March 2023, 01.30 pm to 04.00 pm. The session was handled by Mr. Bosejith Narayanan (Former electrical Design Manager from L&T Construction). During the discussion, he provided a general overview of the top jobs in demand today, which mostly comprise Design Engineer and Site Engineer, as well as the relevant courses needed to pursue these careers. These certified courses include Electric Design



For Building, Substation Design, ETAP summing to a total of 30 modules by emphasizing on subjects like types of relay, NEC and NBC codes etc. that students should focus on before pursuing these courses. The reviews and responses from students were positive.

UNNATI MAHOTSAV 2023 (UNNAT BHARAT ABHIYAN)

Unnat Bharat Abhiyan is a flagship program of the Ministry of Education, Government of India. Its objective is to improve the living conditions of rural communities through technology and other sustainable interventions. The program aims to create virtuous cycle between society and an inclusive academic system by providing knowledge and practices for emerging professions and



upgrading the capabilities of both the public and private sectors to solve the challenges of rural India. The program is based on the premise that higher education institutions have a crucial role in the development of rural communities. Under the program, Sreepathy Institute of Management and Technology, Kerala, developed an electronic system “Real-time water level monitoring system for Dams and rivers” for villages in Palakkad and Thrissur area. In the program, Unnati Mahotsav 2023, conducted by IIT Delhi on 17th and 18th March 2023, Sreepathy were allotted a stall to represent Kerala and also for the prototype demonstration. On the second day of the event, Sreepathy got a chance to present the idea on the dais, and during the discussion, we got special appreciation and asked to



proceed with the project for the betterment of society. There were different parallel sessions of programs going on these two days.

On behalf of Sreepathy Institute of Management and Technology Mr Sugesh M S as Principal Investigator, former IEDC nodal officer Mr. Sebin P sunny, and Mr. Arun KA, Assistant director-KERI as village representatives, constituted a team and represented the program.

REPORT ON THE TWO DAYS TRAINING PROGRAM ON “PIPING DESIGN WITH PDMS”

With a view to shorten the gap between engineering academia and industry, and to familiarize the latest technologies, a two-day training program on Piping Design with PDMS by Mr. Dany J Chiramal (PDMS trainer and consultant) and Mr. Jayan A N (Managing director, Paramount Institute of Piping Engineering) for 4th and 3rd year Mechanical Engineering Students was organized by the ME Department in association with the placement cell on 08th and 09th March 2023. The Programme was



inaugurated by Mr. Janardanan M K, Administrative & Placement Officer. After the Inaugural address, Mr. Dany J Chiramal had a casual interaction with the students about their area of interest and ice goals. Later Mr. Jayan A.N. begins the technical session with an overview of Oil and gas Production, Scope of piping design and various well-known companies hiring piping engineers.

ISTE - IN HOUSE SEMINAR ON APPLICATION OF NANO MATERIALS IN WATER RESOURCE ENGINEERING”

ISTE –Staff chapter, SIMAT conducted an in house seminar on 31st March 2023 on the topic “Application of Nano Materials in Water Resource Engineering” by Ms. Roshni T Mohan (AP/ CE) at Seminar Hall.

It was purely a theoretical session. The session started at 1.00 pm. Ms. Roshni described about the basics of Nano technology. Then she moved into the importance of Nano technology in cement based materials. The importance of water resource engineers and their role in controlling the discharge through spill ways was also discussed. She discussed about the increase in the discharge of ogee spillways by using Nano cement, Nano fly ash and Nano silica by plastering the upper surface of the spill way. The session was very informative



and was concluded at 1:30PM with a vote of thanks by Ms. Anjali Ananthan (ISTE Chairman, SIMAT)

INDUSTRIAL VISIT

An Industrial Visit and Tour programme was arranged for the Eighth Semester Civil Engineering students. On 21st March 2023, the team visited National Council for Cement and Building Materials (NCCBM), Ballabgarh, Delhi. NCB supports and promote research and scientific work



connected with cement and building materials. Ms. Swathy Narayanan N M, AP/CE & Mr. Suraj Kumar E S, AP/ AS&H accompanied the students.

