

# SIMAT

## MONTHLY NEWS LETTER



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## “ENACTMENTS THAT EMPOWER WOMEN”

To enlighten women’s regarding enactment that supports women empowerment, Women cell SIMAT organized a webinar on Friday, 2<sup>nd</sup> April 2021 at 5.00 pm through the Online Platform Google Meet. Speaker of the program was Smt. Adv. Fahmida Sherin P P, LLB, LLM, double specialization in business law and criminal law, currently practicing in Manjeri bar association.

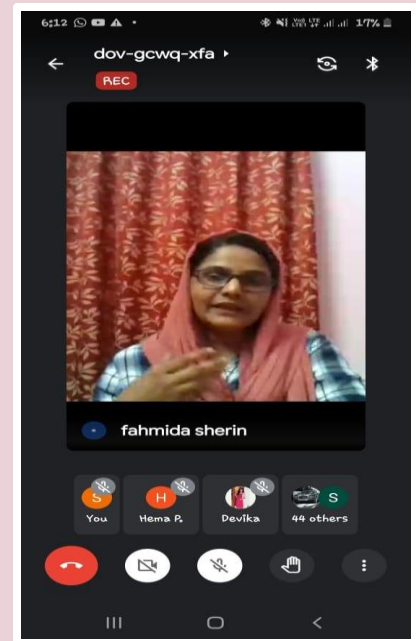
Kumari. Haritha H, women cell student coordinator welcomed the Guest including students, academicians across the state. Smt. Dr. Hema P Menon, HOD CSE inaugurated the event. During the inaugural speech Smt. Dr. Hema P Menon, emphasized the need of knowledge in enactments supporting women.

The guest of honour, Smt. Fahmida Sherin explained about various laws that support women. She started the talk by defining empowerment. Women empowerment implies the ability in women to take decisions with regard to their life and work and giving equal rights to them in all spheres like:

personal, social, economic, political, legal and so on .The principle of gender equality is enshrined in Indian constitution in its preamble, fundamental rights, fundamental duties and directive principles. The constitution not only grants equality to women, but also empowers the state to adopt measure of positive discrimination in favour of women. Further she briefly explained about the following legal and constitutional provision for women in India.

Speaker listed and explained the crimes Identified under the Indian penal code (IPC) and the crimes identified under special laws (SLL).

The session also included an interactive session. Women Cell Advisor Smt. Prof. Sushma M. (HOD, ECE) presented the Digital Memento as a Token of Honour. Kumari. Suhaliath T K, women cell student coordinator, delivered the vote of thanks. Event enthusiastically hosted by Kumari. Vishnulakshmi P. P. and was coordinated by Smt. Aswathy P. G. The e-certificate of event was distributed within minutes to all participants who successfully filled the feedback form after the completion of the event.



## WEBINAR ON

### “PROSPECT OF CLEAN ENERGY FROM THE OCEAN”

On 13<sup>th</sup> of April 2021, IEEE SIMAT SB in association with IEEE PES Kerala chapter has conducted a webinar on the topic Prospect of clean energy from the ocean at 11.30 pm through vtools WebEx. A total of 95 participants took part, it includes 60 IEEE members and 35 non-



IEEE members. We are very grateful for having Prof. (Dr) Omar Bin Yaakob (Marine Technology Centre, University Technology Malaysia, Johor Bahru Malaysia). The participants achieved basic ideas about clean energy from the ocean. The session was regarding the ocean Renewable energy.

## WEBINAR ON "RENEWABLE ENERGY TRENDS"

On 18<sup>th</sup> April 2021, a webinar on Renewable energy trends and opportunities was conducted by IEEE SIMAT SB in connection with PES day from 06:30 pm through vtools WebEx. A total of 67 students participated in the webinar, out of which 37 were IEEE members and 30 were non-IEEE members. The program commenced with a welcome speech by Ms. Medha Vasudevan (program coordinator). Mr. Venkitesh MP (Treasurer) role-played the moderator. The session was handled by Ms. Preethy (IEEE senior member, IEEE impact creator, Siting Engineer, Vestas Wind Technology India). The participants achieved a basic idea about renewable energy trends and opportunities. The participants were very thankful for the informative and inspiring session. Mrs. Sushma M (Branch

Counsellor, IEEE SIMAT SB) shared her thoughts about the session. The webinar ended up with a vote of thanks by Ms. Merin Ajay (vice secretary, WIE).

