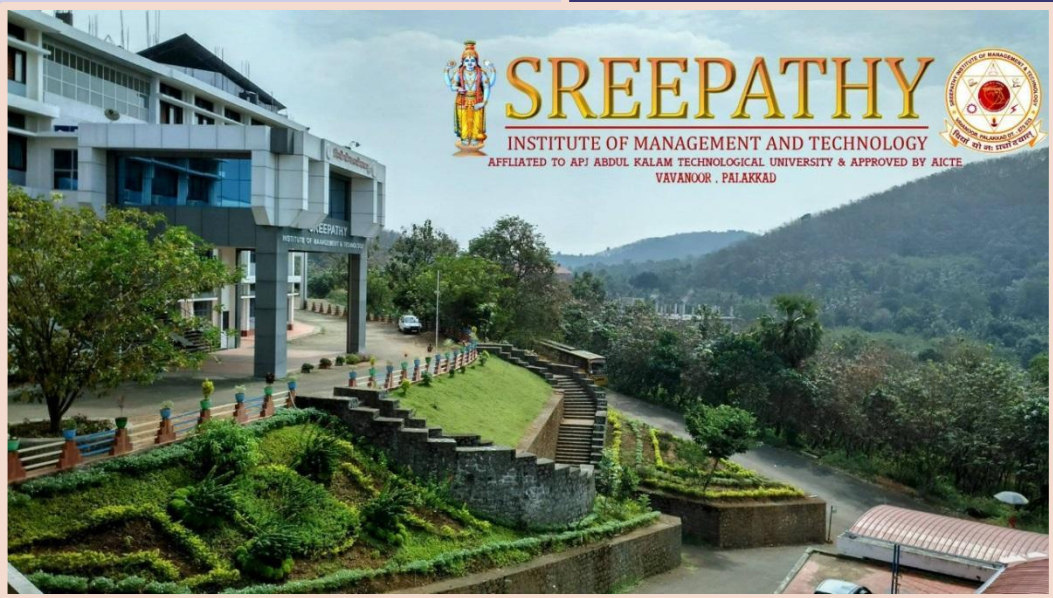


SREEPATHY

MONTHLY NEWS LETTER



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NSS ANNUAL MEET



NSS UNIT 233 participated in the two-day camp of Annual NSS meet along with Energy Management Centre, Kerala and Clean Tech Challenge from 12th to 13th April 2023 in Trivandrum. On the first day program was at Uday Palace. There were almost 1500+ NSS volunteer and programme officers gathered there, and they were arranged on the basis of the region where they are coming from. The program started with an inaugural ceremony by Dr Saji Gopinath (Hon Vice chancellor APJKTU) inaugurated the function in the presence of Dr. R Harikumar (Director EMC), Mr. R Sreedhar Guru (Regional director NSS) & Dr Joy Varghese V M (Programme Coordinator NSS). The first session started at 9:30 am on EMC Tech Session (games/quiz related to Energy cell). After that there was Award distribution ceremony. NSS UNIT 233 SIMAT got the Best NSS UNIT Award and Sri. Syam Prasad (former Program Officer, SIMAT) received the Best Program Officer Award. First day of annual meet up ended with cultural activities to entertain everyone. After that each region went to their respective allotted stay space.



Day 2 started with flag hoisting, followed by warming up and Yoga session at 5:30 am. After the breakfast everyone moved to CET



Campus for the further sessions. There was different session on general orientation, KTU care, Rudhirasena, NRPF & Energy cell to program officers and volunteers. After the session lunch were provided and on that time cultural events were conducted by various volunteers and program officers of different colleges. The program ended with closing ceremony between 2.00 pm - 3.00pm. The certificates for the

volunteers is given to respective district coordinators and then volunteers collected it from them. The 2nd day annual meet up ended at 3.30pm and it was an unforgettable experience for all the volunteers who participated in the function.

