

# SIMAT

## MONTHLY NEWS LETTER



ISSUE NO: 6

JUNE 2021

# WORLD ENVIRONMENT DAY

Nature club of SIMAT in association with NSS of SIMAT conducted various activities during environment day observation. The following activities were conducted

1. Environment day quiz completion
2. Cleaning of surrounding programme
3. Talent search programme
4. Me and My tree



## "KNOW YOUR OCEAN" - WORLD OCEAN DAY WEBINAR

The Program started at 4pm with the welcome speech by Mr. Syam Prasad G (Asst. Prof. ME) and then Ms. Twinkle Domy introduced the speaker. The session was handled by Dr. Sri. Rohit Balakrishnan (Project Scientist, INCOIS, Hyderabad). The session was really interesting and informative. The speaker succeeded in explaining the ocean of knowledge effectively to the listeners within the time limit and participants also cleared their doubts regarding the topics discussed. The session came to end with the feedback session and then vote of thanks by Ms. Arunima T K.



# YOGA DAY

Yoga day was conducted in college by Yoga club of SIMAT in association with NSS unit of the college. On yoga day student performed yoga in their homes. They performed various asanas; this year the topic of yoga day was 'Yoga for wellness'.

A webinar was arranged on 26<sup>th</sup> of June 2021. As a part of National Yoga Day, NSS Unit 233 of SIMAT in association with Yoga Club organized a webinar on "Awareness and Importance of Yoga in Modern Life". The session started at 10 am through Google Meet with



the welcome speech by volunteer, Ms. Vichitra Unnikrishnan and college principal, Dr. Sri. S.P Subramanian inaugurated the program. College administrator Mr. Janardanan M K, Electronics and communication department HOD Sushma M, Yoga club convener Mr. Hithes P, felicitated on the occasion. Volunteer, Ms. Arunima T K introduced the speaker. The session was handled by Yogacharya Swami Sri. Venudas (Yoga Trainer, Paris), He shared valuable information

about the importance of yoga in modern lifestyles. The session was really interesting and informative.



Many students have participated and gave active responses during the program. The session ended up with a vote of thanks by volunteer, Mr. Udhith Narayan.



## INTERNATIONAL EDUCATION & IMMIGRATION PROCESS

The Electrical & Electronics Department association of SIMAT, (Blitz Krieg) organized Sixth Webinar of the ElectroBlitz Webinar series “International Education & Immigration Process” by Mr. James Reji P – Programmer Analyst, CITI Bank, Toronto, Canada.

The webinar commenced with a welcome address by Mr. Ganga P (Asst. Prof. EEE). The webinar was inaugurated by Mr. Renjith P C (HOD- EEE).

In the inaugural session HOD pointed that nowadays more students are going for MS/Research studies in highly reputed foreign universities. After completion they got placements with very high salary and secure their future. A higher study in Reputed Foreign universities is also a great choice for interested students. Vishnulakshmi PP & Sivanath M (Student coordinators, EEE) coordinated the program.

The session was handled by Mr. James Reji P – Programmer Analyst, CITI Bank, Toronto, Canada. –EEE Alumnus of 2009-13. . He explains the International education Process starting from IELTS Academia, Find College, Connect with international student centre & Alumni group, Understand the license requirement & opportunity of course, Offer letter, Acceptance letter received & Fee submission, SOP (Statement of purpose), GPC Account creation & medical checkup, Visa Requirement & other formalities .Also explains the Procedure for international Jobs , PR Requirements, Living expenses, Financial assistances, Part time Job, etc. He cleared all the doubts related to International education & immigration processes, financial expenses, Future placements, license requirements, part time jobs, Living standards etc. He mentioned that every job has its own dignity & respect.

The program ends with a feedback session and presentation of a Digital Memento as a token of Honor to Mr. James Reji P which was presented by Rejaneesh R – Assistant Professor – EEE Department. Mr. Terinshim (Student coordinator) delivered the vote of thanks.



# WEBINAR SERIES –‘UNRAVELLING TECHNOLOGIES OF THE FUTURE ’

## TALK 1: “BENEFICIAL AI FOR HUMANITY”

CLEMENTIA, the students’ association of the department of Computer Science and Engineering, SIMAT, is organizing a sequence of talks under the webinar series titled ‘Unravelling Technologies of the future ’.

