FEBRUARY 2021

Licetronicles

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LOYOLA-ICAM COLLEGE OF ENGINEERING AND TECHNOLOGY
NUNGAMBAKKAM, CHENNAI-600034.

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Contents

#Microphone

Dr. S. Sengole Merlin

Dean of Women Students

International Women's Day

LICET believes that every student has great potential to be a leader, and could be shaped to be of tremendous use to the society. In order to realize this, the college has many forums and clubs focusing on various themes and domains. One among those is the SHE forum. SHE (See Her Empowered) was launched with the objective of giving the women students of our college an exclusive space to showcase their talents, enable them to take on new challenges with courage, and explore how powerful they truly are. As part of this initiative, we organized a myriad of events in celebration of womanhood, and the response and appreciation we received for each of them were truly remarkable and overwhelming. The students have been the sole foundation of SHE. During all these years, they have been extremely responsive, helpful, and enthusiastic in every step - be it ideating, brainstorming for ideas, or planning the events.

A special note to all the girls. Remember, that every day is your day. Life is full of possibilities and even when you don't get what you want, don't give up on your dreams. Move on with more vigour and tenacity and be better than yesterday. After all, you'll only regret the chances you did not grab. This year, the motto of International Women's Day is 'Choose to Challenge', and I want each of you to challenge your insecurities, your innate fears, and your worst nightmares. A strong woman is someone who'd walk alone, rather than follow someone's shadow. With grit and determination, nothing is impossible. You are the future and I can already see each of you blooming to be strong women with a vision.

I wish all the girls and women staff members a very happy and wonderful Women's Day.

Dr S Sengole Merlin
Dean of Women Students

The World after COVID

Environmental impact of COVID-19 on Earth.

What Comes Next

COVID-19: A setback on sail.

Deepthi Lakshitha
I Year, IT

Are you leisurely leaning on your balcony balustrade, breathing in fresh air? Or have you caught sight of a blue sky and decided that this picturesque charm is a blessing of the quarantine? Well, all isn't what it seems.

The unforeseen intrusion of Covid-19 that disrupted mundane life, much unwelcomed, has compelled humanity to scamper back towards the safety and security of their homes. Consequently, this has imposed clamp down on commutations inside and across countries - a great upheaval that has contributed to social, economic, scholastic and environmental changes.

'Nature is painting for us, day after day, pictures of infinite beauty if only we have the eyes to see them.' - John Ruskin

But this indomitable beauty has often been mistreated and the strain of a sudden pandemic further propelled its change. The environment has been affected predominantly but occasionally the perspective of the general public shrinks to the exterior overview. A clear sky and breathable, fresh air during the first few months of lockdown is no promise of a flourishing habitat.

We can agree that the impact of Covid-19 on air quality around the world was indubitably quite drastic, especially in India, which has been a decades-long victim to endless miles of polluted air. Global quarantine has made frightened citizens to embark on a life of isolation. This means less vehicles on road and subsequently improved air quality as transportation is one among the prime reasons for pollution. As industries, transport networks and businesses have closed down, it has brought a sudden drop in carbon emission and levels of noise pollution. With everything at a standstill, plants thrived and grew and produced more coverage and oxygen.

Have you ever thrown a dignified glance at hand sanitizers before? Well, now they have become the greatest bestowal in a panic filled year of pandemic. And the ordinary routine of cleanliness has blown up to the spike of anguish desperation. The fear of infection has increased the sale of hand sanitizers, disposable masks and gloves. These past few months have also given rise to soaring home food deliveries and online shopping. And as billions of people were wearing one or two masks per day on an average, the generated waste is monumental.

As crucial as it is to protect the vulnerable, the health workers must be able to assist without any overwhelming hitch in health care systems, with the promise of safe procedures. But to satisfy these imperatives, the environment and the public health are under risk from plastic waste. Plastic cups, PPE (Personal Protective Equipment), surgical masks, swab test instruments are pivotal for front line health care workers to treat and

COVID-19: A setback on sail.

diagnose the infection. Unquestionably, single-use plastics have played a vital role in Covid-19. But it is no secret that plastic-based products have a long afterlife, after they are discarded, ending up in landfills or oceans. At the end of the day, plastic waste is generated in innumerable tons and nature is ultimately degraded with no further recycling process available at the moment.