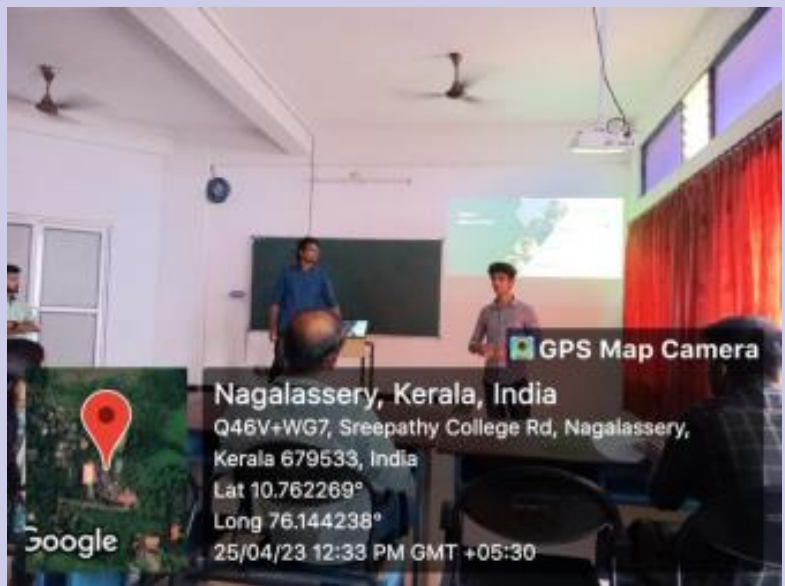
PRAVAH-2023

PRAVAH'23 was the most awaited Techno-Cultural fest of Sreepathy Institute of Management and Technology that strives to unlock the power of amateur techies and creative brains. It was organized by the bright young minds of SIMAT on 25th and 26th of April 2023. The day-1 was designated as “Tech Day” and the second day featured cultural and artistic events. As a part of Pravah, the college campus and all the department areas were decorated attractively by the art team. They made paintings on the walls and many drawings done by various students were showcased. These creative endeavors attracted everyone and it enhanced the beauty of the occasion.

The first day of Pravah started with the inaugural ceremony at 9.00 am. The function started with the prayer followed by the welcome speech by Ms. Suhailath T K (Senate Vice-Chairman). The inauguration was done by Dr S P Subramanian (Principal). After that, Sri. Janardanan M K (APO), Dr K T Madhavan (R&D Head) and Prof. Sushama M (HoD ECE) were felicitated the gathering. The inauguration ceremony came to an end with a vote of thanks by Mr. Amalkrishna (Senate Chairman). Head of departments, Senate members, teaching and non-teaching staffs were also present on the stage. The function was successfully hosted by Ms. Divya S (Senate Member). After the inaugural ceremony, various programs were conducted. With the “Vintage Auto Expo”, the Tech Fest got off to a vigorous beginning. It was the most exciting part of Pravah. The college porches turned into the venue for the Auto Expo. It featured a range of vehicles and their spectacular moves energized all the students. The auto show was then extended onto the college ground and campus premises. To amaze the audience, the crew performed various incredible moves using many vehicles and it completely changed the ambience of the day. After thrilling the young minds, the program come to a successful ending by 1.00 pm.



Apart from the auto expo, a wide range of engaging programs were included in the tech fest. One of them was "Project Expo". It is conducted in the classes of mechanical department at 11.00 am. It enabled an opportunity for the students to share their project ideas with others. The program went through many project topics and finally, the best among them was selected. The session ended at 3.00 pm. In addition to the project expo,



programs like ideathon, workshops, talk sessions, etc. were run concurrently in different classrooms. Ideathon conducted in the ECE tutorial classroom was another highlight of the day. It was a good platform for presenting various ideas of the students. They made PowerPoint for their ideas and presented them well in front of others. At 1.30 pm, it ended up being a



great success.

As a part of Pravah, 2 workshop sessions were conducted. It started at 11.00 am and the EEE classroom was turned into the venue for both of them. The workshop was based on drone building and flying skills. It included many activities that are useful for the technical students. The enthusiastic coordination of the staff



and students made the program a great one. Talk sessions were another informative and inspiring session of the day. 2 talks were conducted respectively at the CSE lab and the college seminar hall.

While performing all these events, engaging programs like technical games, AI art gallery, RC show etc. were carried out throughout the college. All these programs started at 11.00 am. The AI art gallery, "Picazo" was an interesting session among them. The students and teachers were involved in creating their artworks by using Artificial Intelligence (AI).