The first talk of this series was on “Beneficial AI for Humanity” and was held on, the 4<sup>th</sup> of June, via Google Meet platform from 3:00 pm to 4:00 pm. The session was delivered by, Dr. Sowmya V, Assistant Professor (Sr. Gr), CEN, AMRITA, Coimbatore.



The session was highly informative as the speaker threw light on how AI is gradually taking over tedious and repetitive tasks, thereby saving human hours which can be invested in other innovations. Dr. Sowmya also guided the students by sharing the steps to become an AI engineer. Data Science, Machine learning and mathematics were some of the inevitable aspects of development in the field of Artificial Intelligence. She also shared details of platforms where students can pursue their career in AI. Projects developed by students in different parts of India were included as examples to eliminate the false notion that research and development in Artificial Intelligence were carried out only by developed countries and by big names in the industry. The speaker had also keen on answering queries by the students and other participants in the meeting

## TALK 2: “WORLD’S POWERFUL CURRENCY”

The second talk of this series was on “World’s Powerful Currency” and was held on 25<sup>th</sup> of June, via Google Meet platform from 6:00 pm to 7:00 pm. The session was delivered by Mr. Avinash Krishnakumar, Cloud Architect, Center of Excellence Team, Oracle, Bangalore. Mr. Avinash is a Computer Science graduate from NSS Engineering College

Palakkad and completed his MBA in Marketing & International Business from University of Applied Science, Germany.

The speaker started with and carried on a very interactive session. He emphasised on the importance of data in today's scenario. He also gave very useful tips and explained to students the different platforms where they can learn data science and get certified. The speaker assured of a glamorous career in the field of data science. He also talked about how various



e-commerce and social media sites share user data and the effect of this data sharing on the user. Mr. Avinash also explained the usefulness of tools like Tableau, PowerBI and Oracle Analytics Cloud.

### TALK 3: “STARTUP: CHALLENGES AND OPPORTUNITIES”

INSPIRE, the students' association of the Department of Electronics and Communication Engineering, SIMAT, is organizing a sequence of webinars and workshops. The aim of these events is to improve the skills and talents of students along with their academic career.



The third talk of this webinar series was on

“Startup: Challenges and Opportunities” and was held on Saturday, the 5<sup>th</sup> of June, via Google Meet from 4:00 pm to 5:00 pm. The session was delivered by Shyam Kumar (Alumnus, SIMAT ECE 2014-18) CEO, Growtips BDC, Bengaluru, Akshay A N (Alumnus, SIMAT ECE 2014-18, Manager, Growtips BDC, Bengaluru, Sivadas M - Tech Head, Growtips BDC, Bangalore and Ameen TS, Strategic Adviser.

The speakers discussed how they built their own venture, the challenges they faced and the learnings they gathered from their journey of starting up. The webinar discussed

at length major policies for the Startups, Startup registration, funding support to Startups, investible sectors, the prospective funding and support opportunities in the changed scenario, the sudden shift to ‘work from home’ model, ways in which Startups could step-up and address COVID-19 challenges. Speakers also shared a career guidance session

## TALK 4: “REMOTE SENSING AND IMAGE INTERPRETATION”

The 4<sup>th</sup> talk of this webinar series was on “Remote Sensing and Image Interpretation” and was held on Friday, the 11th of June, via Google Meet from 3:00 pm to 4:00 pm. The session was delivered by Mr. Bhanu Prakash M (Alumnus, SIMAT ECE 2013-17) M. Tech in Remote Sensing and GIS Indian Institute of Remote Sensing IIRS, Indian Space Research Organization, ISRO Dehradun, India.

Webinar 4 of ECE Association

SREEPATHY INSTITUTE OF MANAGEMENT AND TECHNOLOGY VAVANOUR, PALAKKAD

INSPIRE

Remote Sensing and Satellite Image Interpretation

Mr. Bhanu Prakash M.E.  
ECE Alumnus 2013-17 batch  
M. Tech in Remote Sensing and GIS,  
Indian Institute of Remote Sensing,  
Indian Space Research Organization, Dehradun, India

Register now!  
<http://bit.ly/eceinspire4>

Student Coordinators:  
Mr. Midhun Monan C. (SB ECE)

Staff Coordinators:  
Mr. Sugesh M. S. (Asst. Prof. in ECE Dept.)  
Mr. Nishanth P. (Asst. Prof. in ECE Dept.)  
For any queries, mail us at <webinarhost@simat.ac.in>

Friday, JUNE 11 2021  
3PM-4PM

The webinar helped to gain knowledge about Remote sensing and Image processing techniques. The speaker discussed about radar and optical remote sensing systems. He then emphasised on Satellite Era and how to download satellite data freely. He also discussed about Google Earth Engine. The session was very informative.