And water, in the way of life, is unequivocally an 'elixir'. Frequent scrubbing of hands demands for clean water in larger quantities which leads to colossal pressure on water bodies. To tackle this predicament, transboundary water resources are called upon for recovery which may further lead to transboundary tensions and conflicts. And we certainly cannot afford such disputes at this time of tragedy.

The global lockdown has also wreaked havoc on fishing, tourism and maritime transport industries. The ceaseless movement of ships has harmed the seas, mass tourism has ravaged some of the planet's richest and most fragile ecosystems - like mangroves and corals. Whew! The lockdown has been a respite for the oceans of our world indeed! But Coral reef tourism generates billions annually which has been the chief driver for marine conservation.

A curb on tourism also means an abrupt reduction in pollution of varying forms too: air emissions, noise, solid waste and littering, releases of sewage and even architectural damage. However, ecotourism had met its own downfall during Covid-19.

The lockdown is bad news for wildlife and resident communities since they receive their monetary support from the income generated by the parks. And dreadfully, parks are funded low. This leaves the communities with no choice but to pursue land use practices to provide for their immediate needs. In recent months illegal loggers, miners, and poachers have also faced little hindrance from law enforcement as they grab public land. The pandemic may prove to be the insolent cause for such a plight. Simple daily-wage labourers have lost their jobs overnight leading to urban - rural migration. Some are forced to resort to such illegal practices to support themselves while others thrive on hunting for bushmeat, poaching, unearthing precious stones from mines and wildlife trafficking. Doubtlessly, these activities undermine wildlife conservation.

The onslaught of Covid-19 pandemic is a distressing pandemonium that has befallen the globe. The rising problems faced by our environment must soon be solved before it is too late. The clean air we breathe at the moment might soon be a memory at the very end of quarantine unless we take the initiative to develop sustainability.

Amidst the voyage of a prosperous life lies the intertwined fates of nature and mankind; and isn't it our moral obligation to nurture and nourish our environment? After all,

'Plans to protect air and water, wilderness and wildlife are in fact plans to protect man.'

-Stewart Udall

Double Sided, isn't she?

Yazheka Krish
III Year, ECE

She came into this world secretly and her birth is not well defined. Initially she was unnoticed but later she started to rewrite history. As time progressed, she came into power. She threatened the world economically and emotionally. She gatecrashed the human bodies and infected them before they could realize. Her effects are slow and deadly. The biomedical wastes created on her behalf increased drastically and dumped into the land. Disposal of PPE had the greatest environmental effect. Alcohol based hand sanitizers are highly recommended for frequent hand hygiene, which are mainly made up of ethanol, isopropyl alcohols and hydrogen peroxides in different combinations. This combination may become toxic to human health and environment when misused. Recent studies also proved that this may cause alcohol poisoning in children. As every coin has two sides, she showed her beautiful side too. She calmed the world and cleared the busy roads. As per the press release of the World Health Organization (2nd May 2018), around 7 million people die every year from exposure to fine particles in polluted air. The reduction of fossil fuel reduced the percentage of harmful composition in the air and indirectly she saved lives. As the industries were not operating, the harmful wastes were not released into the water bodies.

She encouraged the birds to sing and created the best environment for them. She protected our ozone layer by drastically decreasing the harmful pollutants in air. She fought against pollution much better than we could. Nature fell in love with her. She made space and time for the loved ones, that helped relationships grow stronger and healthier. She made us believe in equality. In her world partiality did not exist. She made us believe that unity is the true solution. She left us wondering, what better or worse a small VIRUS (COVID 19) like her can do? Vaccines might prevent her but the memories and impact she left behind will always remain in our hearts. Her death is not too long, as nothing in this world is permanent. Everything comes to an end.