A session was also organized to experience "Virtual Reality". In this, 5 minutes were allotted for each participant. They experienced a rollercoaster ride and many more visuals through the VR technique. It was also an engaging program. All these events ended by 3.00 pm. After that, an award ceremony was conducted at the seminar hall. Dr. SP Subramanian, Principal, distributed prizes to the winners of various competitions.

The college Arts Fest was conducted on 26th April 2023, the second day of Pravah. The program commenced at 10.00 am with a Thiruvathira performance at the college auditorium. The Art Fest served as a great opportunity for students to showcase their talents and they could be provided to different artistic disciplines. It included a



variety of items like classical as well as cinematic dance performances, music concerts, fashion shows etc. The students from all the departments participated in various programs with great deal of enthusiasm.

The cultural events were so interesting and came to an end with the prize distribution of the on-stage competitions and the earlier off-stage competitions. Principal presented certificates and trophy to all the winners.

After the cultural performances, a musical event- “Pro Show” was conducted at 6.30 pm at the college auditorium. It was one of the most awaited programs of Pravah. The professional singers from the “Street Academy” music band attracted everyone with their magical performance. They made the event more colorful and it energized the audience. The program ended at 8.30 pm being a great success. By this, Pravah’23 came to an end with fireworks for celebrating the pleasure. The joint hands of students, staff, and college management made the event a great success and memorable.



INAUGURATION OF SIMAT CODING CLUB

SIMAT made a beginning towards fostering a strong coding community in the institution. This is an initiative by the students, for the students, of the students. In these days of hackathons with luring prize money, the students should rise to the occasion and be ready to solve them. Also, the students should get familiar with the level of coding skills required in the industry. Thus the coding club is born. Mr. R N Krishnakumar, Asst. professor, Dept. of ECE welcomed the dias as well as the audience. The honorable Principal gave the presidential address. He stressed the role of coding in the days to come. He reminded that the faculty should serve only as a supporting element and the students should



take the lead to enliven the club.

The club was inaugurated by Mr Bastin, CEO and co-founder of Linways on 3rd April 2023. His speech was filled with affectionate words for the students where he stressed that all students can succeed in coding with sufficient effort.

Amar Tumballi, co-founder at Dhiway is the mentor of the coding club. He has agreed to spare his time for posing hackathons for the students. In his video address he implored the students to get into the act of completely solving

an engineering problem.

Following that the mike was handed over to the students. The students opened their minds to the idea of coding club. They resolved to take it forward and solve the challenges that come their way. Ms. Sreeshma K, Asst. prof., CSE, coordinated the program towards making it a success. To conclude the program, students expressed a vote of thanks.

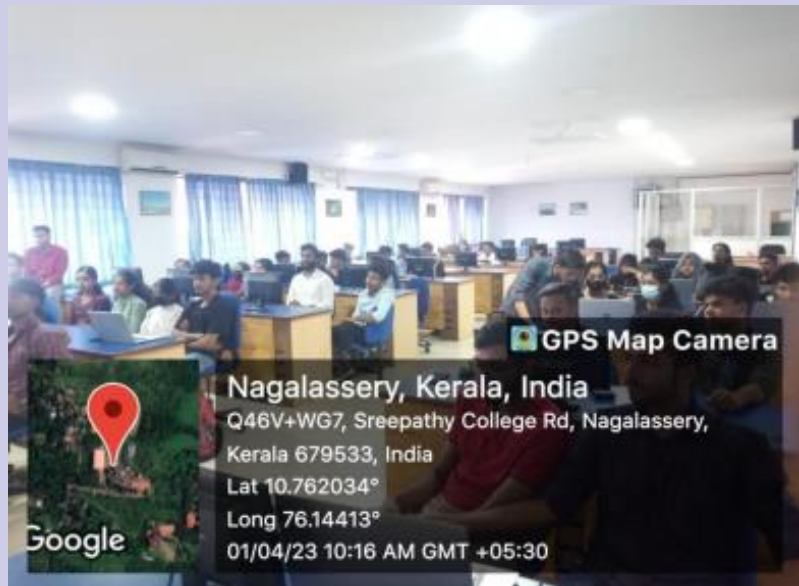
GAME DEVELOPMENT WORKSHOP

IEEE SB SIMAT conducted a Game Development Workshop on Saturday, 1st April 2023 from 9.00 am to 5.15pm in Skill Development Lab (SDPK Lab). It was a workshop by the students and for the students. A total of 38 students, 28 IEEE members and 10 non IEEE members, participated in the workshop. Four students from other neighboring Engineering colleges participated in the event.