## “MAGICAL GLITTERS”

The 5<sup>th</sup> event conducted by INSPIRE was “Magical Glitters” and was held on Saturday, the 19<sup>th</sup> of June, via Google Meet from 3:00 pm to 4:00 pm. The session was presented by Mr. Suresh Kumar M, Magician, Maasmara Magic Academy and Mr Vaishak S, Magician (Student of SIAS). The session was an entertaining magic show performed by two renowned magicians.

SREEPATHY INSTITUTE OF MANAGEMENT AND TECHNOLOGY VAVANOUR

Electronics and Communication Engineering Association - INSPIRE presents

MAGICAL GLITTERS

Mr. Suresh Kumar  
Magician,  
Maasmara Magic Academy

Mr. Vaishak S  
Magician,  
Student (SIAS)

JUNE 19 3 PM  
Google Meet

Register Here : <http://bit.ly/eceinspire5>



Magic show was presented as a video that contained many mesmerizing performances. Magicians shared their experiences and also taught some tricks in magic to the participants.

## M-POWER WEBINAR SERIES

### “COMPETITIVE EXAMS AFTER B. TECH”- WEBINAR 3

Association of ME Department conducted its 3<sup>rd</sup> webinar of the webinar series “M-Power” on 6th June 2021 (Sunday) at 10 am in Google Meet Platform.

The speaker Mr. Jomy P L is an educationalist and career expert with more than 25 years of experience. He is the director of two educational institutions: “Sensorium Centre for Competitive Exams” and “IMS Learning Centre” based at

Thrissur. He has got ample experience in training students for various entrance exams like CAT, GMAT, GATE, JAM etc. He also authored many books and handles career columns for Malayala Manorama.

The speaker started with the importance of being optimistic in the kind of exposure that B. Tech students are going to get after the course, compared to other degree courses. He explained what a student is being tested for, during campus placements. The students got a good knowledge on various central govt organizations, where the students can apply for job as well as for higher studies. Also, details about GATE examination and various organizations accepting GATE score for job as well as higher studies were explained very well. The speaker also highlighted the opportunities in foreign universities for engineering graduates. The students also had a very useful glance through various competitive exams like SSC, IES, MAT, RRB, UES, JAM, CSIR NET etc.



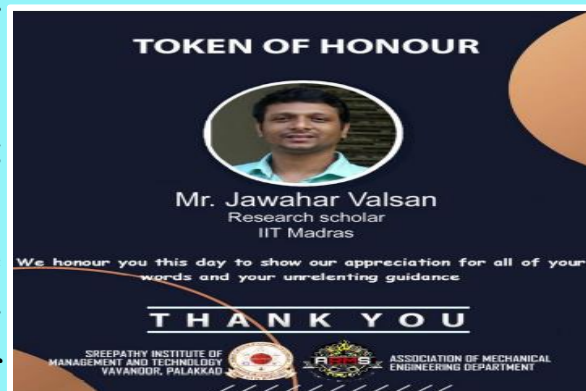


## “SUSTAINABLE DEVELOPMENT: CURRENT TRENDS IN HARNESSING SOLAR ENERGY” WEBINAR 4

The speaker Jawahar Valsan is a research scholar at IIT Madras. He has conducted research on thermal power laboratory, IIT madras and has also performed research in the field of heat transfer. He has immense knowledge in the field of solar thermal power technologies and storage of solar energy. He is currently researching about the development of thermal energy storage for concentrated solar thermal power applications. He has also published his research works in international journals and has attended many international conferences related to solar power technologies.

The speaker started the session by explaining the current scenario of solar energy in India, as well as about the global energy scenario. The speaker highlighted the importance of solar energy and explained the various ways of harnessing solar energy. The functioning of various types of solar thermal power plants and associated harnessing devices were explained in detail. He also addressed about the current technologies used for harnessing solar energy and also gave an insight about the possible changes that could occur in the current scenario.

