Criteria 6:

Governance, Leadership and Management

6.3.3 Faculty Empowerment Strategies

Annual reports highlighting the programmes undertaken by the teachers

Report for the period

July 2021 – June 2022

SCMS SCHOOL OF ENGINEERING AND TECHNOLOGY

Report for the period

July 2021 – June 2022

July 2021

Staff Achievements

Dr. Vidya Chandran Associate Professor, Department of Mechanical Engineering published an article on In-Line and Cross-Flow Response Interactions during Vortex Induced Vibration of Marine Risers in Marine Engineers Review in June 2021.

Ms. Jane Theresa was the resource person for the session "Essential Soft Skills to have a Successful Life" during the online talk organized by Global Education and Training Institute, Lucknow.

Ms. Divya M.S talked on the topic "Learn with Fun: Interactive games to make the online class effective" during the online talk organized by Global Education and Training Institute, Lucknow.

NSS Activities

NSS unit of SCMS School of Engineering and Technology organized a session on Yoga Demonstration as part of International Yoga Day by resource person Mr. Rajesh Chembat, certified Yoga Trainer from Trissur.

Placement Activities

Batch 2017-2021 gets more offers

PKJ Technologies: 4,
Geo Foundation & Structures Pvt. Ltd.: 2,
Accenture: 5,
South Indian Bank: 7
SPERIDIAN TECHNOLOGIES: 4
Mu Sigma: 3
AttraInfotech Pvt. Ltd.: 1
Emvigo Technologies: 1
UST: 9
Hexaware Technologies: 1
TCS: 3
Pearldata Direct Pvt. Ltd: 4

Companies that contacted us for placements.

SFO Technologies Pvt. Ltd.,
VRIZE,
BYJU'S (Student Success Specialist)
CSS Corp-tech support role
Sagarsoft India Ltd.,
Growth Source Financial Technologies
Sinergia Media Labs LLP
Chillar Payments Solutions Pvt. l.td
Inspirisys Solutions
Veritas Prime Labs

Core companies like O/E/N India Limited, Indus towers, Hubbell also approached us.

For Batch 2018-2022 Cognizant, Musigma, Quest Global have asked dates to conduct placement drives, Virtuasa international placements through KTU, Soti

Batch 2018-2022 registered for TCS Ninja

Konfidence group resumes training for the TCS recruitment. (BTECH, MTECH, MCA)

Intershala selects Aswin Pushkar 2019 for internship with United Nations Volunteers.

August 2021

DEPARTMENT ACTIVITIES

Alumni talk

An alumni talk for the undergraduate students of Mechanical Engineering department was held on 18th August 2021, on Google Meet 10:00 am to 12.00 noon. We had our proud alumnus as the speaker, Mr. Rohith R (2009-2013 batch). He is a multitalented student and is working as Project Engineer in NGC Transmissions China. This webinar helped in guiding our undergraduate students to pursue career in Renewable energy sector.

SCMS School of Engineering and Technology, Karukutty signed a Memorandum of Understanding with Wave Electronics (P) Ltd, Kizhakkambalam for promoting industry academic interaction activities .The MoU was signed between Prof.Pramod P Thevanoor ,Vice Chairman, SCMS Group of Educational Institutions and Mr.Jayan C.B ,Executive Director,Wave Electronics Pvt Ltd.Prof S Gopakumar, Group Director, SCMS Group of Educational Institutions, Dr. Praveensal C J, Principal, SCMS School of Engineering and Technology,

Dr. Jayanand B, Head of Department, Electrical and Electronics Engineering, SCMS School of Engineering and Technology and Mr. Chacko P I, Managing Director, Wave Electronics Pvt Ltd were present on the occasion. Wave Electronics is the market leader in the manufacture of Industrial Battery Chargers, Marine Control Systems, Navigation Light Indicator Panels, Generator Automation, and Automatic Power Factor Correction Control Panels. They produce high quality, performance tested, and fully certified control systems that provide a stable operation. Through this MoU, the Faculty and Students of SCMS School of Engineering and Technology can actively involve in the process of design and testing of the battery chargers and control panels.

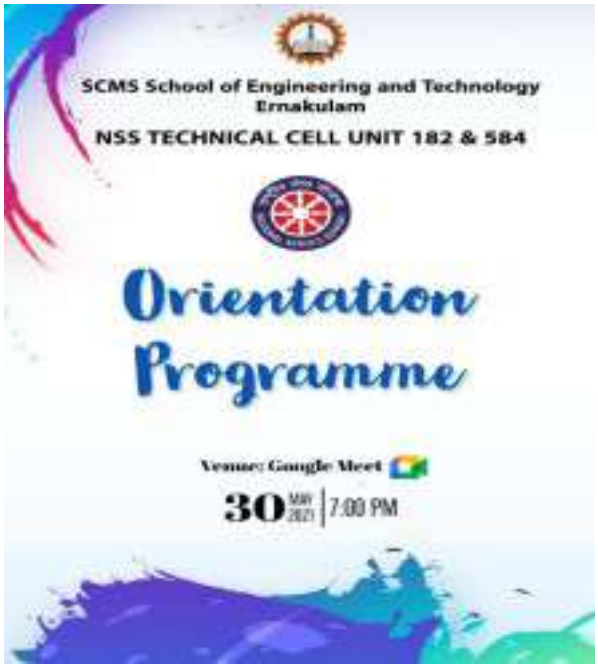
Basic Science and Humanities Department of SCMS School of Engineering and Technology had organized an online live talk on “Breakthrough innovations that transformed the world” by Dr. Poornima N., Assistant Professor, Department of Physics, St. Paul’s College, Kalamassery, through google meet on 14 th August 2021. Speaker gave good ideas on the history, developments and the basic concepts of relevant innovations in Physics like Laser, Computer, Nanotechnology etc.

NSS ACTIVITIES

ORIENTATION PROGRAMME

NSS Orientation programme for the newly enrolled volunteers for the year 2021-2022 was conducted on 30th May 2021 by programme officers of SSET, Mr. Sujay K, and Rakesh A. The meeting was held on google meet and lasted for about two hours with the active participation of around 180 volunteers.

The session was all about NSS programmes, activities, ongoing projects, camps, and the adopted village. A few volunteers shared their experiences and expectations about NSS. It was really an interesting session and volunteers were very enthusiastic about their journey as NSS volunteers.



DHARITHRI (ധരിത്രി)

Date: 5th, 6th, 7th June 2021

Venue: Google Meet

NSS volunteers of SSET organized a 3-day program as a part of World Environment Day. Various competitions were held to bring out the creative talents of the students. There were competitions like plastic recycling, extempore, debate, poster making, mimicry, poster designing, etc. There was massive participation from the student side. A google meet was conducted on the 7th of June to declare the results of the competitions. Some of the creative works were shown by screen sharing. Collectively the session was very refreshing and entertaining.

VAIKHARI (വൈഖരി)

An interactive discussion was organized by the NSS panel of SSET to encourage the volunteers to come forward and share their ideas and opinions about "kalyanam (kachavadam)." The meeting was held on 26 June 2021 at 7 PM via Google Meet.

The session mainly focused on volunteers sharing their thoughts on the dowry system and its current scenario. The guests of honor also shared their views in this regard. The meeting lasted for about 2 hours. Based on the opinions shared the best performer was selected.

Altogether the session was enlightening with the participation of all the volunteers.

ORIENTATION PROGRAM BY PANEL MEMBERS - SESSION 1

The NSS panel conducted an interactive session for the newly enrolled NSS volunteers for the years 2021-2022. The meeting was held on Google meet and lasted for 2 hours with the participation of around 62 volunteers.
The session was all about panel members introducing themselves, discussing the working of an NSS unit, ongoing projects and activities, and sharing their experience in NSS.

ORIENTATION PROGRAM BY PANEL MEMBERS - SESSION 2

For the newly enrolled NSS volunteers of the years 2021-2022, an interactive session was conducted on the 2nd of July via Google Meet by the NSS panel. Around 84 volunteers participated in the meeting that lasted for 3 hours.
In this session, all the volunteers introduced themselves, shared their views, expectations and what made them want to be a part of NSS. Some of them shared their previous experiences in NSS and the social activities they have done. They also suggested some project ideas.

ORIENTATION PROGRAM BY PANEL MEMBERS - SESSION 3

The 3rd session of the orientation program by panel members was conducted on 3rd July 2021 via google meet with a participation of around 67 volunteers.
It was a talent show to bring out the best in our volunteers. The event gives a platform for our volunteers to express their talents in any of the fields. There was active participation from our volunteers and it was an entertaining session.

SSET - IQAC

On the completion of the 1 year of Transformative reforms under New Education Policy(NEP) - 2020, as proposed by AICTE, The SSET - IQAC organised few webinars based on various theme.

The webinar series started on 2nd August from 3pm on the theme Multidisciplinary & Holistic Education by Ms. Divya M. S., Asst. Prof., Department of Basic Science & Humanities, SSET.

The theme for 3rd August was Skill, Entrepreneurship Development & Employability: Challenge and Opportunities. Mr. Nihal Pradeep, CEO, Director & Co-Founder, Dartle, Roninaks Ventures Pvt. Ltd. was the speaker of the day. On the same day Mr. Prasad Balakrishnan Nair, Former CEO, Maker Village also spoke on the same theme.

On 4th August, Mr. Jith Jayanand, Assistant Director Physical Education, spoke on the theme Effect of NEP on Youth Empowerment & Sports Development.

The theme for 5th August was Indian Knowledge System, Languages, Arts & Culture. Ms.Jane Theresa, Assistant Professor of Basic Science and Humanities talked on the relevance of traditional knowledge systems and the importance of ancient wisdom in contemporary times.

On 6th August Dr. Asha Elizabeth, Professor , Division of Electrical Engineering, CUSAT, spoke on the theme Quality Education, Accreditation & Teacher Development.

Dr. Radhakrishnan G Pillai, Associate Professor, Department of Civil Engineering, IIT Madras talked on the theme Research and Innovation on 9th August.

On 10th August , Ms. Nisha S Raj, Assistant Professor of Computer Science and Engineering Department spoke on the topic Use of Technology in Education.

Staff Achievements

Dr.Gibin George, Assistant Professors, Department of Mechanical Engineering published an article on "Microscopic Characterization of Eco-friendly Lokta Paper." in the journal *Microscopy and Microanalysis* 27, no. S1 (2021): 720-721.

The KSP talk on “Disaster Prevention and awareness education using simulation and gaming” was delivered on 7th August by Ms. Suja C Nair Jacob, Assistant Professor, CSE.

Student’s Achievements

Amal Rajesh S4CS1 selected as star Mr.Face of India 2021 contest held at jaipur on 1st August 2021

Placement Activities

The placements for batch 2017-2021 updated at 153 placed and 264 offers.

Companies that recruited are Infosys, H&R Block, Dexlock, Experion Technologies, InnovatureLabs, TCS, Gadgeon, ImageInfoSystems, Byjus, Prodapt Technologies, Redblack Software, Quest Global, TOA Software Japan, IBM, Envestnet, Suntech, Mindtree, Mphasis, PKJ Technologies, Geo Foundation & Structures Pvt. Ltd., Accenture, South Indian Bank, Speridian Technologies, Mu Sigma, AttraInfotechPvt. Ltd., Emvigo Technologies, UST, Wipro, Hexaware Technologies, Suyati Technologies, Pearldata Direct Pvt. Ltd, Ford, Sutherland.

Placements season for batch 2018-2022 starts with Infosys followed by Soti, Quest Global, Musigma, Cognizant, Mar Labs, Litmus7, IBS Software, have approached for placement drives.

Rahul Mohan of semester 6 Computer Science branch is the first student to be offered placements with Infosys through Hackwithinfy contest.

Webinar - Orientation on Overseas Education conducted by Santamonica Study Abroad Pvt. Ltd.
was organized by the placement cell for batch 2018-2022 on 24th August 2021 which saw the participation of 25 students. The feedback received was very positive and the need to organize
more such events were requested.

SEPTEMBER 2021

DEPARTMENT ACTIVITIES

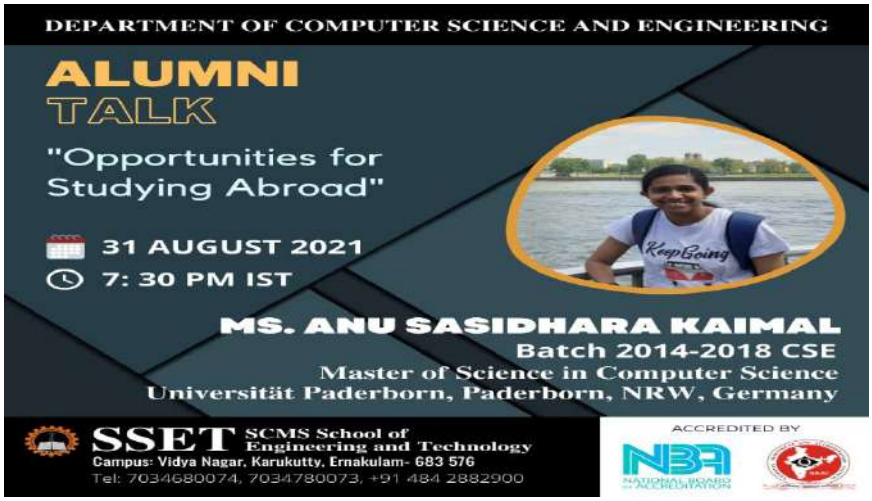
Department of Electronics and Communication Engineering, SSET conducted a three-day online workshop on Arduino and Tinkercad for S2 ECE students from 14th-16th SEPTEMBER 2021.
Department of Electronics and Communication Engineering, SSET organized an alumni meet for B. Tech Graduates of ECE 2012-2016 in google platform on 18/09/2021.
Department of Electronics and Communication Engineering, SSET organized an alumni meet for B. Tech Graduates of ECE 2001-05 & 2002-06 in google platform on 11/09/2021.

Ms. Susmi Jacob, Assistant professor got selected for the CERD project for the project titled “ContextAuth: An Implicit authentication system for smart phones”.

As a part of independence day celebration literary club of computer science and engineering department organized a poem writing competition on 16th August theming 75 years of freedom.

Arts Club of CSE department conducted online one-minute video contest based on Onam Theme.