The participants were welcomed and the event was inaugurated by the newly elected chairperson of IEEE SB SIMAT Mr. Abhinand Satheesh, S6 CSE, in the presence of branch counselor. The

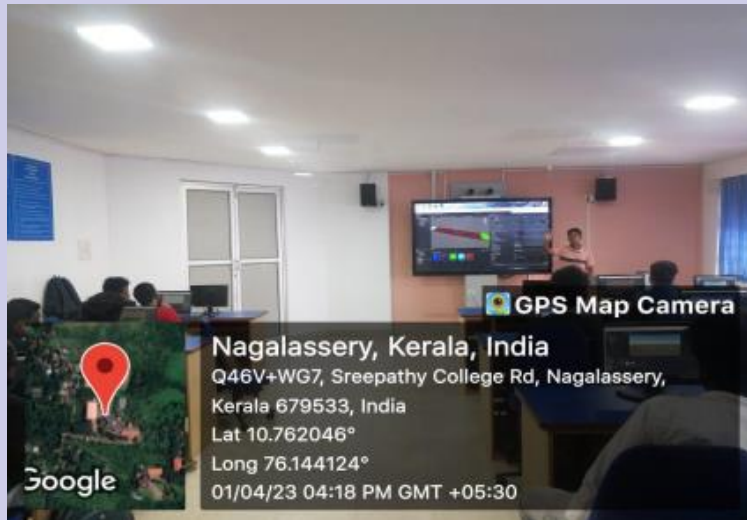
session was then handed over to Mr. Abhinav Satheesh, S6, CSE, who was the resource person of the Game Development Workshop. He Started the Workshop by Sharing his experience with UNITY and what encouraged him to become a game developer. The session started with basics, that included basic concepts, features and functions of UNITY.

Abhinav is a very good game developer and his expertise made the sessions very informative and easy to understand. He inspired



everyone with his development skills. Few IEEE committee members were also there to help him

during the session. The session was really helpful to the students who participated in the Game Development Workshop.



The session ended with the speaker giving the participants a task - to complete a level of game. All the participants actively tried their level best and the winners were Alan and Aravind from first year CSE. The prizes were distributed by Mr. Rejaneesh R, HoD EEE.

INDUSTRIAL VISIT TO COLLEGE OF SHIP TECHNOLOGY

Department of Civil Engineering, Mechanical Engineering & Electrical & Electronics Engineering jointly organized a one-day industrial visit to College of Ship Technology, Puthukkode, Palakkad on 04th April 2023. College of Ship Technology (CST) has been running various training programs in ship building and repair, approved by DNV Norway, since 2007. It is currently focusing on imparting Marine Technical courses related to the Ship Building and Ship Repair Industry. A group of 44 students (from CE, ME & EEE Dept.) and 3 faculties; Mr. Syam Prasad G (AP, ME), Mr. Sreekanth E R (AP, CE) and Ms. Susmitha P (AP, EEE) started from SIMAT campus at 9.15 AM and reached the site at 11 AM. The IV started with an introductory session on various aspects and scope of Naval Architecture and opportunities in Ship Building Industry, handled by the staff members of CST. Then the students were directed to various Laboratories and workshops