The session ended by 11:10 am. The speaker ended his session giving his insights about researches and also informed students about scope of research and various research topics in IITs which many are not aware about. The speaker was honoured by handing over the token of honour by Mr Syam Prasad G (Asst. Professor ME). The webinar came to end with a vote of thanks by Mr Aravind P (S8 ME).



## “XLENCY SERIES”

### TALK 2 - “HACK HAPPINESS: OPTIMIZE YOUR LIFE FOR A HAPPIER LIFE”

The second webinar on “XLENCY Series” was on the topic “Hack happiness: Optimize your life for a happier life” and was held on 10th June 2021 from 5:00 pm to 6:30 pm through Google meet platform. The session was handled by Mr. Rohith E, a personal growth enthusiast, who is currently a student of S6 CSE. During second year of college he got into psychology and different aspects of personal growth and later, started sharing things he learned and experienced from his own life and from the lives of others through visually pleasing content. He moved on to more advanced personal growth practices like Lucid Dreaming and Dynamic Meditation and started helping others with their meditation practice. He is also a part of a small community called Lighter Community which was launched at the beginning of the pandemic.

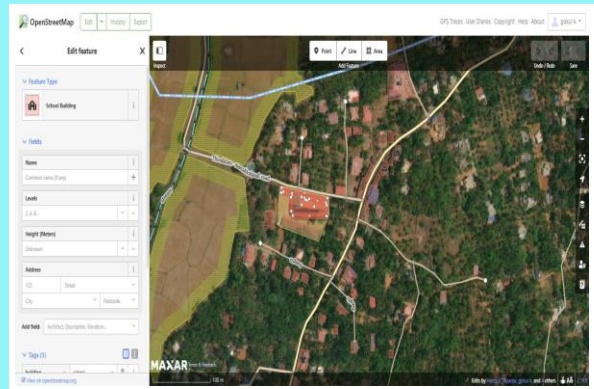
The session was aimed to motivate and make the participants happier. The speaker constantly interacted with the participants throughout the talk. He emphasized on the benefits of being happy, also explained the four aspects of happiness- experience, meaning, forgiveness and gratitude. The speaker enthusiastically explained concepts, relating those to his personal experiences, talking about the ups and downs in his own life.



## OPEN STREET MAPPING PROJECT

Open Street Map (OSM) is a collaborative project to create a free editable map of the world. The creation and growth of OSM have been motivated by restrictions on use or availability of map data across much of the world, and the advent of inexpensive portable satellite navigation devices. The NSS Unit 233 of SIMAT with the support of trained volunteers completed a project on OSM mapping in association with APJAKTU NSS Cell and Kerala IT Mission. Selected volunteers mapped details of amenities in their panchayat

such as schools, Hospitals, Government offices, Ration shops, Libraries, etc and volunteers also took help from panchayat in collecting details of their assigned boundaries. The mapping procedures were completely done by following Covid protocols and volunteers from containment zones were instructed to proceed project from their houses itself.



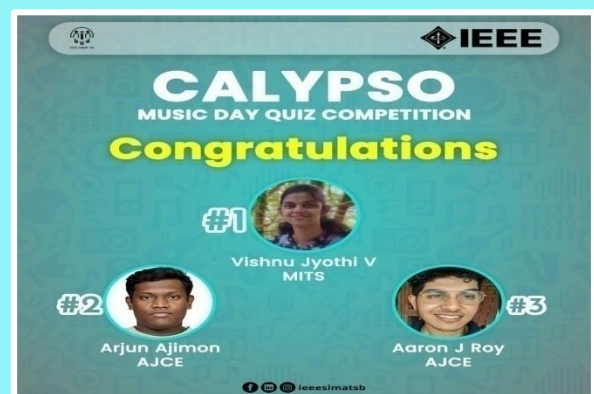
## FERAL PATH

FERAL PATH was a crossword contest conducted by IEEE SB SIMAT and WIE AG IEEE SB SIMAT on the topic ODE TO ENVIRONMENT as a part of Environmental Day Celebrations 2021. The programme was conducted online platform (Amuse Labs) on 06<sup>th</sup> June 2021 from 07:00 pm to 07:35 pm. The event was conducted to provide insight to the topic ODE TO ENVIRONMENT. This is done to increase the ability to tackling tricky puzzles. This would give an increased knowledge on Environment, development of skills required to crack puzzles.