Alumni talk on “Opportunities for studying abroad” by Ms. Anu Sasidhara Kaimal [Batch 14 ,2014-2018] was scheduled to be conducted on 31 August 2021.



Knowledge Sharing Programme

Insights on **Disaster Prevention and Awareness Education Using Simulation and Gaming,** was presented as a Knowledge Sharing Programme on 31st July 2021, Saturday by Ms. Anju Nair, Assistant Professor, Basic Science and Humanities. The webinar was conducted by the International Simulation and Gaming Association (ISAGA), as a prelude to their 52nd International Conference. The webinar triggered of our traditional games which instilled virtues and values, but has been discarded and disrespected in the present gaming scenario.

Digital Poster Design Competition

Basic Science and Humanities Department, SSET conducted a digital "POSTER DESIGN COMPETITION" inculcating the theme for this year's International Youth day as "Youth for Sustainable Food Systems for Planetary Health" from 7th August – 10th August 2021. Out of 24 registrations received, 11 participants submitted the Poster. 3 Posters (Category I) scored above 60% marks and were awarded an A grade and 4 posters (3 Category II and 1 Category I) scored 50 % marks were awarded a B grade.

An alumni talk for the undergraduate students of Mechanical Engineering department was held on 18th August 2021, on Google Meet 10:00 am to 12.00 noon. We had our proud alumnus as the speaker, Mr. Rohith R (2009-2013 batch). He is a multitalented student and is working as Project Engineer in NGC Transmissions China. This webinar helped in guiding our undergraduate students to pursue career in Renewable energy sector.

Staff Achievements

MS. Asha S, Ms. Bini Omman, MS.Neenu Sebastian, Ms.Sreeja Rajesh, Ms.Suja C Nair successfully completed 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education(AICTE) from 16 August, 2021 to 20 August, 2021.

Dr. Gibin George, Assistant Professors, Department of Mechanical Engineering published an article on "Microscopic Characterization of Eco-friendly Lokta Paper." in the journal Microscopy and Microanalysis 27, no. S1 (2021): 720-721.

A Knowledge Sharing Programme on Mindfulness and interpersonal Relationships was held on 7th August by Dr. Mini Tom, Professor, Basic Science and Humanities which discussed on an individual’s mindfulness along with interpersonal relationship and how it is useful to attain a perfect balance in one’s life.

Dr. Geethu R, Assistant Professor, Basic Science Department delivered an informative session titled ‘Research Manuscript to publication process- an overview’ which discussed about how to prepare a manuscript to a research paper, publication ethics and prominent journals on 21st September 2021 as part of Knowledge Sharing Programme.

Sujay K, Assistant Professor of the Department of Automobile Engineering of SCMS School of Engineering & Technology conducted an online Knowledge

Sharing Session on the topic “Role of CAD/CAM in Automobile Industry” on 20th September 2021. He discussed the crucial role of model based design in the automobile industry. He also shared the benefits of additive manufacturing and how manufacturers are using this for rapid prototyping. The session was coordinated by Amal P Dev, Assistant Professor, Department of Automobile Engineering, SSET.

NSS Activities

CATCH THE RAIN

Date : 8TH AUGUST 2021

Venue: GOOGLE MEET

As part of India's 75th year of Independence, the NSS unit of SSET organized an informative session on "CATCH THE RAIN: WHERE IT COMES, WHEN IT COMES" conducted by Mrs.Sruthy S, Asst Professor of Civil department, SSET, on 8th August 2021 at 7 PM via Google meet.

The session was conducted to educate and aware the volunteers about the issues and needs of water conservation and rainwater harvesting. It also encouraged the students to come forward with their ideas and gave them the courage to implement them in the future.

The guest of honor shared the importance of Rainwater harvesting and also various methods involved for the same. The volunteers shared their honest feedback at the end of the session. The meeting lasted for 3 hours with the active participation of around 65 volunteers. Altogether the session was enlightening and inspiring.

Placement Activities

Regish N. George of 2018-2022 Computer Science Batch gets an Offer from Soti.

67 students of the 2018-2022 batch cleared the TCS Ninja online test.

Post Covid Indus Towers to conduct their 2nd level of recruitment tests in the campus for 11 shortlisted candidates from batch 2017- 2021.

UST and Infosys to conduct online tests in the first week of October for the 2018-2022 batch.

Internshala offers an internship for Aravind Subramoniam at Shaksham.

Training sessions to crack the tests for TCS Ninja and Infosys drives were provided to the 2018-2022 batch by Konfidence group..

OCTOBER 2021

DEPARTMENT ACTIVITIES

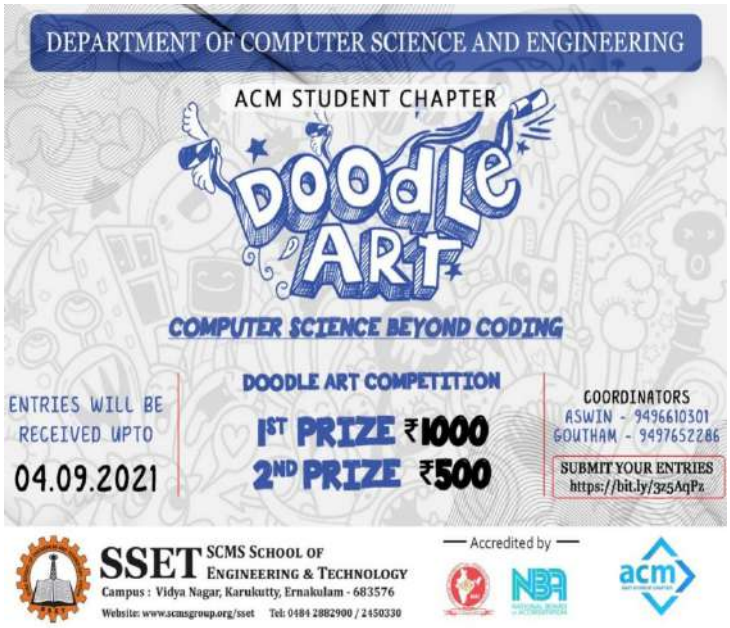
Arjun V Pillai (B2017 - 2021) Alumni of **Department of Automobile Engineering** of SCMS School of Engineering & Technology was invited to talk on the topic "Let's Crack the Hackathon" on 18/10/2021 Monday (9:00Am to 10:00 AM). He shared his experience of participating in Hackathon programs and also provided a step-by-step approach to attend Hackathons. He also discussed the different types of Hackathons and major National & International hackathon themes. The session was coordinated by Aravind P V, Assistant Professor, Department of Automobile Engineering, SSET.

Department of Electronics and Communication Engineering, SSET conducted an online Awareness Program on the topic 'Mobile APP Development' for S7 ECE students from 11th-12th OCTOBER 2021 by the resource person Ms. Deepa B, Assistant Professor, Department of ECE, SSET.

Department of Electronics and Communication Engineering, SSET organized an Alumni Talk on the topic 'Hacks on Preparing Resume and Facing Interviews' for S7 ECE students by the resource person Mr. Arjun M, Recruiter at Talent Acquisition, IQVIA India on 25th September 2021

Department of Electronics and Communication Engineering, SSET organized a knowledge sharing session on the topic 'Affective computing using Brain signals' by the resource person Ms. Praveena S Kammath, Assistant Professor, Department of ECE, SSET on 29th September 2021.

ACM student chapter from the **Department of Computer Science and Engineering** organized a Doodle art competition whose entries were received till September 4th ,2021.



A placement oriented training program on C Programming Language was organized by **Computer Science Department** on September 9th and 10th 2021.

Department of Electrical and Electronics Engineering organised Alumni Talk Series -III on

"Demand side Management in Smart Grid" by Dr Nithin S, Research Fellow, University of Warwick, UK, Alumni 2008 EEE batch on 07/10/2021. He discussed about the current trends and challenges in the field smart grid in power system, his journey towards this field and also shared his real-life experiences. He also talked about the different equipment, generation scheduling, demand curve and demand despatch, after which the students were given the opportunity to share their views and clear their doubts about smart

grid management. The event enlightened the mind of the students to new paths. Webinar was opened to S7EEE students. Totally twenty participants attended the program. The feedback of the sessions received by the participants was excellent.

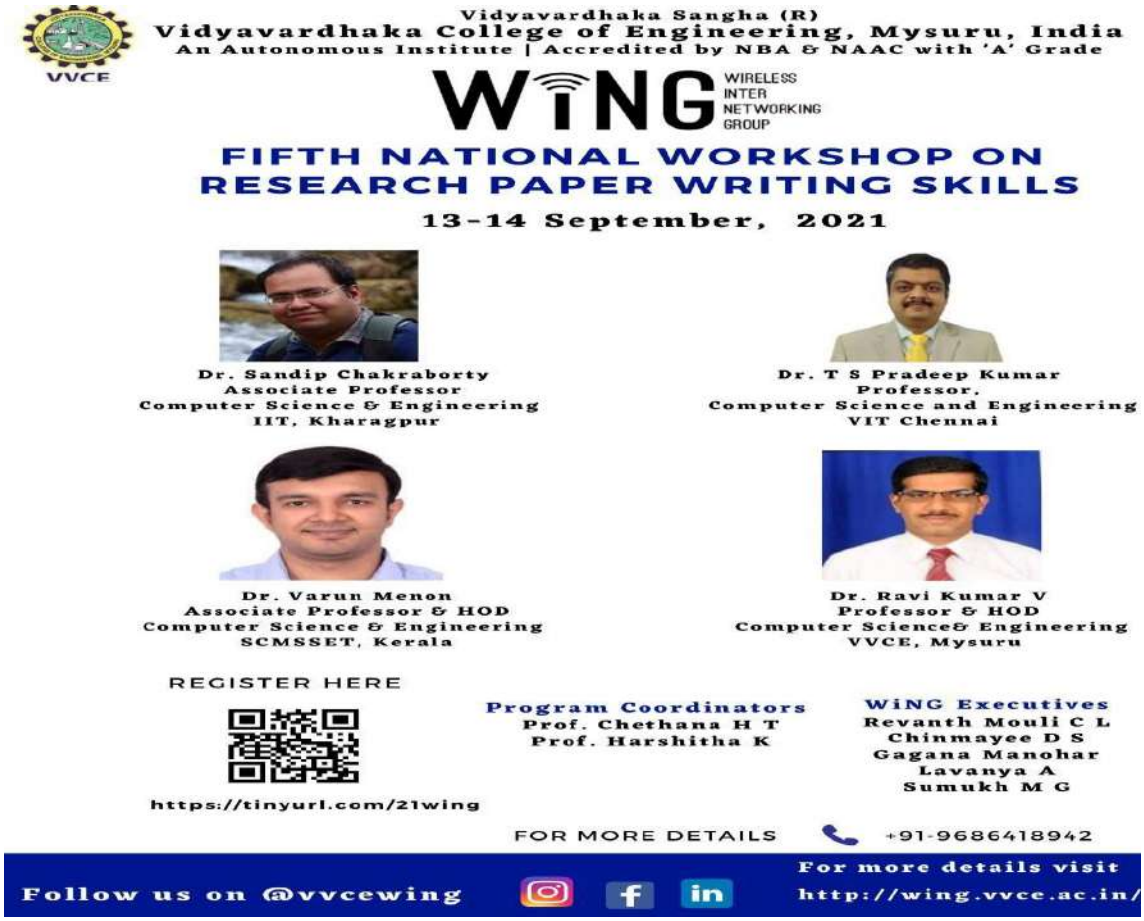
The **Department of Basic Science and Humanities**, SCMS School of Engineering and Technology, Karukutty organized a **"Reel Making Competition"** as a part of the World Students' Day to commemorate the birth anniversary of Dr. APJ Abdul Kalam. The participants were given certificates of participation.

An alumni talk on the topic 'How to start preparing for GATE 2022' for the undergraduate students of **Mechanical Engineering department** was held on 29th September 2021 in Google Meet 10:00 am to 12.00 noon. We had our proud alumnus as the speaker, Ms. Santhra Krishnan (2014-2018 batch). Ms. Santhra is a research scholar in IIT Madras. This webinar helped in guiding our undergraduate students on preparing for GATE exams.

Staff Achievements

Dr. Varun G Menon, HOD CSE, delivered a session on “Management of review process, paper selection and scheduling “IN IEEE R10 Workshop on the Panel of Conference Organisers (POCO) from 2nd to 4th September 2021 organized by IEEE Kochi Subsection in association with APJ Abdul Kalam Technological University.

Dr. Varun G Menon, HOD CSE, was invited to deliver a session on Fifth National Workshop on research paper writing skills scheduled on 13th and 14th September 2021.



Ms. Jane Theresa, Assistant Professor, Department of Basic Science and Humanities, published a paper titled "The Exclusion and Invisibility of Women: A Humanitarian Crisis" in the UGC approved International Journal IJCRT. She also published a chapter titled "Ecocriticism in Patrick White's novella The Cockatoos" in the book "The Canopy – Recent Trends in Literary Theory"

NSS Activities

As part of Teacher's Day, the **NSS unit** of SSET organised an event on 5th September 2021, "DRONA-Let's celebrate a day with our teachers." To pay a tribute to the senior most teachers of SSET. Volunteers made a tribute video to the ten selected teachers which includes their personal life, career,

achievements, and a video of their students(alumni), sharing their experience as a student of the particular teacher.

On 2021 September 8th, a meet was conducted for the selection of the coordinators of the blood donation cell of SSET NSS 'JEEVASARAM' for the districts Ernakulum and Thrissur. Volunteers were assigned their respective duties. Some volunteers were assigned to collect the details of the patients and

constantly update the requirements. Some were given the duties to search for and contact the known donors to fill the requirements. 35 of our active volunteers were given responsibilities. The meet was conducted in the presence of our program officer Mr. Sujay K and two senior ex-panel members who were dealing with the blood donation cell of NSS SSET. They explained the general processes and conditions to donate blood and also gave awareness to the volunteers about the greatness of donating blood.

STUDENT ACHIEVEMENTS

Alen Roy, S4 CSE1 has secured Third position in Hack 4 Humanity-an IEEE HAC funded event organized by IEEE IA/IE/PELS Jt. Chapter Kerala on 17th - 19th September 2021.

Hadiya Rasheed has secured first position in Poster designing competition organized SCMS school of Engineering and Technology.

Placement Activities

The offers received by the 2018-2022 batch totalled up to 9 and the 2017-2021 batch updated at 153 placed and 275 offers.