STUDENT ACHIEVEMENTS

- ❖ Mr. Bharadwaj K B - i5 Publicity Volunteer
 - ❖ Mr. Satheerth Nair - i5 Publicity Volunteer
 - ❖ Ms. Abhirami Namboodiri - i5 Publicity Volunteer
 - ❖ Ms. Merin Ajay - IEEE XTREME Ambassador
- ✓ Ms. Amrutha, Mr. Dileep K, Ms. Gopika K Chandran and Mr. Vyshak attended online session conducted by NATPAC on 17th March 2023
 - ✓ S4 students attended training session on Communicative English conducted by the Placement and Training department on 09th and 10th March 2023.
 - ✓ Mr. Abeedar M A, S8 EEE and team selected for BEST IDEA Fisheries Entrepreneurship Technology Event FISHACKATHON 1.0 organized by KUFOS Business Incubation Centre on 29th March 2023. Team Members – Mr. Sudev K, Mr. Akshaykumar P k, Mr. Ashfaq Bin Asharaf (S8 EEE)
 - ✓ Mr. Abeedar M A and team got shortlisted for final round by EDII Ahmadabad, Gujarat on the theme Sustainability Hackathon Team Members- Mr. Abeedar M A, Mr. Ashfaq Bin Asharaf, Mr. Sudev K, Mr. Akshaykumar P K, Mr. K P Nidhiin, Ms. Panchami and Ms. Megha M V.
 - ✓ S6 students attended a two-day Coding practice program conducted by the Placement and training department on 02nd and 03rd March 2023.

CONFERENCE / JOURNAL/ CONTEST SUBMISSIONS

- ❖ Mr. Jyothis K P Asst. Prof in CSE presented a paper titled "Security Issues in MQTT Protocol used in IoT devices" in the National Level Conference on Recent Trends in ABCD organized by the dept of Information Technology at Dr. M.G.R Educational and Research Institute, Chennai on 23/03/2023 & 24/03/2023

FACULTY ACHIEVEMENT

- Dr. Ramkumar P N, HoD ME, reviewed the research papers that were submitted to the International Conference on Emerging Trends in Engineering Science and Technology (ICETEST2020) organized by GEC, Thrissur
- Dr Ramkumar P N, HoD ME, attended "Conference Organizers Workshop" organized by IEEE Kerala section, on 25th March 2023 at CUSAT, Kochi.
- Mr. Sankaranarayanan KM, HoD CE and Mr. Sreekanth EM, AP/CE along with S8 students submitted DPR on buds' school for Nagalassery Panchayath on 17th March 2023
- Ms. Chandni PK, AP/CE attended an online session conducted by NATPAC on 17th March 2023.
- Dr. Sagar M Narayanan, HoD AS&H, reviewed a conference paper submitted to the International Conference on Mechanical Engineering and Technologies URJA'23 conducted by Dept. of Mechanical Engineering GEC, Kozhikode, under the Agies of YUKTHI'23 International Conference on Emerging Trends in Engineering conducted at GEC Kozhikode, on April 10th and 12th March 2023.
- Mr. Sugesh M S (AP/ ECE) attended 6 days FDP on Research Challenges and Issues on Antennas from 27/02/2023 to 04/03/2023 organized by IEEE Antennas and Propagation Society (Madras Section) in association with Sathyabhama Institute of Science and Technology, Chennai.
- Mr. Sugesh M S (AP/ECE) served the duty as a resource person for "Class on Electronics, Robotics & Artificial Intelligence "conducted by GVHSS Keezhuparambu as a part of National Science Day on 02nd March 2023.
- Dr. Hema P. Menon (HOD, CSE) along with Mr. Syam Prasad (AP/ME) gave a session on Introduction to Scratch Programming to first year students on 15th to 17th March 23 organized by CSE & ME depts.