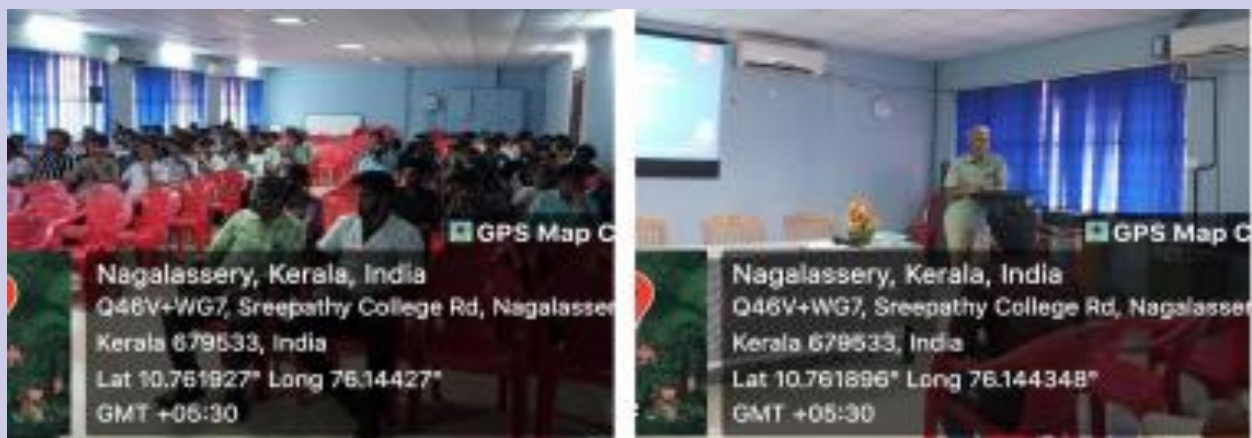
including Fitting, Welding, Ship modeling etc. The design of structure and fabrication stages of ships were briefly explained using scaled models of ships.

After lunch, the feedback and closing session was conducted in which, the placement opportunities were explained and students' doubts were cleared. The Session ended with a vote of thanks by SIMAT Staff members. The team reached back at SIMAT campus at 4 PM.



EXPERT TALK - "THERMAL CYCLES IN POWER PLANTS"

Department of Mechanical Engineering and Mechanical Engineering Association (ARMS) Sreepathy Institute of Management and Technology (SIMAT), Vavanoor, organized a 2-hour expert talk on the topic Thermal Cycles in Power Plants on 05th April 2023 from 10.00 am at Seminar Hall. The session was handled by Er. K. V. Prathapan, ADGM (Retd.), NACL (Neyveli Lignite Corporation Limited), Tuticorin, Tamil Nadu, who is also the adjunct faculty of Dept. of



Mechanical engineering, SIMAT. Session started with context setting by Dr. Ramkumar P N, HoD /ME. This was followed by a welcome note by Mr. Janardanan M K, Administrative officer, SIMAT. The event was attended by 75 Students representing Mechanical Engg. and Electrical Engg. Departments. Staff members from Mechanical Engg. and Electrical Engg. Departments also

attended the event.

Er. K. V. Prathapan began with an introduction to thermal power plants and the jobs and opportunities for budding engineers in power plants. Thermal cycles on which the power plant is operated was discussed in detail and all the essential components of thermal plants were discussed in brief. There were some doubts raised by the students and as well as staff members and all the doubts were well clarified by the vastly experienced Speaker.

The event was concluded at 12 Noon with a vote of thanks by Mr. Krishnan K N, Asst. Prof. ME.

EXPERT TALK – “RESPONSIBLE AI WITH CHATGPT AS THE USE CASE

Department of Computer Science and Engineering has conducted Responsible AI with ChatGPT as the use case on 10th April, 2023. The program started with the prayer by the SIMAT prayer team, it was followed by the dignitaries inaugurating the occasion. Among the dignitaries, the Principal Dr. S. P. Subramanian and Dr. Hema P. Menon HOD CSE, addressed the gathering.

The event was fully organized and conducted by the students of the organization under the guidance of Dr. Hema P. Menon (HOD of CSE department) and Vinitha V. (Asst. Prof, CSE & Faculty Coordinator, Integra).



The event was enthusiastically hosted by Ms. Twinkle (Event Coordinator). Ms. Aiswarya R delivered the welcome speech. Finally, after the inauguration ceremony, the Chief Guest Dr. V



N Krishnachandran presided over an interactive session with the students giving us a brief talk on the topic "Responsible AI with ChatGPT as the use case".

The session by Dr. V N KRISHNACHANDRAN had a huge conceptual understanding of how artificial intelligence works by comparing it with real world application. Students are using ChatGPT to solve home works. Students are using ChatGPT as an

author in one of their publications. He spoke of the pros and cons of the ChatGPT. He Proposed to handle ChatGPT as a tool. After his session was over a debate was held between 4 students: -

1. Mr. Sarath Krishnan (S8 CSE)
2. Mr. Nanda Krishnan (S8 CSE)
3. Mr. Udith Narayanan (S8 ECE)
4. Mr. Siddharth VP (S6 CSE)

After the debate between the students was over there was a voting paper given to students to vote for the best debater among the 4 students. Mr. Sarath Krishnan was voted to be the best debater. He was given a certificate of the best debater. The event came to an end at 12:20pm with a student interaction with the speaker asking doubts and opinions on the topic and it came to an end with feedback of students from different department followed by the vote of thanks being delivered by Ms. Aiswarya R and presentation of a Digital Memento as a Token of Honor to the speaker Dr. V N Krishnachandran.