MARLABS selected six of our students Bhavya Jinaraj, Vaibhav Nair, Mohammad Yaseen, Meera Rajendran,

P John Zachariah from Computer Science and Engineering and Jeslin Merin Sajeev from Electronics and

Communication Engineering.

Abhijith Krishna E.R. from Computer Science and Engineering received an internship cum placement offer

from Primenumbers Technologies Pvt. Ltd.

Mock interviews were conducted for the students who got shortlisted after the online tests conducted by

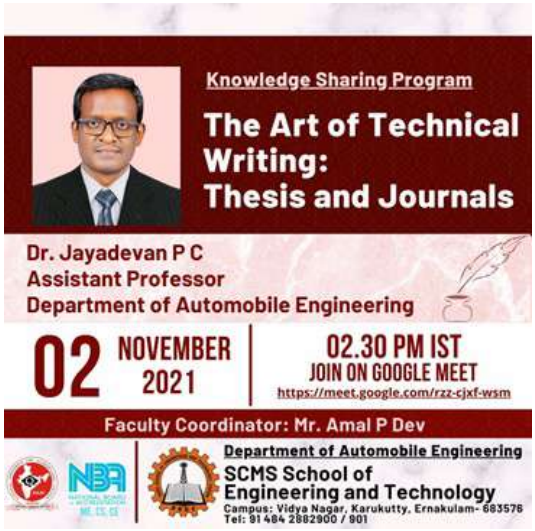
Infosys, TCS and Wipro.

NOVEMBER 2021

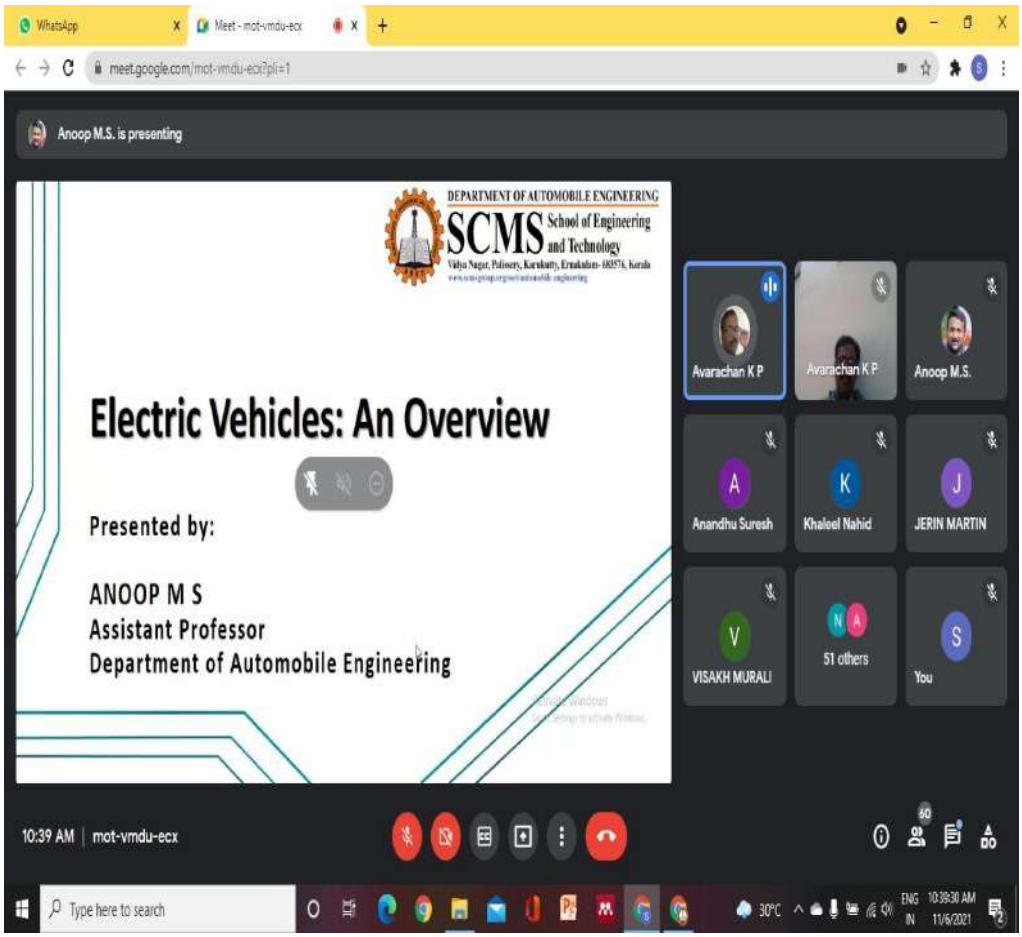
DEPARTMENT ACTIVITIES

The Department of Automobile Engineering, SSET has conducted a Knowledge Sharing Program on 'The Art of Technical Writing: Thesis and Journals' on 02nd November 2021 at 02.30 pm IST online through Google Meet. The objective of the program was to give a basic awareness about how to write a journal or technical paper or thesis. The speaker was Dr. Jayadevan

P C, Assistant Professor, Department of Automobile Engineering, SCMS School of Engineering and Technology, Pallisery, Karukutty.



Mr Anoop M S, Assistant Professor, Department of Automobile Engineering was invited for a webinar on “Electric Vehicles: An Overview” at the Government Polytechnic College, Perumbavoor on 6th November 2021.



TORQUE - The Automobile Association of SCMS initiated a new activity called “Career Takeoff Series” to improve the aptitude quotient of final year Automobile students and also help them prepare for competitive exams and interviews through a series of mock tests, interviews and seminars. The 1st seminar in this series was by Mr Sanoj Varghese, Assistant Professor, Department of Mechanical Engineering who shared his experience of writing competitive exams.

A mock series of tests were also conducted and the top students were awarded certificates. The top scorers are:

a) Rohit Shyson - 66%
b) Gautham Krishnan M - 52%
c) Abdul Manaf & Jesvin P T - 51%

The Department of Automobile Engineering, SSET has conducted an Alumni Interaction with Mr. Abijith Menon (b 2011 - 2015), Growth Specialist, Garage Plug Inc on the topic “SAAS – Software as a Service " on 12th November 2021 at 10.30 am IST online through Google Meet. The objective of the program was to give a basic awareness about job opportunities available for automobile engineering students in non – traditional sectors

SAE India Collegiate Club of SCMS hosted an online lecture on “EV Development - Step by Step Approach” by Mr K Mohan, CTO, E machine shop on 13th November 2021. The online lecture meet was sponsored by SAEISS – Cochin Division. The lecture was conducted online in Google Meet. The objective of the program was to give a detailed procedure on how to design, develop and test electric vehicles.

The department of Automobile engineering hosted a group of engineers from Kerala State Road Transport Corporation (KSRTC) as part of a training program in association with SCMS Group, Muttom. Two training sessions were conducted on campus; the venue was the Auto Workshop. The 1st session was handled by Mr Venkatraman, Service Engineer, Ashok Leyland and the 2nd session was handled by Dr Manoj Kumar B, Associate Professor, Department of Automobile Engineering.

As part of the Career Takeoff Series, the Department of Automobile Engineering organised a hands on training session for the 7th semester students on the benefits of LinkedIn and how to create an account and also network in LinkedIn. The training session was handled by Mr Albin Joseph, Assistant Professor, Department of Automobile Engineering.

Dr Jenson Joseph, HOD, Department of Automobile Engineering was invited as a speaker for an online talk on the topic “3D Printing: Techniques and Modern Applications” at the University of Technology and Applied Sciences - Ibri by the Staff Development Committee of the Engineering Department.

Mr Sujay K, Assistant Professor, Department of Automobile Engineering was invited as the resource person for a webinar on “Road Safety Awareness”. The webinar was hosted by the Department of Automobile Engineering for the Kerala State Bharat Scout and Guides Irinjalakuda District on 19th November 2021.

The SAE India Collegiate Club of SCMS in association with IEDC, SSET conducted a 2 day “Workshop on Arduino” for the 7th Semester students of the Department of Automobile Engineering, SSET. The workshop was conducted by Mr Vinoj P G, Assistant Professor, Department of Electronics and Communication, SSET with the assistance of Mr Jebin Lukose, PG scholar, Department of Electronics and Communication, SSET. The workshop included hands-on training on coding with the Arduino board and simulation using TinkerCad Software. The participants received certificates on successful completion of the workshop.

Department of Civil Engineering holds a Discussion with Carborundum Universal Ltd.

A meeting with Mr Jayan PS Executive Vice President, Carborundum Universal Ltd. was held on 10th November 2021 for the discussion of 'Improvement of strength characteristics of concrete by addition of Graphene', which is a waste product form their industry. Dr.Nisha.L HoD CED, Dr. Anand Raj, Assistant Professor CED, Ms. Nandita Mohan, Assistant Professor CED, Ms. Tennu Syriac, Assistant Professor CED, Mr. Jerry Anto, Assistant Professor CED and Mr. Akshai Sugathan, Assistant Professor CED were participated in the discussion.

Collaboration with Kerala Water Authority

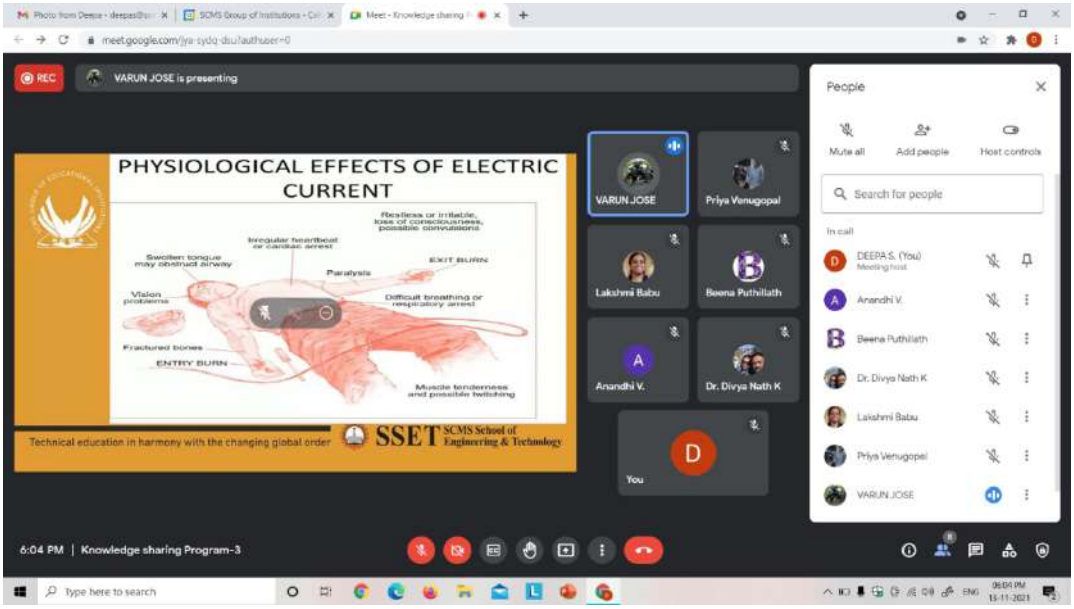
The Department of Civil Engineering in Association with SCMS Water Institute is collaborating with Engineers from Kerala Water Authority, to evaluate the feasibility of commissioning a 25 MLD plant at River Kadambrayar. A meeting was held on 16-11-2021 with KWA officials. Mr. Jochan Joseph, SE, KWA, Mr. Shyju Thadathil, Executive Engineer, KWA and Mr. Anil Augustine, Assistant Executive Engineer, KWA were participated in the discussion. The preliminary report prepared by SCMS was discussed in the meeting. The team from SSET comprise of the following people: Dr Sunny George, Director SCMS Water Institute, Dr.Nisha.L HoD CED, Dr Ratish Menon, Associate Professor, Ms Sanju Sreedharan, Associate Professor, Mr Deeraj A D, Assistant Professor, Mr Stifin Benny, Assistant Professor and Ms Sruthy Robert, JRF.

Department of Electronics and Communication Engineering, SSET organized a knowledge sharing session on the topic ‘Sleep Stage Classification’ by the resource person Ms. Vrinda V Gopal, Assistant Professor, Department of ECE, SSET on 30th October 2021.

Susmi Jacob of **Computer Science Department** delivered a session on “How to stay safe online” at a webinar on Cyber security in connection with cyber jaagrookta (Awareness) Diwas on Nov 5, 2021.

As a part of SCMS - Huawei tie up a webinar on the future of app industry on 12th November 2021.

Department of Electrical and Electronics Engineering organized a knowledge sharing program on 13/11/21at 6.00 PM by Mr Varun Jose, Assistant Professor, EEE Department on the topic **"Electrical and Fire Safety"** through Google meet. The session discussed the topics like need of safety, common mistakes and tips to prevent electric shock. The speaker also explained about isolators, motor switches, use of smart switches, remote power monitoring systems. The session shared was the tips to avoid shock from electric fire. The session enlightened the mind of the participants to new paths on Electrical and fire Safety techniques. Webinar was opened to all staffs of SSET.



Department of Electrical and Electronics Engineering organized a webinar on 14/11/21at 2.00 PM by Mr Rafeeq Ahammed , Poet, Lyricist & Novelist on the topic “Adhunika Malayala sahithyam “through Google meet. The distinguished speaker gave an idea about “Adhunika Malayalam Sahithyam. This was a venue for students to discuss literary curiosity. This program aimed to inculcate reading and writing skills among students The event was enriching and eye opening and exposed the participants to the beauty of Malayalam Literature. He discussed about current trends and challenges in the field of writing lyrics in film, his journey towards film field. Students were given the opportunity to share their views and clear their doubts in the field of music, poem and novel and also shared about his experience with music directors.