## PHOTO CAPTION CONTEST

As a part of Students Humanitarian Technology Conference organized by IEEE Kerala Section SIGHT in association with IEEE LINK and IEEE SIMAT SB has conducted a Photo caption contest on 17th April 2021 at 7:00 PM through Google forms. The theme of the contest was "Technology to advance humanity". 17 IEEE members and 19 Non – IEEE members participated in the contest. The winner of the contest was Reshma B, from LBS Institute of Technology for Women.



*Glimpses of the event*

## CLOUD ENGINEER PROGRAM

A study jam to onboard students to the third Google Associate Cloud Engineer program was conducted on 24<sup>th</sup> April 2021. The programme was jointly organized by IEDC SIMAT, Advanced Skill Development Center and Google. The event was inaugurated by Sreelakshmi (Programme Manager, ASAP). She explained the opportunities and course structure of the programme.

Students were assigned a quest in Qwiklabs. Students who successfully complete the quest will be eligible for

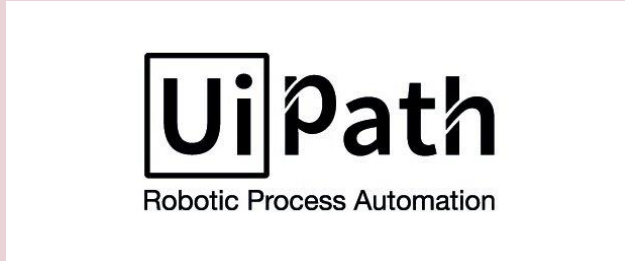


USD 400 scholarship provided by Google. The second session was handled by Mr. Sebin Sunny P. In the second session an overview of Qwiklabs was provided. Walkthrough of different labs was conducted and students got familiarized with different quest labs. As a motivation to study courses based on cloud computing IEDC SIMAT awarded 50 USD for all students to study different future technology courses using Qwiklabs.



## WORKSHOP ON ROBOTIC PROCESS AUTOMATION

A workshop on Robotic Process Automation was conducted on 25th April 2021. The programme was organized by IEDC in association with UiPath. Robotic process automation is a form of business process automation technology based on metaphorical software robots or on artificial intelligence /digital workers. It is sometimes referred to as software robotics. The workshop sessions were handled by Mr. Sugesh M S (AP, ECE) and



Mr. Sebin Sunny P (AP, EEE). In the first session basics of RPA was discussed. Opportunities of RPA, current usage of RPA, basic platforms used in RPA etc were discussed in the first session. The

second session was a hands on session in which sequences, click activity, file movement, pdf automation etc were familiarized. In the third and last session students were given familiarization on data scrapping, web scrapping and email automation.

## INTERNSHIP ON OSM MAPPING (22/04/2020 – 27/04/2021)

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 organized a 5 days training session on OSM mapping in association with APJAKTU NSS Cell and Kerala IT Mission.



The first day of the internship started with the Manavageetham via Google Meet and the inaugural session began with the welcome speech by Mr. Syam Prasad G (Program Officer,



NSS Unit 233 SIMAT). The program was inaugurated by Dr. Joy Varghese V M (Program Coordinator APJAKTU NSS Cell) followed by the felicitation speech by Mr. Ratheesh (Mapathon State Coordinator) and Mrs. Jayasree N Vettath (Associative Program Officer, NSS Unit 233 SIMAT). The inaugural session ended with the vote of thanks by Suhailath T K. The training sessions were handled by Mr. Sachin M (OSM

Mapper, TKM College of Engineering, Kollam) and Mr. Nishanth S (OSM Mapper, Sree Budha College of Engineering, Alappuzha). The first day of the internship gave students an idea about OSM mapping and trainers discussed the schedule of internship program. The session ended with the National anthem.

The second day of the internship started at 4 pm with the Manavageetham via Google meet. The trainers revised last day topics and then started the second day training. During the training students were allowed to ask questions as well as to interact with the trainers. The second day of the training gave students an idea about mapping roads and areas in the OSM and about certain rules that must be followed while mapping is also discussed.