WEBINAR ON CAREER OPPORTUNITIES IN THE ENERGY SECTOR

Department of Mechanical Engineering, in association with NICMAR Hyderabad organized a webinar for final-year and pre final year mechanical engineering students on career opportunities



in the Energy sector on 10th April 2023. The session was handled by Vishnu Namboodiri. V Assistant Professor, National Institute of Construction Management and Research (NICMAR), The webinar was conducted online mode on Microsoft Teams platform. He elaborated about the current scenario in the energy sector and the career opportunities in the same. The session also included various post-graduation courses available at the NICMAR institution and placement opportunities.

The students also got an insight of opportunities in careers regarding the energy sector and its future scope. The session started at 1.30 pm and ended at 4.00 pm

IN HOUSE SEMINAR ON “IOT APPLICATIONS IN SMART GRID”

ISTE –Staff chapter, SIMAT conducted an in-house seminar on 28th April 2023 on the topic “IOT Applications in Smart Grid” by Ms. Saranya K P (AP, Dept. of EEE) at Seminar Hall. It was purely a theoretical session. The session started at 1.00 pm. Ms. Saranya described the basics of Smart grid. Then she moved into the working of smart grid and its need in the current scenario. She then discussed the various innovative smart grid technologies. The importance of using the Internet of Things in smart



grid was also discussed. She concluded the talk by discussing IoT applications in smart grid. The session was very informative and was concluded at 1:30PM with a vote of thanks by Ms. Anjali Ananthan (ISTE Chairman, SIMAT).

FACULTY ACHIEVEMENTS

- Ms. Praseena K (Assistant Professor ECE) successfully completed one week online FDP on “Big Data And Analytics: Recent Trends, Tools and Technologies” conducted from 17th to 21st April 2023 organized by Department of Computer Engineering, Cummins College Of Engineering For Women, Pune, Maharashtra.
- Ms. Sheharas V U (Assistant Professor ECE Department) successfully completed the NPTEL online certification course “Python for Data Science”.
- Mr. Midhun TM presented a paper titled “Experimental Investigation on Mechanical Properties, Wear Characteristics and Microstructure of A-356-WC, Cenosphere Hybrid Composite” in the international conference on emerging trends in Engineering Science and Technology (ICETEST 2023) on 19th April 2023.

STUDENT ACHIEVEMENTS

- Mr. Sourav Krishna S2 CE represented our college in 5th KTU intercollegiate athletic meet held at Trivandrum
- Mr. Jagadeesan, Mr. Aneesh P S, Mr. Neeraj K, Mr. Vishnu V, (2018-2022 Batch) along with Dr Ramkumar P N (project guide) presented a paper titled “Design and Fabrication of Domestic Waste Management System” in the international conference on emerging trends in Engineering Science and Technology (ICETEST 2023) on 20th April 2023.
- The following Students/faculty have selected their project paper to “IEEE International Conference on Innovations in Engineering and Technology” (ICIET 2023) (Scopus Indexed) to be held in July
 - 1) Mr. K. Nanda Krishnan, Mr. Sarath Krishnan, Ms. Arunima T K, Mr. Athul Nath T K, Dr Hema P Menon, Mr. Jyothis K P and Dr. Davidson Devasia “Med App: An Application for Patients Personal Medical History Maintenance”
 - 2) Mr. Akhil V, Mr. Hareesh R, Mr. Rahul C P, Mr. Yesudas P Y, Dr Hema P Menon and Mr. Sebin Sunny P, “Virtual Fencing To Prevent Human Wild Conflict.”

PROGRAMMES CONDUCTED

- As a part of Annual Techno Cultural Fest “Pravah ‘23”, a Hands on Training Workshop for Drone Building and flying Skills: “Build & Fly” was held on 25th April 2023 by ‘Inspire’ student association of the department of Electronics and Communication Engineering.