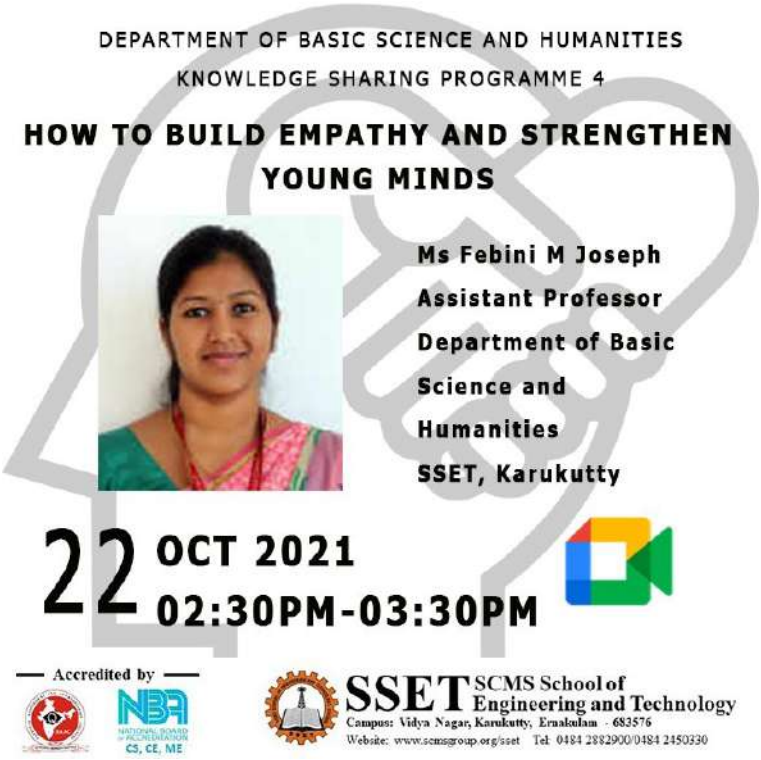
Department of Electrical and Electronics Engineering organised a webinar on “SMART ENERGY SOLUTIONS” by Mr. Sivaprasad Ramankutty , Manager , Product Development, Energy IOT, R & D, Kalkitech Ernakulam on 16/112021. The speaker explained about ordinary energy meter and smart meters. Students got a very good view about Smart city, smart homes, pollution control, energy saving, smart transportation, smart industries are such transformations due to IoT Students understood the importance of Distributed energy resources (DER) such as electricity-producing resources, energy storage, or controllable loads. The speaker also discussed about the consequences that a company had to face while incorporating an ecosystem of IoT solutions which provides measurable value that allows the utilities sector to rationalise resource management and achieve real business benefits.

Department of Electrical and Electronics Engineering conducted a workshop on “Familiarization of AutoCAD Electrical-2021" for the final year students on 11-11-2021 as apart od PoA. Since Electrical CAD software is an essential tool for creating electrical drawings, electrical schematics, wiring diagrams and many other forms of electrical design, this session is highly recommended. The session includes creating a blank drawing file, familiarization of work space,

application status bar, steering wheel, introduction to drawing utilities, introduction to basic drawing commands, introduction to modify tools, introduction to drawing properties, introduction to model, lay out, printing a plot, introduction to layers, drawing a 11kV indoor substation SLD etc.

Department of Electrical and Electronics Engineering organized a story writing competition titled “Childhood Reminiscence” on 13/11/21. This competition was open to all students of SCMS Group of Institution.

Department of Basic Science and Humanities conducted a Knowledge sharing Programme on the topic How to Build Empathy and Strengthen Young Minds by Febini M Joseph, Assistant Professor, on 22nd October 2021.



An alumni talk for the undergraduate students of **Mechanical Engineering department** was held on 23rd October 2021, on Google Meet 10:00 AM to 11.00 AM. We had our proud alumna as the speaker, Mr Mohammed Sadhik (2013-2017 batch). Mr. Sadhik is the founder of Mannar Craft Pvt. Ltd, doing business in the marketing of bronze products. This webinar helped in guiding our undergraduate students for developing their entrepreneurship skills.

NSS Activities

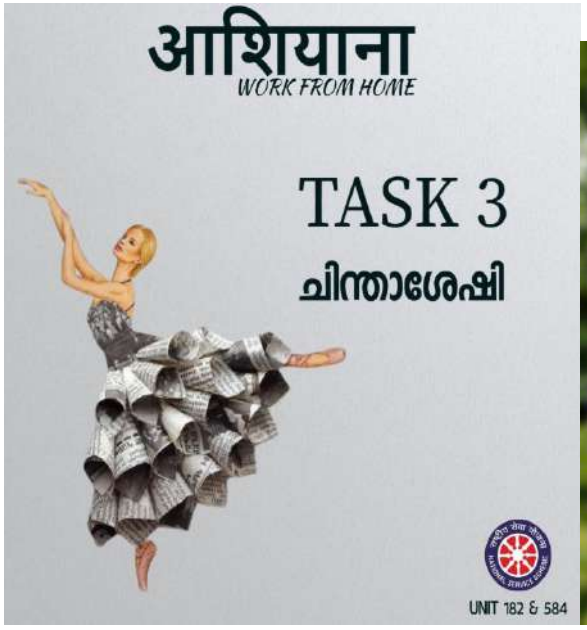
On 24th September 2021, NSS day was celebrated with great enthusiasm and patriotic fervour. The NSS day celebrations began with a compilation of Manavageetham by our volunteers. The mash up was too much beautiful, well-coordinated and eye soothing. Everyone shared a positive feedback for their

sheer effort to make such an awesome mashup. It was mainly an orientation session for our volunteers by one of our program officers Shri. Sujay K in the presence of our senior NSS officer Shri Gopalakrishnan sir. Many of our senior NSS volunteers were also present in the session and had shared their experiences working with an organization like NSS. It was more of an interactive session and the volunteers could get a complete overview about NSS at SSET and our previously done works.

The panel members and programme officers of NSS SSET Units 182&584 on 24 th September 2021, had come together to discuss and plan the further events and works of the Units. Sujay sir and Rakesh sir shared many ideas for the upcoming works, also the pros and cons which we might face while executing those works. All the panel members were present in the meeting.

NSS unit of SSET organized a series of works for a week in regard to sevanavaram under the title Aashiyana - work from home. Admit of the Covid situation, our NSS volunteers managed to make paper bags which would help in reducing the usage of plastic bags in our day-to-day life. Volunteers were asked to share the after pictures of the completed work through google forms. They were given a one-day time period for the making process. The pictures were shared accordingly and about 43 volunteers participated actively.

NSS unit of SSET organized a series of works for a week regarding sevanavaram under the title Aashiyana - work from home. Due to the current covid situation, NSS volunteers actively participated by planting a sapling at their respective houses. Volunteers were asked to share the after pictures of the completed work through google forms. One day was given for them to upload their work. The pictures were shared accordingly and about 38 volunteers participated actively.



Our NSS volunteers were asked to make arrangements for birds to quench their thirst. They kept water bowls for the birds and shared the pictures of the work through google forms. There were many creative ideas by our volunteers.

आशियाना

WORK FROM HOME

TASK 4

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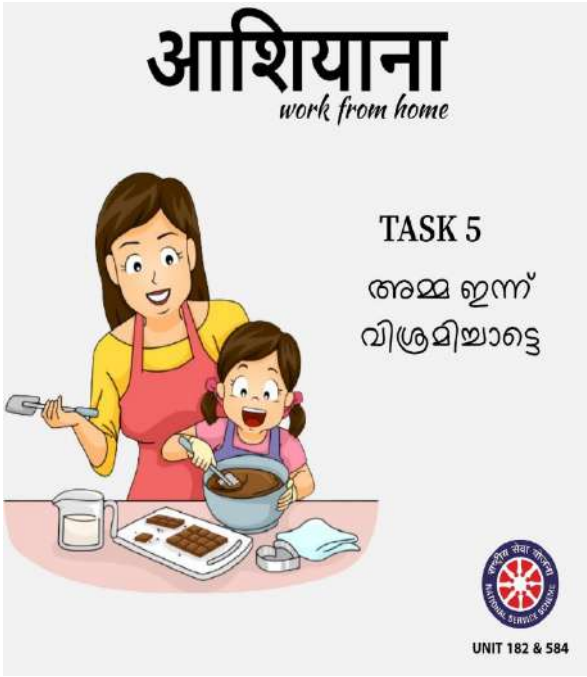
UNIT NO 182 & 584

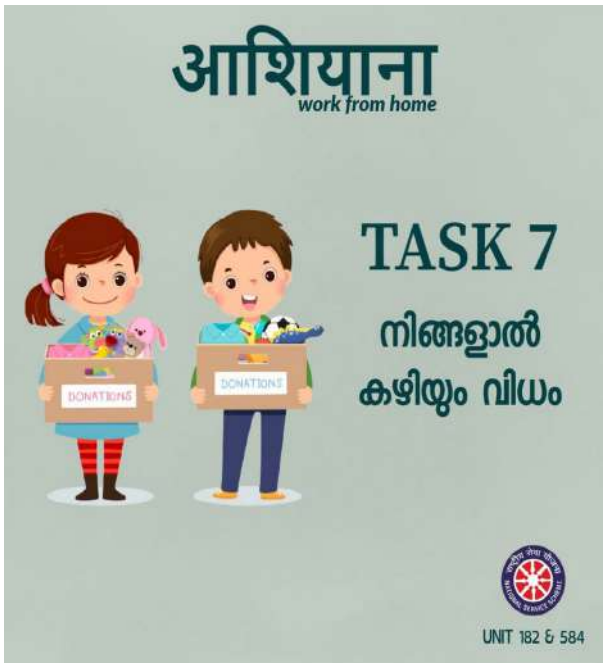
DAHAJALAM

NSS volunteers were asked to do chores at home to help their parents as part of sevanavaram under the title Aashiyana.



NSS volunteers managed to do their little bit to make the surroundings of their home clean, by collecting the scrap littered all over.

NSS volunteers were asked to donate toys, storybooks, and such kinds of things to nearby centers.


आशियाना
work from home
TASK 7
നിങ്ങളാൽ
കഴിയും വിധം
DONATIONS
DONATIONS
UNIT 182 & 584

NSS Unit of SCMS School Of Engineering and Technology joined hands with Kudumbashree for the new initiative of the government “Kalimuttam Orukkam” at St Joseph LP School, Nalukettu on 9th October 2021 with the participation of 31 volunteers. “Kalimuttam Orukkam” is a state level cleaning drive to ensure the safety of the students. Our volunteers started the work at 8.00 am and completed the work by 4pm.The work was planned to be done within three days.

On the first day, volunteers cleaned the school premises, playground,rooftops, store room and repaired defective electrical equipment such as a desktop computer and a printer. NSS could make a renovation worth Rs 40,000.

M.L.A.ഫണ്ട് 2005-06
സന്റ് ജോസഫ്സ്

The cleaning drive has been initiated by the government to ensure the safety of the students. On the Day-2 of the work, volunteers cleaned the small park, the stage, school ground, fixed the damaged switch boards with new ones and also restored the water pump. All our volunteers sincerely and actively participated in the renovation of the school, strictly following all the covid-19 protocols.

On the Day-3 of the work, volunteers continued to clean the small park, the stage, school ground, fixed the damaged switch boards with new ones and also restored the water pump.

The work was planned to be done within three days. On the first day (09/10/2021) volunteers whitewashed the classrooms, cleaned the anganwadi premises and sketched the outlines in the classrooms with images of nature,cartoon characters for attracting tiny tots. This helps to enhance the learning atmosphere of the students.

On the second day(10/10/2021) volunteers cleaned the anganwadi premises and started colouring images of nature, cartoon characters for attracting tiny tots which was outlined last day, .This helps to enhance the learning atmosphere of the students.

Staff Achievements

Mr. Santhosh G, Associate Professor, Civil Engineering Department has been awarded degree of 'Doctor of Philosophy in Civil Engineering from CUSAT on 13th August 2021.

Ms. Praseeja A V, Assistant Professor, Civil Engineering Department has been awarded degree of 'Doctor of Philosophy' in Civil Engineering from APJ Abdul Kalam Technological University on 7th October 2021.

Mr. Anand Raj, Assistant Professor, Civil Engineering Department has been awarded degree of 'Doctor of Philosophy in Civil Engineering from NIT Calicut on 22nd October 2021.

A turning simulation environment for geometric error estimation of thin-walled parts' authored by Hareendran Manikandan, Assistant Professor, MED, Tufan Chandra Bera in The International Journal of Advanced Manufacturing Technology, Pages 1-21, was published by Springer London.

STUDENT ACHIEVEMENTS

Mr. Kalidas, student of fifth semester Mechanical Engineering, an NSS Volunteer participated in the Pre-Republic Parade Camp held at Trivandrum.

PLACEMENT ACTIVITIES

The B Tech Batch of 2021-2025 was inaugurated on 21st November, 2021.

The training program on sharp skills – **Bhavishya** was conducted by **ICTAK on** 23rd and 24th November 2021 that saw the participation of 323 students from batch 2021-2025

Placements for batch **2017-2021** updated at **154** placed with **278** offers and a total of **118 c**ompanies who approached for placement drives.

Batch **2018-2022** updates at **122** offers for the **74** placed students. **TCS s**elects **45** and **Wipro 29**
students waiting for their offers from IBM.

A total of **54** companies approached for the present 2018-2022 batch and selections are **in process**

DECEMBER 2021

DEPARTMENT ACTIVITIES

The Department of Automobile Engineering, SSET hosted Mr. Adarsh Kumar G Nair, Retired Jt. RTO for a Road Safety Awareness Program for the students of the Department of Automobile Engineering on Dec 3rd 2021 in the Main Seminar Hall of SSET campus. This was the first seminar of the department after the lifting of restrictions of Covid 19.

The Department of Automobile Engineering, SSET arranged an Alumni Interaction with four students of the 2013 - 2017 batch of B.Tech Automobile

Engineering on the topic ***"Opportunities in Service Sector - An Alumni Perspective"***. The alumni were ***Mr. Satheesh M G, Mr. D Nihal, Mr. Albert Joseph, Mr. Alok Raj*** who are currently working in various capacities across the automobile service industry. D Nihal - Robert Bosch Engineering and Business Solutions, Vietnam; Mr Alok Raj and Mr. Albert Joseph - Content Analysts at CAMP Systems International, Inc and Mr Satheesh M G, Diagnostic Engineer, Volvo GTT, Bangalore.

The Department of Automobile Engineering, SSET has conducted a Knowledge Sharing Program on "***Local Workshops for New Generation Vehicle Servicing - Opportunities and Challenges" on*** 18th December 2021

at 02.30 pm IST online through Google Meet. The objective of the program was to give a basic awareness about how the changing scenario of the Automobile Industry was creating challenges and opportunities for small workshops. The speaker was Dr. Manoj Kumar B, Associate Professor, Department of Automobile Engineering, SCMS School of Engineering and Technology, Paliserry, Karukutty

Department of Electronics and Communication Engineering, SSET organized a

knowledge sharing session on the topic ‘Green Communication in 5G’ by the resource

person Ms. Nithya M, Assistant Professor, Dept of ECE, SSET on 30th November 2021.