Environmental Impact of COVID-19

Mary Shivani
I Year, IT

In late December 2019 in the city of Wuhan, China, an unusual pneumonia was noticed with a link to a market that sells poultry and other animal protein to the public. This event was soon reported to the world health organization. The causal microorganism had been identified as a novel coronavirus that was named covid-19. Covid -19 soon spread to the other parts of the world. The world health organization has declared the situation a pandemic. Covid- 19 pandemic has impacted every aspect of human life and the global economy. Due to the unusual outbreak of covid-19, almost every big and small city and village in the affected countries like China, Taiwan, Italy, USA, France, Spain, Turkey, Iran, Germany, South Korea, U.K, India, Australia and many more are under partial or total lockdown for a long period of time ranging from a few weeks up to a few months. In big cities, the inhabitants are experiencing a clear sky for the first time in their lives. The pollution level in tourist spots such as forests, beaches, hill area, etc, is also shrinking largely. Ozone layer has been found to have revived to some extent. Ecosystems are being greatly recovered.

Environmental Impact of COVID-19

The pandemic has displayed contrasting consequences on human civilization, in the sense that it has caused a worldwide panic situation but created a very positive impact on the environment. The economic shutdown due to covid-19 has had two monumental impacts on our environment. It has improved our air and water quality dramatically and slashed our material consumption, water usage and waste production. Covid-19 pandemic has huge impacts on most aspects of human activities, as well as on the economy and health care systems. Lock- downs, quarantines and border closures in the wake of the pandemic have led to reductions in air pollution through decreased travel and production. These positive environmental effects are likely to be mostly temporary, but may serve as an example, that changes in our way of life can prompt positive effects in the environment and demonstrate the advantage of travel reducing measures such as teleconferencing, thus, acknowledging that covid-19, first and foremost is a global disaster and the pandemic may be an inspiration to future behavioural changes with positive environmental effects. While covid-19 pandemic has had an obvious and dramatic impact on our work environment, it is less obvious, supposed Vincent - Henri Peuch, that the present situation may have a huge influence on our approach in tackling pollution.(Hasan Eroglu, 2020, IPCC, 2020) Certainly the experiences learnt from pandemic lockdown provide important insights into tackling the problem of air contamination. Data from CPCB (Central Pollution Control Board) and UPPCB (Uttar Pradesh Pollution Control Board) show that the Ganga water along its most polluted stretch in Uttar Pradesh is carrying more dissolved oxygen and less nitrates. These conditions are conducive for the survival of aquatic life. Similar positive developments
have been reported about the Yamuna.

Covid-19 and its associated lockdown has given us a rare opportunity to step back and assess our impact on the environment. We are witnessing clean air, water and livable cities that we have demanded for so long, precisely because we have been shut away. Thus, before we resume life as usual, we should make a commitment to instill the principles of sustainable development in our social behaviour, lifestyle and public policy making, to make our environment clean and sustainable.

Gaia's Vaccine

Melodina Carnelian
II Year, ECE

In the parable of Prodigal Son, the father is forced to give his younger son his inheritance as he demanded the same and goes to live a lavish lifestyle wasting his fortune and taking too much advantage of his possessions. Subsequently, he runs out of money that takes him to the point of starvation, whereupon he returns home feeling his unworthiness to be a son.

Just as the prodigal son, we humans have taken too much advantage of our mother earth. We have taken her for granted, depleting many natural resources and even disturbed the survival of other living beings. We triggered global warming, ozone layer depletion, climate change, and most importantly polluted or contaminated natural resources. Despite fast-emerging technologies, we could not heal our planet. Ironically, a disease has managed to clean up our environment. I would say that COVID(Cause of Vaccine In De' Terre(earth)) is the BEST VACCINE to cure our terrain. Statistics shows us that pollution has been reduced to 20% which was impossible for the last 60 years. Fresh air, clean water, and freedom to most of the creatures were made possible by this disease. "When we take things for granted, the things you are granted, get taken"

Three important problems COVID cured:

- Overpopulation
- Pollution
- Loss of biodiversity

The most important part that COVID cured is OVERPOPULATION. The population of the planet is reaching unsustainable levels as it faces a shortage of resources like water, fuel, and food. Population explosion in less developed and developing countries is straining the already scarce resources. Intensive agriculture practised to produce food, damages the environment through the use of chemical fertilizer, pesticides, and insecticides. Overpopulation is one of the crucial current environmental problems and the main cause of poverty.

Here it is right to mention the fact that India is the second most populated country, but COVID has curbed it to some extent , though being a painful process.