## CALYPSO: QUIZ COMPETITION

IEEE SB SIMAT, in connection with World Music Day has conducted a Quiz Competition 'CALYPSO' on 21<sup>st</sup> June 2021 at 7pm. 37 students actively participated in this competition, and they got the result immediately after finishing it. The quiz was conducted through Google form. The students enthusiastically participated and showcased



their brilliance by rapidly answering questions. A total of 3 participants were selected as winners in this quiz.

## INTRODUCTION TO IEEEEXTREME

IEEE SB SIMAT has conducted a webinar on the topic Introduction to IEEEEXTreme on 13th of June 2021 at 6:30 PM to 7:30 PM through Google meet. The participants achieved a basic idea about IEEEEXTreme. It will help to achieve a global challenge in which teams of IEEE Student members advised and proctored by an IEEE member, and often supported by an IEEE Student Branch competes in a 24-hour time span against each other to solve a set of programming problems.

## LIBRETTO: LYRIC WRITING CONTEST

IEEE SB SIMAT, in connection with World Music Day has conducted a Lyric Writing contest 'LIBRETTO' on 21st June 2021. 7 students actively participated in this competition, and they got the result immediately. The Lyric writing contest was conducted through Google form. The SB decided a theme for the contest. The theme of the contest was 'Yathrakal '. It was expected with uniqueness and memorable lyrics and language used for Malayalam.



## REPORT ON TABLEAU

TABLEAU was a photo caption contest conducted by IEEE SB SIMAT and WIE AG IEEE SB SIMAT on the occasion of International Women in Engineering Day celebrations 2021. The program was conducted online platform from 24<sup>th</sup> June 2021 from 10:00 pm. This program was conducted to achieve





gender inequality. It's used to improve increased creativity and imaginative capability. This program would give an increased knowledge on Women in STEM and their inventions.

## **STUDENT'S ACHIEVEMENTS**

### **PUBLICATIONS**

- ❖ Ms. Gopika , Ms. Haritha H., Ms. Sabira Reshni I.K, Dr. Hema P. Menon - “AUTOMATIC PREDICTION OF DEPRESSION AND ANXIETY” , International Journal of Current Engineering And Scientific Research (IJCESR), Volume-8, Issue-6, ISSN (Online): 2394-0697, ISSN (Print): 2393-8374, pp - 109 -118, 2021
- ❖ Ms. Archana.S, Mr. Abijith B, Ms. Anjana G. Nair. , Ms. Shahanas A. T., Dr. Hema P. Menon - “LANDSLIDE DETECTION AND PREDICTION USING LUBE AND PSO GSA”, International Journal of Current Engineering And Scientific Research (IJCESR), Volume-8, Issue-6, pp -135 -141, ISSN (Online): 2394-0697, ISSN (Print): 2393-8374, 2021.
- ❖ Ms. Jasna P. S., Ms. Aiswarya M. K., Ms. Krishnapriya K.V., Ms. Sisira P.C., Ms. Jayasree N. Vettath - “D-PREDICT: DISEASE PREDICTION USING GAUSSIAN NAIVE BAYES ALGORITHM”, International Journal of Current Engineering And Scientific Research (IJCESR), Volume-8, Issue-6, pp -148 - 157, ISSN (Online): 2394-0697, ISSN (Print): 2393-8374, 2021.

### **WEBINARS**

- ❖ Mr. Rohith E, S6 CSE, delivered a talk on “Hack happiness: Optimize your life for a happier life” in the webinar series “XLENCY SERIES” conducted by the department.

### **INTERNSHIPS**

- ❖ Ms. Uma Parvathy M M (S8-EEE) successfully completed Internship with Society for Space Education Research & Development as a Research intern in the Project titled “Design of a Mars Ascent Vehicle”.

## STAFF ACHIEVEMENTS

- ❖ **Prof. Sushma M** successfully completed a 5 day AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Short Term Course on Innovative Pedagogical Practices in Higher Education" conducted by Lovely Professional University.
- ❖ **Mr. Adithyan K.** attended an FDP on "Deep learning for image & Video Applications" sponsored by APJAKTU, conducted by Dept. of ECE, LBSCEK
- ❖ **Mr. Jyothis K.P. & Ms. Sreeshma K.** attended a webinar on “OpenStack - Multiple possibilities, One Platform”