Department of Electronics and Communication Engineering, SSET conducted an

industrial interaction program on the topic ‘Artificial Intelligence Beyond the Hype and
the Buzz’ by the resource person Mr.Ashok T Kumar,AL Technology Systems Research, Massachusetts Institute of Technology Labs,USA, on 30th November 2021.

Department of Civil Engineering in association with SCMS Water Institute and IEDC Cell conducted a one day hands on training program on use of EPANET for M.Tech Environmental Engineering students on 30/11/2021. The session was conducted by Dr. Shyju Thadathil Executive Engineer, Kerala Water Authority. This session was the first session in a series of sessions planned which also include a site visit to KWA water treatment facility and discussion with Engineers from KWA. The students would get an opportunity to design actual water distribution networks using EPANET.

The Department of Computer Science and Engineering, IEDC organised a talk session delivered by Mr.MM Jayakumar on "Manufacturing and applications of NTC Thermistors" for the students of CSE department. The event was held on 10th december 2021.

Department of CSE conducted an Intra SMS Hackathon "Innovate Crea".

IEDC conducted a technical quiz program “Jackpot Quiz” on 15th December 2021,for the students of CSE and the winners are Vaibhav Nair and Neeraj Sagar of S7CSE2.

Ms.Gayathri S Warrier delivered KSP talk on “Internet of things -A brief Perspective ” on 18th December 2021.

Dr.Varun G Menon,hod CSE Department delivered a session on "The World of team-Team Formation ,Creative Decisions" in the orientation workshop conducted for IEDC Representatives on 20 th December 2021.

The Basic Science and Humanities Department, SSET, conducted a two-day international conference on Emerging Trends in Basic and Applied Science. There were 6 keynote addresses and paper presentations in parallel sessions.
The department of conducted Basic Science and Humanities organised a Knowledge Sharing Programme on "Stress Management" by Jinu M J, Assistant Professor, SSET.

An alumni talk for the undergraduate students of **Mechanical Engineering department** was held on 18th December 2021, on Google Meet 10.00 AM to 11.30 AM. We had our proud alumna as the speaker, Mr Mohammed Thaabith (2012-2016 batch). Mr Thaabith is working as Business Development manager in Hexa Tech Refrigeration LLC. There were 37 participants in the alumni talk. Mr. Thabith shared his memories at SSET as an undergraduate student, and his milestones in career from an engineer to business development manager.

Idea Pitching Competition organized by Association of Energy Engineers (AEE) SSET Chapter and the **ME Department Association** was conducted on December 14th at 10:00 AM to 12:30 PM. The event was inaugurated by Dr Rag R. L., HoD, MED. The theme for the competition was ‘Energy of Future’. Four teams participated in the event, and the team from S7 ME 1 won the first prize.

Staff Achievements

Dr Sreelekha Menon published a paper “Impact Analysis of the COVID 19 on the Atmospheric Air Quality and the electricity consumption in India " in the Indian Journal of Applied Research.

Dr. Anu VR ,Associate professor ,CSE delivered a technical session on “Cloud Forensics” on 18th December in the National webinar organized by SCMS College of Polytechnics.

Sam Joshy, Nikhil Asok, Jose Sheril D'Cotha, Assistant Professors, Department of Mechanical Engineering published an article on "Influence of full annealing on microstructure and mechanical properties of AISI 1035 steel." in the journal *Engineering Research Express* published by IOP Science.

Mr Sujay K, Assistant Professor, Department of Automobile Engineering was invited as the resource person for a webinar on “Road Safety Awareness”. The webinar was hosted by the Department of Automobile Engineering for St Joseph's Higher Secondary School, Meloor on 19th December 2021

Ms. Jane Theresa and Ms. Divya M.S, Assistant professors of Basic Science and Humanities were the resource person for the Workshop on Writing skills conducted by SSA for semester three students.

Students achievement

Aldrin K George, Student of S3 ME was selected for KTU Volleyball team.

PLACEMENT ACTIVITIES

Batch **2018-2022** updates at **170** offers for the **89** placed students. Our students got placed in

INFOSYS, TCS, WIPRO, UST, QUEST GLOBAL. HEXAWARE TECHNOLOGIES, MAR LABS, IBM, IBS,

GADGEON, EY GDS, ZENSAR, PRIME NUMBERS, WHITE RABBIT and SOTI.

Selections still in process for Aspire, Byju's, Sutherland, Travancore Analytics… to name a few

A total of **67** companies approached for the present 2018-2022 batch.

January 2022

DEPARTMENT ACTIVITIES

International conference on Innovations in Civil Engineering-2022 was organized by the **Department of Civil Engineering** in an online platform on 14-15 January 2022. Dr. Arun Kumar, Assistant Professor, NIT Calicut, Dr. Praveen Nagarajan, Professor, NIT Calicut, Dr. Sunny George, Director, SCMS Water Institute and Dr. Darpan Das, Exposure Scientist, Institute of Occupational Medicine, UK delivered keynote address. The conference had about 30 presentations from participants.

Mr. Girish, Manager of Talis Smart Solutions visited the Department and gave a demo for the pressure sensors to be used in the smart water network for Kochi City.

Department of Electronics and Communication Engineering, SSET organized a webinar on the topic 'Media Industry in today's world and the opportunities available' by the resource person Mr. U Ashwin, Cinematographer, Social Media Marketing and PR in Film Industry, on 17th January 2022.

SCMS School of Engineering and Technology (SSET), **Department of Electrical & Electronics** & SSET IEDC has conducted a one day workshop on Familiarization of Energy Conservation & Energy Auditing at seminar hall, ACII block and indoor substation of SSET campus on 14th January 2022 at 10.00 AM to 3.30 PM. During the session, Mr. Ashok & Mr. Satish, members of Energy Conservation Society led by Dr. Soman talked about the importance of Energy Conservation & Energy Auditing to the faculty and students of EEE department. The speakers talked in detail about the need for energy conservation and energy auditing , types of energy auditing , the energy audit processes involved , questions included in planning , energy audit requirement of different customers .

The **Basic Science and Humanities Department** organized a 3-day programme named GANIT, in connection with **National Mathematics Day on December 20th, 21st and 22nd 2021.** A competition on presentations like

charts, models, posters, colash etc was conducted on the topic "**MATHEMATICS FOR BETTER WORLD**" for the students of SSET. The evaluation of the presentation competition was done by Mr K C Mathew (Mechanical Engineering Dept, SSET) and Mr Thejus Augustine (B.Arch, SSA) on 16th and 17th December 2021 and these charts were displayed in the Atrium throughout the week.

NSS ACTIVITIES

MIZHI- NSS 7 DAY SEPCIAL CAMP

From December 26th, 2021 to January 1st, 2022, the two units of SCMS School of Engineering and Technology's National Service Scheme hosted a seven-day camp in Palissery Govt. High School. The camp started with a number of projects, including the beginning of Bamboo Park for Palissery Govt. High School's young students, cleaning and levelling the school surroundings, labelling classroom electronics for energy conservation, and making bird feeders. This was followed by an enlightening session by the famous Trans activist Mrs. Sheethal Syam.

The students enthusiastically took initiative for the following set of projects on the third day, including mat making, art on the walls of the school campus, and Mini Punerjeni, as well as finishing the incomplete projects from the previous day. This was followed by a personality development training by the very energetic Mr.
Rajkumar. Following that, Mr. Benny, a senior fire and rescue officer of the Kerala Fire Force and Rescue Service, presented an intriguing "Rescue Training" session.

The fourth day began with fresh work such as constructing a shade structure

with passion fruit plants, priming the toilet block with first coat, and finishing the incomplete projects from the previous days. Mr. Sujay K Sir, Assistant Professor from the Department of Automobile Engineering, concluded the day with a fantastic eye-opening session.

The fifth day began with a bunch of new projects, such as cleaning the bus, preparing grow bags for farming, producing school charts, priming the bathroom block with a second coat, and finishing the projects left unfinished the previous days. Mr. VG Gopinathan Sir then gave an interesting session on the topic "Waste is Wealth".

On the sixth day, the volunteers successfully completed and concluded all of the assigned projects, which was followed by an interesting session by Mr. Sanal Potty, PRO – SCMS Group on the topic "Influence of Social Media on Society."

The entire seven-day course came to a bittersweet conclusion on the seventh day with a valedictory celebration. For all of the volunteers, the camp was a great learning experience, and the camp's success was due to the overall dynamics and compassion of each and every volunteer.

Staff Achievements

Dr Gibin George Assistant Professor, Department of Mechanical engineering published an article on "Electrospun porous La-Sr-Co-Ni-O nanofibers for highly sensitive non-enzymatic glucose detection." published by Materials Advances (2022).

A Knowledge sharing Program on “How to write a Research Proposal was held on 12th January 2022 by Dr. Nisha L. Associate Professor, Department of Civil Engineering, SSET.

A talk related to Innovative Teaching Methodologies was delivered by Mr. Deeraj A. D., Assistant Professor, Department of Civil Engineering, SSET on the topic “Introduction to model making using Paint 3D” on 3rd January 2022.

A talk related to Innovative Teaching Methodologies was delivered by Dr. Ratish Menon, Associate Professor, Department of Civil Engineering, SSET on the topic “Introduction to Macros” on 5th January 2022.

Dr.Varun G Menon got selected as the program committee member of the International Conference on Cloud Computing, Internet of Things and Computer Applications (CICA2022) which will be held on April 22-24, 2022 in Luoyang, China.

Mr. Jerry Kuriakose, Assistant Professor, Department of ECE, SSET was the resource person for the knowledge sharing session on the topic ‘Frequency Reconfigurable Antennas’ on 22nd December 2021.

Student’s Achievement

Rohith M, Semester 7, Mechanical Engineering Student was facilitated by The Basic Science & Humanities Department for getting outstanding grades in all the Basic Science Subjects on The National Mathematics Day.

In the college union election, Mr. Shon Saji of Semester 7 of the department of Mechanical Engineering was elected as the Chairman and Shilpa Pushpam of CS was selected as the Vice Chairman. Mr. Mohammed Yaseen of S7 CSE got elected as the General secretary, Mr. Elvis Thomas of S7CS got nominated as the sports secretary, Naveen J Muttath became the Arts Secretary, Vishnu M

and Amal James were chosen as the Union Counselor and Irin Papachan was selected as the Magazine Editor.

PLACEMENT ACTIVITIES

103 students of our 2018-2022 batch gets placed with 191 offers to their credit.

The companies with whom the students get placed are INFOSYS, TCS, WIPRO, UST, QUEST GLOBAL. HEXAWARE TECHNOLOGIES, MAR LABS, IBM, IBS, GADGEON, EY GDS, ZENSAR, PRIME NUMBERS, WHITE RABBIT, SOTI, Q spiders, My Captain, Square Yards and Sutherland.

More than 80 companies approached us for recruitment drives – current batch 2018-2022.

Placement training sessions by Konfidence group to soon start for the next batch 2019-2023.

February 2022

DEPARTMENT ACTIVITIES

Department of Electronics and Communication Engineering, SSET conducted two-day online workshop on ‘Electronics Circuit Design ROBOTICS-2022’ for school students from standard 8 to 12 on 25th and 28th January 2022.

Department of Computer Science and Engineering organized the SSET ACM student Chapter, a Technical Talk on “Data Science for Beginners” on 21st February.

Department of Computer Science and Engineering organized “TECHWIZ 22” Interschool Hackathon Winners.

Department of Computer Science and Engineering, Arts Club organized a Painting Competition themed “World Water Day” on February 15th 2022.

The Basic Science and Humanities department organized an online International FDP on Education: Soft Skills from February 21st to 25th 2022. Responses were overwhelming with around 500 registrations, YouTube live streaming and zoom was the platform used.

An alumni talk for the undergraduate students of Mechanical Engineering department was held on 11.2. 2022 at 6 P.M, through Google Meet. Mr. Vishnu Prasad Menon (2012-2016 batch) working as Software quality assurance associate in TATA Elxsi Bangalore, was the speaker for the webinar. There were 42 participants in the alumni talk. Mr. Vishnu shared his path from his graduation to post graduation. He discussed the importance of technical knowledge and skill enhancement in career, and suggested areas suitable for

mechanical engineers. The meeting was concluded with a feedback session at 7.00 PM.

The Department of Civil Engineering, SSET got approval and financial assistance of Rs. 1,50,000/-for organizing a five-day programme titled " Training Programme on Climate Change Data Analysis " from the Directorate of Environment & Climate Change (DoECC). The programme coordinators are Dr. Nisha L, HOD, Dept. of Civil Engineering and Dr. Ratish Menon, Associate Professor, Dept. of Civil Engineering

A Knowledge sharing Program on “Environmental Forensics” was held on 27th January 2022 by Ms. Lakshmipriya. Assistant Professor, Department of Civil Engineering, SSET.

A Knowledge sharing Program on “Bio-Fuel cells: Sustainable Technology for Wastewater Treatment” was held on 14th February 2022 by Ms. Sanju Sreedharan. Associate Professor, Department of Civil Engineering, SSET.

Staff Achievements

Dr. Sreelekha Menon, Associate Professor and HOD of Department of Basic Science and Humanities, published a paper titled "Analysis of the passengers waiting time in escalators at the railway station by Monte Carlo methods in fuzzy queuing" in IJCRT on February 15th.

Dr. Sam Joshy, Associate Professor, Department of Mechanical Engineering published an article "Influence of hot forging on microstructure in double tempered H11 hot forging dies." in the journal Metallurgical Research & Technology published by EDP Sciences, indexed in Scopus and SCIE. Vol 119.
Ms. Jane Theresa, Assistant Professor, Basic Science and Humanities, published a paper titled ‘Embracing Nature in Retirement’ in the book Environmental Issues and Viable Participation Through Literary Perspective.

PLACEMENT ACTIVITIES

Alen Baburaj of CSE and Akshay S of Mechanical from the 2017-2021 batch placed with Wipro and Apollo Tyres respectively thus adding the number of placed to 160 with offers received at 285.