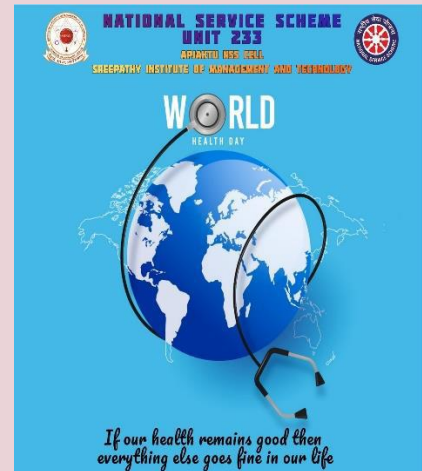
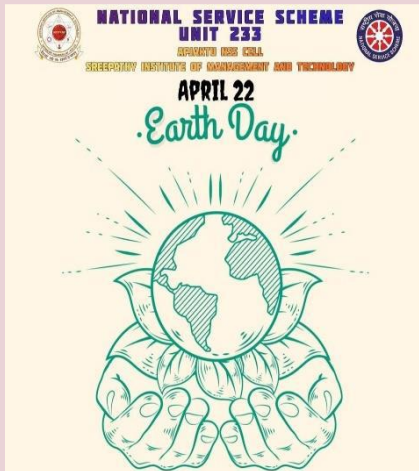
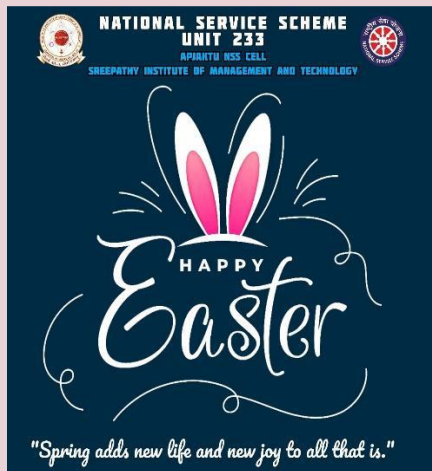
The third day of the internship started at 4 pm with the Manavageetham via Google meet. As similar to previous days, trainers revised the last day's topics before starting the training session. During the session, trainers discussed about establishing tags and overcoming mapping difficulties in OSM, and the trainers also gave assignments to the students for getting practical experience in



OSM mapping. The session was really informative and students have actively responded to the trainers.

The fourth day of the internship started at 4pm with the Manavageetham via Google meet. The trainers began the session after revising the last day's topics and they shared information about mobile applications built for ease and live OSM mappings like Mappillary and OSM tracker. The fourth day of the session gave students an idea regarding the usage of OSM mobile applications for better tracking and mapping in OSM. Students were also requested to share screenshots of their trackings using the OSM tracker.

## NSS UNIT 233 OF SIMAT - DAY OBSERVATIONS



## STUDENT ACHIEVEMENTS

- ❖ Venkitesh M P: Documentation volunteer, IEEE Professional Activities Committee, Second prize, COMPQ Quiz – Third prize, IEEE PES Day quiz – Campus Ambassador, Road to Robotics RAS Kerala Chapter
- ❖ Merin Ajay: Campus Ambassador, Origo by SPS chapter ASIET –Campus Ambassador, Road to Robotics RAS Kerala Chapter
- ❖ Sreeram M S: Campus Ambassador, Road to Robotics RAS Kerala Chapter
- ❖ Gayathri Suresh: Campus Ambassador, Road to Robotics RAS Kerala Chapter
- ❖ Sivanath V: Campus Ambassador, Road to Robotics RAS Kerala Chapter

- ❖ **Sreenath K V: Campus Ambassador, Road to Robotics RAS Kerala Chapter  
Campus Ambassador, SHTC by IEEE SIGHT Kerala Section**

## **FACULTY ACHIEVEMENTS**

- ❖ **Mr. Sebin Sunny P completed Consultancy Project on Come & Code India by CILIP Foundation.**
- ❖ **Mr. Sebin Sunny got a Microsoft AI Grant US\$ 10000 to Promote & Coordinate education in Rural Kerala**