Akhil Madhu of MCA Batch 2020-2022 gets placed with Applexus Technologies taking the numbers to 105 and offers received at 194.

March 2022

DEPARTMENT ACTIVITIES

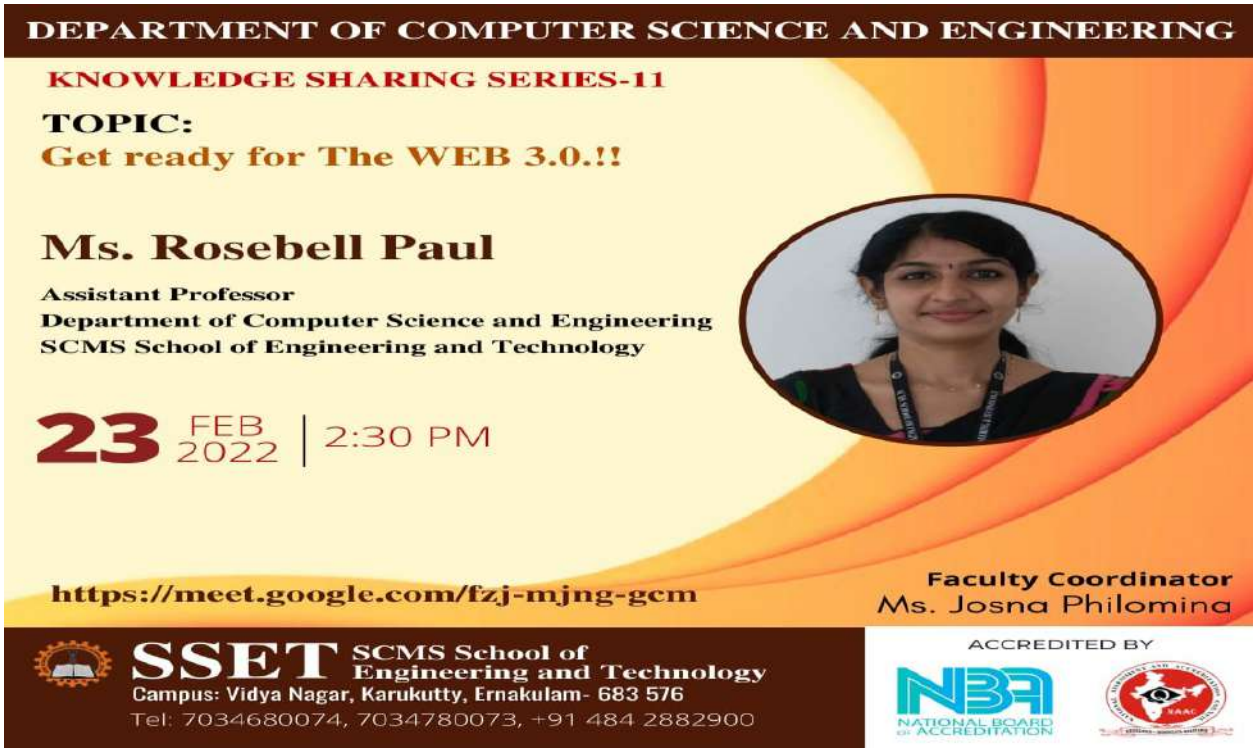
Department of Electronics and Communication Engineering, SSET organized a knowledge sharing session on the topic 'Distributed Signal Processing through Federated Learning' by the resource person Mr. Vijay A, Assistant Professor, Department of ECE, SSET on 24th February 2022.

Department of Electronics and Communication Engineering, SSET conducted an industrial interaction program on the topic 'Electronics Engineering: From an Industry Perspective' by the resource person Mr. Vineeth

Anavangot, Design Architect, Steradian Semiconductors, Bangalore, on 5th March 2022.

Department of Electronics and Communication Engineering, SSET organized an Alumni Talk on the topic 'Opportunities in Mobility Solutions' for ECE students by the resource person Mr. Ananthu J V, Associate Software Engineer, Robert Bosch Engineering and Business Solutions Private Ltd on 28 th February 2022

Ms. Rosebell Paul, Assistant professor, **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING** Delivered an online KSP session on "Get ready for the WEB 3.0" on 23 February,2:30 pm.



Ms. Rosebell Paul, Assistant professor, CSE delivered an online KSP session on "Get ready for the WEB 3.0"

ACM-Student chapter in association with IEEE-Kochi subsection organized a coding competition titled “CODE ON” on 6th March 2022.

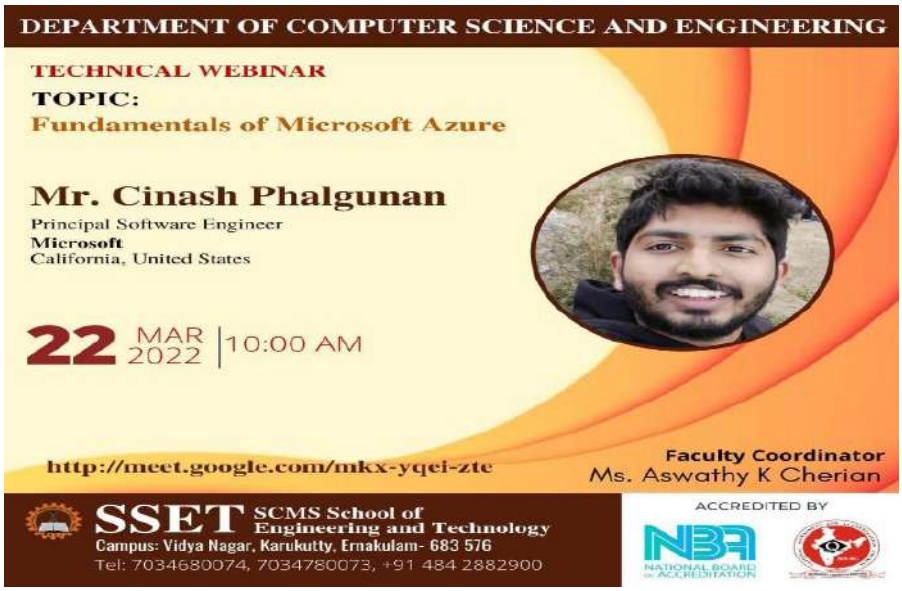
IEEE-Kochi subsection organized a coding competition titled “CODE ON”

Mr. Serin V Simpsons, Assistant professor, CSE has been invited to the 11th International Conference on Cryptography and Information Security (CRYPIS 2022) as their Program Committee Member. CRYPIS 2022 will be held on July 23~24, 2022 in Toronto Canada.

Ms. Sonal Ayyappan, Associate professor of CSE delivered a session on “Unfolding Tomorrow-Building world a better place to love” on 08/03/22 in the event”WS12” organized by SCMS School of Architecture.

Ms. Sonal Ayyappan, Associate professor of CSE delivered a session on "Unfolding Tomorrow-Building world a better place to love"

Department of Computer Science and Engineering is organizing a Technical Webinar on "Fundamentals of Microsoft Azure" on 22nd March 2022 at 10:00 am. The resource person is Mr. Cinash Phalgunan, Principal Software Engineer, Microsoft, USA.



Technical Webinar on "Fundamentals of Microsoft Azure" by Mr. Cinash Phalgunan, Principal Software Engineer, Microsoft, USA.

Department of Basic Science and Humanities, SSET organized an online five day FDP on Education: Soft Skills from Feb 21-25, 2022.

National Science Day 2022 was celebrated by Basic Science and Humanities, SSET.

As part of National Science Day 2022, Design A Product Competition has been organized for school students (STD VIII to X) under the theme "Science for Sustainable Living". SAMIKSHA ITHAGANI (STD IX) of Birla Open Minds International School, Hyderabad secured the first prize. H. VINUTHA REDDY (VII) and M SHASHANK (VII)of Pallavi Model School, Boduppal secured the second position.

As a part of NSD 2022, a quiz competition "SCIENTIA" and a presentation competition on the topic " Significant Innovations in Science and Technology during COVID 19 pandemic" has been organized for SSET students. Quiz Competition Winners.

In the Quiz Competition, First Prize was secured by Aswin Saud and Karthik S of S1 AU and
Second Prize by Sneha Manoj and Aparna A of Semester one of CO.

In the PPT Presentation, First Prize was secured by Gurudutt S Prabhu, Krishnapriya, Laya Shibu of Semester three EC and Second Prize was obtained by Aswin Saud, Karthik S., Sidharth T. H of Semester one of AU.

An alumni talk for the undergraduate students of the **Mechanical Engineering department** was held on 11th March 2022, on Google Meet at 6:00 PM -7:00 PM. Mr Cyriac Varghese, our proud alumna (2010-2014 batch) working as Director and CEO of New Malayalam Steel Pvt Ltd., (DEMAC Steel) and DEMAC Roofing Private Limited, was the speaker for the webinar. Mr. Cyriac shared his path from his graduation. Mr. Cyriac discussed the importance of technical knowledge and skill enhancement in entrepreneurship and shared his experiences during internships. He shared the strategies adopted during the crisis in running a business. Mr. Cyriac also pointed out the opportunities for start-ups and introduced funding schemes.

5-day training programme on "Climate Change Data Analysis" sponsored by Directorate of Environment & Climate change

The Department of Civil Engineering, SCMS School of Engineering and Technology conducted a five-day training programme on Climate Change Data Analysis sponsored by the Directorate of Environment & Climate change from March 14 to 18, 2022. Coordinators for the program were Dr. Nisha.L and Dr. Ratish Menon. Resource persons from various fields were Dr. Sathish Kumar D, NIT Calicut, Dr. C. S. Gopakumar, Kerala Agricultural University, Dr. Manoj M G, Advanced Centre for Atmospheric Radar Research-CUSAT, Dr. Sajeev T V, Kerala Forest Research Institute, Ms. Dawn Emil, CWRDM, Dr. Sunny

George, Director, SCMS Water Institute, Dr. P.T Santhosh, Kerala Engineering Research Institute, Dr Athira P, IIT Palakkad, Dr. Sumi S, CET, Trivandrum and Ms Jisha P Research Scholar NIT Calicut. More than 40 participants including research scholars, students and faculty members from various colleges participated in the programme.

5-day training programme on "Climate Change Data Analysis" sponsored by Directorate of Environment & Climate change

River - Walk & talk

The Department of Civil Engineering, SSET, conducted a one day programme " River - Walk & talk" in line with the 24th edition of "International Day of Action for Rivers" on March 9, 2022 for the faculty and students of SSET. The program involved a field visit to the Oxbow lake and Chalakudy River. Kadukutty Panchayat president Ms Princy Francis inaugurated the programme. Vice president Mr Ayyappan, Oxbow foundation president Mr Deepu Mangalam and Mr Chandran (Artist) addressed the students. Students and faculty members from Nair Samajam High School,

Valoor, Koratty also joined the program. There Oxbow Foundation had erected a huge art canvas at the oxbow lake site for raising awareness about river conservation activities. Students and faculty members actively participated in the activity. A visit to the River Monitoring Station of the Central Water Commission at Arangali also was conducted.

River - Walk & talk in line with the 24th edition of "International Day of Action for Rivers" for the faculty and students of SSET.

Staff Achievements

M. Sanju Sreedharan, Associate Professor, Civil Engineering Department has been awarded degree of 'Doctor of Philosophy in Civil Engineering from CUSAT on 3rd March 2022

Dr. Anand Raj, Assistant Professor, Department of Civil Engineering, SSET received the Outstanding Doctoral Thesis Award in Concrete from the Indian Concrete Institute, Calicut Chapter.

Dr. Suja C Nair, Assistant professor CSE awarded her Doctoral Degree on 21st February ,2022 from CUSAT,Cochin University of Science and Technology.

Ms. Jesna K Sebastian Presented a paper titled "Biocidal Screening and in vitro Cytotoxicity of Novel Schiff Base Ligand – Transition Metal Complexes" "in the CTRIC International Conference 2022 organized by CUSAT.

Dr. Geethu R Presented a paper titled "Morphological Modification of Zinc Oxide Nanoparticles by Sulphur incorporation "at the CTRIC International Conference organized 2022 by CUSAT.

Ms. Febini M Joseph delivered a lecture on the topic "തുല്യതയിലൂടെ സുസ്ഥിര വികസനം" at Marian College Kuttikanam organized by Peermade Development Society and Sahyadri Research Institute Tattathikanamon as a part of Women's Day on March 8, 2022.

PLACEMENT ACTIVITIES

As per "The DataQuest" SSET is ranked 94th position among the National Level Ranking of India's Top Professional Colleges, as part of the survey conducted for DQ_CMR Best Technical School Survey 2022.

Konfidence group to begin training for the batch 2019-2023, the next front runners for placements season by the end of April, 2022.

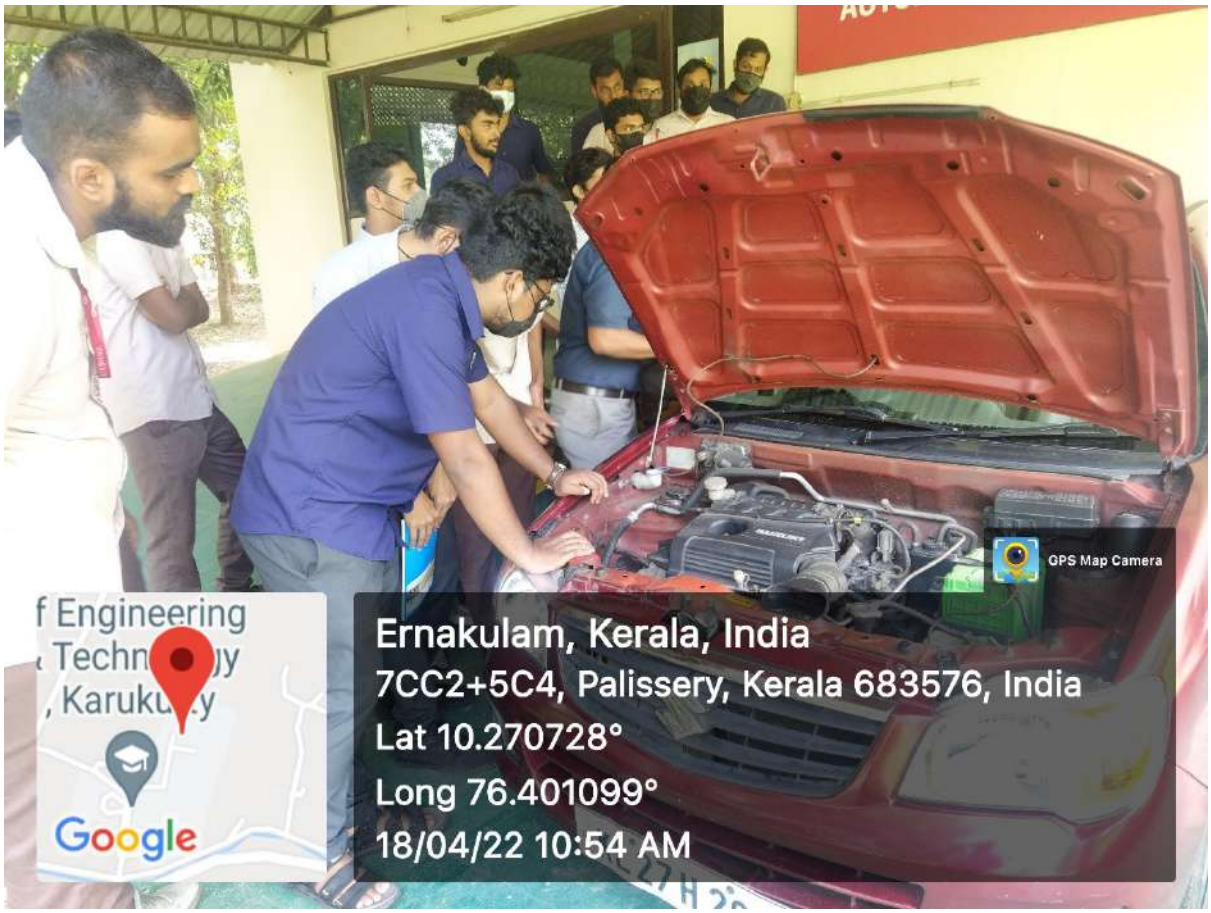
K.S. KANNAKI NATSENET of Computer Science and Engineering, batch 2018-2022 gets an offer from **Travancore Analytics**

Akshay Viswam of Computer Science and Engineering and Jeslin Merin Sajeev of Electronics and Communication Engineering, batch 2018-2022 get offers from **Capgemini** thus raising the number of offers to 197 at the end of March, 2022

April 2022

DEPARTMENT ACTIVITIES

TORQUE (Automobile association of SCMS) in association with SAE India Collegiate Club of SCMS organized a 2-day workshop on ECU remapping and on – board diagnostics from 18th April to 19th April 2022. The workshop was organized for the students of the **Department of Automobile Engineering.**



Mr. Koshy P Joseph, Assistant Professor, department of Automobile Engineering gave the students a hands-on experience on using diagnostic tools to read error codes stored in ECU's.

Mr. Vinoj P G, Assistant Professor, department of Electronics and communication gave a talk on Arduino and the use of it to learn ECU programming.

Mr. Lal Bharathan, MD, Lap 47 Performance Studio (An Automotive performance based studio_tuning the engines for better performance) shared his knowledge on the process of remapping an ECU.

Mr. Livin Varghese, Technical Trainer, Volkswagen Group Academy taught the students the purpose of various sensors and how they communicate with the ECU.

Department of Computer Science and Engineering organized an online workshop on “Android App Development” for school students from 8th grade to 12 th grade on April 12th 2022 and April,13th 2022.

Department of Computer Science and Engineering, SCMS School of Engineering and Technology, in Association with Crescent Public School, Chalakudy, conducted a session on "Career in Engineering" on 1st April 2022.

Training Program on Mike+ conducted by the Department of Civil Engineering

DHI India conducted a training program on Mike + for the faculty members from 4th to 8th April 2022. The training program was held at the Mike

Computational lab at SSET. Mike Computational lab is the first of its kind in Kerala. The lab aims to enhance the capability of SCMS in urban flood modelling and will act as a resource centre for various Government Departments in Kerala. The resource persons for the program were **Mr. James Ebenezer Samuel (Assistant Manager – Technical Support) and Alumini of SSET (M.Tech EE),**

Ms SreyaM (**MIKE – Technical Support Engineer)** from DHI. Dr. Nisha.L, Associate Professor & Head of the department, CED Dr. Ratish Menon, Associate Professor, Assistant Professors Dr. Praseeja AV, Ms Merin Mathew, Ms Roshni KR, Ms Sruthy S and Ms Meera Varghese participated in the training program.

The resource persons for the program **Mr. James Ebenezer Samuel (Assistant Manager – Technical Support) and Ms Sreya M (MIKE – Technical Support Engineer)** from DHI. Dr. Nisha.L, HOD Civil Engineering along with the faculty participants for the program.

Students from **Civil Engineering Department**, SCMS School of Engineering and Technology visited the Rainwater Harvesting structure at Companypady Station of KMRL on April 19th, which was installed with technical assistance from SCMS Water Institute. About 40 students from the campus accompanied by faculty members visited the facility and were quite excited to learn that our design is helping KMRL to reduce dependency on public water distribution network and is promoting sustainable development.

Department of Electrical and Electronics Engineering conducted an Industrial Institute
Interaction program on the topic "Transformer Design and Essentials" by Shahariya Rasheed
, Manager, TELK, Angamaly on 02/04/2022

Department of Electrical and Electronics Engineering conducted an Alumni talk on the
Topic "Electrical Engineers in IT field" by Misha George, Gokhul Nath and Joseph Babu,
TCS (Alumni 2021) on 09/04/2022

Department of Electronics and Communication Engineering, SSET organized a knowledge sharing session on the topic 'Brain to Brain Communication' by the resource person Ms. Hazel Elza John, Assistant Professor, Dept. of ECE, SSET on 25th March
2022.

An alumni talk for the undergraduate students of **Mechanical Engineering department** was held on 8th April 2022. The speaker is SSET's proud alumni, Mr Sai Prakash C P of Batch 2014-2018, doing post-graduation in Non-destructive testing at NIT Trichy. Mr Saiprakash presented his steps from SSET to IIT. He discussed about the rankings of various IITs and NITs. Mr Saiprakash also presented a glimpse of his undergoing projects. The talk was followed by discussion with audience.

The Department of Mechanical Engineering, SSET conducted a webinar on 'Shape Up The Influencer In You' by Vinod T V, Head - Business Development, ASAP Kerala on 13th April 2022 at 10.00 am. The webinar promoted motivational impetus in students thereby developing interest and engaging them in life-long learning in the context of necessary steps to be taken by students to fill the student entrepreneur gap.

Staff Achievements

The Project team with Ms. Deepasree Varma, Assistant Professor, CSE received a funding approval of Rs.7,55,000/- by RISL for the project "Social media analysis using explainable Artificial Intelligence based Techniques for less resourced languages' '.

Dr. Rag R L, got life-membership in Indian Society for Heat and Mass Transfer (ISHMT), a registered professional body at IIT - M.

Mr. Serin V Simpson, Assistant professor, CSE Delivered an online KSP session on "DevOps Engineering" on 30 March,2:30 pm

Student Project proposals from Dr. Anu and Ms. Rosebell titled Enhanced Blockchain Based Cloud Forensics Archietecture and An AI Based Swarm Wheel for system to detect Cracks in Railway Tracks have been shortlisted for final presentations by KTU.

Dr Raghav G R and team published a research article entitled "Investigation of Mechanical, Wear, and Corrosion Properties of Al–BN–SiC–RHA Hybrid Composites Synthesized Through Powder Metallurgy Process" in international Journal of Metallophysics and Advanced Technologies.

Dr. Gibin George and team published an article entitled "Flammability and flame retardancy of composites" in Journal of Textile and Apparel, Technology and Management.

Dr.Gibin George and team published a book Chapter entitled "Effect of Exfoliation on structural and electrochemical properties" in the book '2D Nanomaterials: Chemistry and Properties', published by CRC Press.

PLACEMENT ACTIVITIES

The placements for batch 2018-2022 updated at 110 students placed with 210 offers to their credit.

Names of the Companies that recruited students from Batch 2018-2022

2018 - 2022	
NAMES OF COMPANIES	RECRUITED
APPLEXUS TECHNOLOGIES	1
BLUE STAR	1
BYJU'S	1
CAPGEMINI	2
EXPERION	1
EY GDS	2
GADGEON SMART SYSTEMS	5
GAPBLUE SOFTWARE LABS PVT LTD	1
HEXAWARE TECHNOLOGIES LTD.	8
IBM	4
IBS SOFTWARE	14
INFOSYS	24
ITC INFOTECH	1
MAR LABS	6
MITSIGO	1
MYCAPTAIN	2
PRIMENUMBERS TECHNOLOGIES	1
QSPIDERS	12
QUEST GLOBAL	13
SOTI	1
SPERIDIAN	3
SQUARE YARDS	1
SUTHERLAND	8
TCS NINJA	48
TRAVANCORE ANALYTICS	1
UST	16
WHITE RABBIT GROUP	2
WIPRO	29
ZENSAR	1
TOTAL	210

The first phase of Pre Placement Training for the batch 2019-2023 commenced on 28th April 2022.

The remaining dates for the training are 4th, 10th, 19th of May 2022 and 15th, 21st June 2022
The training is being provided by **Konfidence**, 33/740 C, Link Retreat, Vennala P.O, Kochi 682028.

Autobahn Corporation conducted an On Campus recruitment drive on 23rd April, 2022 for the Mechanical and Automobile Engineering Students from Batch 2018-2022. Thirty-Six students participated in the drive and the results are awaited.

May 2022

Samathva Laptop Distribution Programme at SSET

As part of the launch of the scheme 'Samathva- Bridging the Digital Divide' initiated by APJ Abdul Kalam Technological University, 10 laptops were distributed to the students of SSET who are excellent in academics but facing economic hardship by Mr. Roji M John, MLA of Angamaly, on 25th April 2022. The scheme was inaugurated by Hon'ble Chief Minister Sri. Pinarayi Vijayan on 23rd March 2022 by handing over five laptops to students of various colleges. A total of 1000 laptops were distributed to the students across the colleges affiliated with the university in order to ensure an unhindered learning process during the current period of technology enabled learning process.

Mr. Roji M John, MLA of Angamaly handing over the laptop to a student of SSET along with Prof.Pramod P. Thevannoor, Vice Chairman SCMS Group, Prof.Gopakumar. S, Senior Group Director, Dr. Praveensal C J, Principal SSET, Dr. Anitha G Pillai, Dean of Academic Affairs.

DEPARTMENT ACTIVITIES

The SSET IEDC in association with the **Computer Science Department** hosted a workshop 'NFT EXPOVERSE' on 9th May 2022 with active participation of 115 delegates. The session was led by the students of SCMS School of Engineering and Technology who had prior experience and keen knowledge of the topic, and this provided an opportunity for the speakers to share their knowledge.

The **Department of Computer Science and Engineering** organized an online workshop on "Android App Development "for school students from 8th grade to 12 th grade on April 12th and 13th 2022. The final evaluation was done and

the winners of the Contest were announced on 19th April 2022 by experts from college and industry as well.

The project proposal titled “A Swarm-based AI aided Wheel Bot System to detect cracks in Railway tracks” has been approved for the financial assistance of Rs. 48260/- under the CERD Scheme of APJ Abdul Kalam University 2022. The primary objective of this project is to design and implement a railway track crack detection system through an interconnection of highly precise and mobile robots. Mr. Neeraj M, Mr. Neeraj Sagar, Mr. Vaibhav Nair, and Mr. Yadukrishnan P S of the **Department of Computer Science and Engineering** are the student investigators. The Principal Investigator is Ms. Rosebell Paul, Assistant Professor, and the Co-Investigator is Prof. Dr. Varun G Menon, HOD, of Computer Science and Engineering, SSET.

Department of Computer Science and Engineering organized a Technical Webinar on "Data Center Virtualization" on 10th May 2022. The resource person was Mr. Hassan K, CTO, MACOB IT Solutions LLC Dubai. The speaker gave details on developing and deploying a data center on virtualization and cloud computing technologies. The resource person also arranged a demo session on creating virtual machines.

A Knowledge sharing Program on “Introduction to Finite Element Modeling using ABAQUS” was held on 4th May 2022 by Ms. Geethu R Babu. Assistant Professor, **Department of Civil Engineering**, SSET.

Department of Electrical and Electronics Engineering conducted a knowledge sharing program on the topic “Salient aspects of Energy audit” by

Mrs. Deepa.S, Associate Professor on 23rd April 2022. The session discussed the need for energy audit as well as its types and different stages.

Department of Electrical and Electronics Engineering arranged an industrial visit at TELK,

Angamaly on 23rd April and to Chalakudy Substation on 29th April for S8 EEE Students.

Electrical and Electronics Engineering Department conducted a technical quiz in association with ACE- Association of Core Electricals for the students of S8, S6, and S4 Electrical and Electronics Engineering on 11th May. The certificates were also distributed to meritorious students and active participants in various club activities.

Department of Electronics and Communication Engineering, SSET organized a knowledge sharing session on the topic 'Soft Robotics' by the resource person Mrs. Mary Catherine, Assistant Professor, on 28th April 2022.

Department of Electronics and Communication Engineering, SSET organized a webinar on the topic 'Opportunities in Higher Studies' by the resource person **Ms. Sandra Sahadev**, **IT & amp; Software Development, SEMODU AG, Germany**, on 7th May 2022. She has been working for a German startup company as a software engineer and has also Co-founded an education and career consultancy company in India as an Entrepreneur.

The **Department of Basic Science and Humanities** celebrated World Health Day on 7th April 2022. The Theme for the day was Our Planet, Our Health.

The Department of Basic Science and Humanities organized a knowledge-sharing session on the topic "Cyber awareness for ourselves" by the resource person Mrs. Surya K A on 28th April 2022.

An awareness talk on “Industrial Safety” was organized by the **Department of Mechanical Engineering**, SSET in association with NDLI for the first-year students of the department on the occasion of ‘World Day for Safety and Health at Work’. The annual World Day for Safety and Health at Work celebrated on 28 April promotes the prevention of occupational accidents and diseases globally. **Prof. Stephy James, Assistant Professor, Department of Safety and Engineering, Toc H Institute of Science and Technology** was the speaker for the talk. The speaker discussed the importance of safety in the industry and stressed on many industrial disasters. The methods for reducing risk and the way to use fire extinguishers to reduce hazards were also discussed. A total of 44 students along with the faculty and staff of SSET attended the meeting.

SPORTS

There is nothing quite like sports when it comes to bringing people together. The students, teachers, and the non-teaching staff of SSET celebrated the Annual Sports Day 2021-22 from 4th to 7th May 2022. These were the most awaited 4 days of the year which the students of the SSET were eagerly looking forward to with great enthusiasm after a long pandemic break. Our beloved Principal Dr. Praveensal declared the meet open by playing Badminton followed by a felicitation speech by Dr. Anitha Pillai, Dean, Academics. The teams and players were highly motivated and eager to compete and show their athleticism for the overall Championship. The competitions were conducted in seven disciplines and great sportsman spirit was displayed by all the participants. It was a tough competition, but the 4 th year emerged as overall champions. On the concluding day, we had the valedictory ceremony with Dr. Praveensal, Principal, Dr. Anitha Pillai, Dean of Academics, and Dr. Mini Tom, Deputy Dean, SSET as our guests giving away the trophies to the winners.

Students actively participate showing their sportsmanship

Players line up to shake hands with Dr. Anitha G Pillai, The Dean of Academics, putting the pride and integrity of the game on display.

Final year students won the overall trophy by defeating the other semester students in various events

Final year students receiving the overall trophy from Dr. Praveensal C.J Principal of SSET

STAFF ACHIEVEMENTS

Mr. Rahul R Pai, Assistant Professor, Civil Engineering Department, successfully defended his Ph.D. thesis at NIT Surat on 9th May 2022.

Dr. Praseeja AV Assistant Professor, Civil Engineering Department published a paper titled “Impacts of Flood on water quality of Periyar river and remediation using Natural fibres” in SCI indexed Journal of Natural fibres.

PLACEMENT ACTIVITIES

Four sessions of Pre-Placement Training by Konfidence for batch 2019-2023 get completed with two more sessions to be undertaken in the month of June 2022.

D365 Solutions Pvt. Ltd conducting an on-campus placement drive for Students (batch 2018-2022) from Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, and Masters in Computer Applications on 20th May 2022.

More than 150 companies have already contacted us for placement drives. (batch 2018-2022)

June 2022

DEPARTMENT ACTIVITIES

The ***Department of Computer Science and Engineering*** has organized an online Faculty Development Program on ***"RESEARCH TRENDS AND APPLICATIONS OF IOT "*** *on* 23rd May 2022.The sessions were handled by experts from both Academics and Industry. The FDP focussed on the emerging and recent areas of research, adopted for many applications. The sessions enriched the attendees with the knowledge of the theoretical approach to describe the fundamentals for beginners as well as a practical approach with the implementation of case studies for intermediate and advanced readers.

A Knowledge sharing Program on "Data Analysis using Microsoft Excel for Beginners" was delivered by Ms. Remya Y K, Assistant Professor, **Department of Civil Engineering**, SSET on 30th May 2022 .

The Department of **Electrical and Electronics Engineering** hosted a career counselling programme for the students of Jawahar Navodaya Vidyalaya, Mayannur, Thrissur on May 22,2022. Dr. Jayanand.B, Head of Department, Ms. Deepa.S, Associate Professor and Ms. Lekshmi Babu, Assistant Professor of Electrical and Electronics Engineering were the resource persons. Students avidly questioned about various engineering fields and job chances.

The Five Days Faculty Development Program "Green Energy Technologies for Sustainable Development" was organized by **Department of Electrical and Electronics Engineering** on 23rd to 27th May 2022. There were 103 external registered participants and 12 internal participants. The topics covered in the sessions were Smart computing framework for Green Energy Management handled by Mr. Tibin Joseph, Project Engineer WSP UK, Sustainable

Development addressed by Dr. Nisha L,Head of the department, Civil Engineering,SSET, Solar Energy and its applications handled by Mr. Abhinav Kishore, Entrepreneur, Patna, Hydrogen fuel cell ; its applications delivered by Mr. Koshy P Joseph, Assistant Professor, Automobile Department, Integration of Green Energy to Grid explained by Dr. Jayanand B, Head of the Department Electrical and Electronics Engineering, SSET. The FDP gave an insight about Smart computing, Smart computing, Solar applications, applications & Integration of Green Energy to Grid with special emphasis to research perspectives.

Department of **Electronics and Communication Engineering**, SSET organized a knowledge sharing session on the topic 'Neuromorphic Computing' by the resource person Mrs. Tini Susan Abraham, Assistant Professor, Department of Electronics and Communication Engineering , SSET on 31st May 2022.

Department of Electronics and Communication Engineering, SSET organized a webinar on the topic 'Career Opportunities & amp; pathways in Electronics Engineering' by the resource person Ms. Sreedevi, Hardware Design Engineer, Intel Technology Pvt
Ltd, Bangalore.

Department of Basic Science and Humanities organized a knowledge sharing session on the topic "To shine in the workplace, it's all about communication" by Ms. Jane Theresa, Assistant Professor, Basic Science and Humanities, SSET on 30th May 2022.

The club "ATELIER" formed by the initiative of the **Department of Basic Science and Humanities** was inaugurated on May 23rd 2022, at the Seminar Hall. Logo launch and musical performance by the students were the highlights of the day. The club also performed an exuberant musical performance for Vipanchika on 4th June 2022.

STAFF TOUR - SSET UNPLUGGED 2022

14th May 2022 was the day for the staff of SSET to unwind and de-stress. When with a great team especially in an exquisitely beautiful place like 'The Village' it was much easier for everyone to relax. When all stepped out of the workplace, everyone could see a whole new fun side of the same people who sit and work with them every day. Everything was less formal and casual interactions opened up. The slowed heart rate, the genuine smile, and the ability to simply enjoy were an awakening experience for everyone. The day gave a perfect opportunity to have some interactive and fun games. After the fine-tuned team outing, everyone shared the same opinion that every once in a while, it's absolutely necessary to unplug a little bit and relax.

Team SSET on the carpet of fine green spongy grass at The Village

Team SSET experiencing the unique and exciting experiences at the outdoors

The SSET family enjoying in the interactive and fun filled games

VIPANCHIKA 2022

Vipanchika, the cultural fest of SSET was held at the campus on the 3rd and 4th of June 2022. Vipanchika is the annual arts fest conducted by SSET, featuring several art competitions for the students to exhibit their talents. Vipanchika 2022 provided the students a platform for improving their capabilities to work

as a team and raising their level of self-confidence by interacting with their fellow students. The flag-off of the fest was done by Mr.Vinay Fortt, a Film actor, on 2nd June 2022. The event was inaugurated on 3rd June 2022 by Mr. Balu Varghese, a Film actor. Over the two days, Vipanchika showcased a number of cultural events like group dance, split-screen, Voice of Vipanchika, Fashion show, and a number of off-stage events like solo instruments, arm wrestling, spot photography, minute to wrap it, which showcased a war zone of talents. On the first day, there was a band show by SM Band. There was also an interactive session with RJ Shampu in the amphitheater. The visit of 'Prakasham Parakate Team' for the film promo was the highlight of the day. The fest ended with a DJ pro-show which offered a playlist spanning multiple genres of music, caught the crowd's attention and added a wow quotient.

Mr. Mathew Thomas, Film Actor, with Team Prakasham Parakate in an interactive session at SSET as part of the cultural fest Vipanchika 2022.

Live foot tapping band performance by Siddharth Menon, Playback singer, Actor and versatile performer, at SSET, as part of the cultural fest ‘Vipanchika 2022’

DJ pro show at SSET as part of cultural fest ‘Vipanchika 2022’

SPORTS

Staff Badminton Tournament 2022

The Department of Physical Education had conducted a badminton tournament for both the staffs of SSET and SSA on 8th and 13th July 2022. There were 20 participants from both the campus and they competed against each other in 3 categories i.e. Women’s doubles, Mixed doubles and Men’s doubles. SSET’s beloved Principal Dr.Praveensal C.J inaugurated the event. The winners of the event were Ms. Aswathy Cherian and Ms.Asha. S, Assistant Professors of Computer Science Engineering, SSET for Women’s doubles, under Mixed doubles, Mr.Varun G Menon, Head of the Department and Ms. Aswathy Cherian, Assistant Professor of Computer Science Engineering, SSET grabbed the first position. For Men’s doubles, Varun G Menon, Head of the Department

of Computer Science and Engineering and Mr. Ajith Kumar, Assistant Professor of Mechanical Engineering Department, SSET won the match.

Team SSET and Team SSA smashed up with great sportsmanship at SSET indoor badminton court as part of the Staff Badminton Tournament 2022

STAFF ACHIEVEMENTS

Dr. Vidya Chandran published, Assistant Professor of Mechanical Engineering Department published a paper titled Numerical Study on Domain Independency for Prediction of Vortex Shedding Parameters of a Circular Cylinder, Lecture Notes in Mechanical Engineering, Springer.

Dr. Raghav G R, Assistant Professor of Mechanical Engineering Department, published a paper titled “Extraction of cellulose nanocrystals from red banana

peduncle agro-waste and application in environmentally friendly biocomposite film" in Polymer Composite, Wiley & sons, Scopus and SCI indexed, Impact factor- 3.15

Dr. Vidya Chandran was selected by the Association of Energy Engineers (AEE) to receive the Asia Subcontinent Region Energy Professional Development Award based on the performance of our chapter. The award will be presented on 20th September 2022 at the 2022 AEE Energy Conference & Expo in Atlanta.

Ms. Jesna K Sebastian, Assistant Professor of Basic Science and Humanities has published a paper titled "Cobalt (II) and Nickel (II) Complexes of a Schiff base: Synthesis, characterization and antimicrobial investigations." in the RASAYAN Journal of Chemistry in the month of June 2022.

Dr. Geethu R, Assistant Professor has published a paper titled" Poly (3-hexyl thiphene-benzothiadiazole) DA copolymer for low Voc loss bulk heterojunction solar cells" in Opitical Materials in the month of May 2022.

STUDENT ACHIEVEMENTS

Mr. Abhijith Krishna and Amin Safeeq, students of Department of Computer Science and Engineering have secured second prize in the coding competition conducted by SCMS School of Technology and Management.

PLACEMENT ACTIVITIES

Byjus selected three from our 2017-2021 batch bringing the placed numbers to 161 and 287 offers

Three of our 2018-2022 batch students get placed with Autobahn Corporation.

Pkj Technologies offer three students placements from the batch 2018-2022.

One student from MCA gets placed with NeST Digital from batch 2020-2022

Konfidence completes the 1st phase of pre-placement training for the 2019-2023 batch

Know more about Core Jobs - Students from Mechanical Engineering batch 2018-2022 visited M/s Kurlis Pvt. Ltd. on 1st June 2022. The purpose of this visit was to enlighten the students about the machinery and work patterns of such companies.

Mechanical Engineering Students with Placement Officer Dr. Jayanand B and Mr. Eldho Kuriakose Proprietor of M/s Kurlis Pvt. Ltd.

Mr. Jayesh Mohan Batch 2017-2021 placed with Ms. Kurlis Pvt. Ltd. explains about the functioning of the machinery to the students of Mechanical Engineering batch 2018-2022.

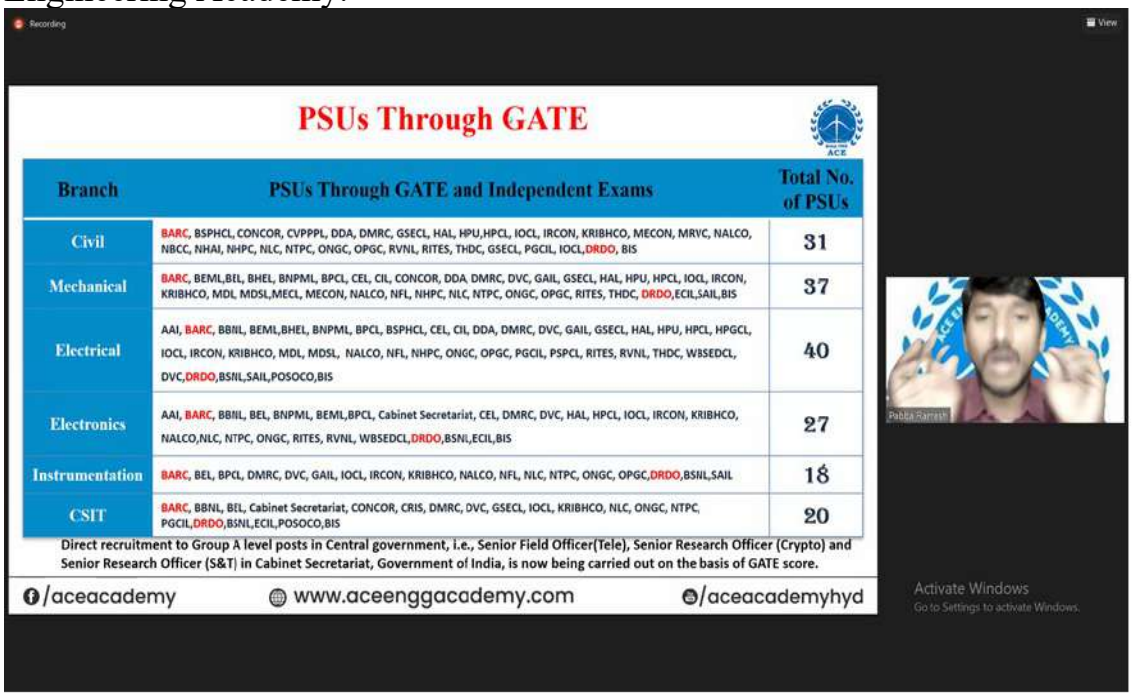
Computer Science and Engineering students visited UST Global Head Office at Kochi as part of an industrial visit cum placement opportunity on the 8th of June 2022.

Batch 2019-2023 from Computer Science and Engineering along with Faculties and Officials from UST Global Ltd.

Nissan conducts online interviews on 8th June 2022

Ace Engineering Academy conducts an online webinar on Options in Career after Engineering on 18th June 2022. The students of batch 2018-2022 and 2019-2023 participated in the webinar.

Mr. Pabba Ramesh (Motivational Speaker-Career Guidance) and Senior Faculty of ACE Academy speaking at the online webinar conducted by ACE Engineering Academy.



176 Companies have so far offered placement opportunities to our students from batch 2018-2022.