The second most solved problem by COVID is POLLUTION. The only thing we mostly hear in India is pollution of air and noise. Pollution of air, water, and soil requires millions of years to recoup. Industry and motor vehicle exhaust are the number one pollutants. Heavy metals, nitrates, and plastic are toxins responsible for pollution.

Gaia's Vaccine

While water pollution is caused by the oil spill, acid rain and urban runoff, air pollution is by various gases and toxins released by industries and factories and combustion of fossil fuels. Soil pollution is majorly caused by industrial waste that deprives the soil of essential nutrients. And by shutting down most of the industries during Covid, not to mention the lockdown, the pollution from industries and vehicles were greatly reduced. Of course the duration of lockdown played a major role here.

The third most important is LOSS OF BIODIVERSITY. Human activity is leading to the extinction of species and habitats and hence the loss of biodiversity. Ecosystems, which took millions of years to perfect, are in danger when any species' population is decimating. Balance of natural processes like pollination is crucial to the survival of the ecosystem and human activity threatens the same. Another example is the destruction of coral reefs in the oceans which support the rich marine life. All these resources are used in a small quantity for the basic needs of man which has a great impact on the environment.

To conclude, currently the entire globe is struggling to figure out the absolute strategies to combat Covid-19. But the early lockdown implemented has shown a typical way towards restoring the ecosystem and environment.

While we are panicking, mother earth is healing!

TECH TALKS

Dr. Kunaraj on AI in Medical Image Computing

Mr. Regis on Potent of a Crack

Jyotsna Callista on TACTILE- Instant Converter of Text to Braille

#TechTalks

AI in Medical Image Computing

Dr. Kunaraj
Associate Professor, ECE

Medical imaging is commonly used by the doctors over the years to diagnose various diseases and perhaps it also helps in prognosis.

There are several such examples of classical image processing and signal processing algorithms as part of computer assistance. With the development of robust Artificial Intelligence (AI) algorithms for medical image processing, the doctors are seeing a significant technology improvement, as most of the scientific test results are promising.

Segments in Medical Imaging

AI based medical imaging depends on huge medical datasets to train specific algorithms in order to find the necessary patterns. A few of the key segments in medical image analysis are:

AI in Medical Image Analysis		
	Brain Imaging	Detection of Tumours
		Anatomical Segmentations of the Brain regions
	Chest Imaging	Classification of Chest X-Rays
		Heat Map of suspicious regions
	Breast Imaging	Analysis of Mammograms
		Breast Cancer - Risk Prediction
	Cardiac Imaging	Ventricle Segmentation
		Slice Classification
	Musculo-Skeletal Imaging	Segmentation, Identification of Bone and Joint
		Soft Tissue Abnormalities

AI in Medical Image Computing

Need for AI in Medical Imaging

Early detection of various diseases helps in easy treatment and recovery. Quantitative methods of evaluating medical images require considerable computational time as the dataset size increases and also the accuracy is questionable. On the other hand, AI algorithms if properly trained can perform the above tasks easily with acceptable diagnostic accuracy.

- Higher automation
- Increased productivity
- More accurate diagnosis
- Computing quantitative data

LICET Preparedness & Contribution

To cater to the current demands and foreseeing the future perspective of AI, LICET is working towards a high performance computing facility for multidisciplinary applications. LICET is one of the proud winners of NVIDIA GPU Grants which is a package of a couple of embedded super computers and GPUs.

- TITAN RTX
- QUADRO RTX 6000
- JETSON TX2 Developer Kit

AI - Med startups in India

As of April 2020, there are 201 AI in Healthcare startups in India (Source: tracxn.com). Axtria, SigTuple, Perfint Healthcare, Mfine, Qure.ai, Tricog, Niramai, HealthPlix, MyHealthcare, and Wysa, to name a few.

Future Prospectus

AI-based medical imaging adds significant clinical value to the doctors and it has scope to develop further as it gains more data. The proliferation of AI-based medical imaging tools is a typical example to this. The world market for AI-based clinical applications for the use in medical imaging is set to reach almost $1.5 billion by 2024 (source: signifyresearch.net). The future shall definitely have computer aided diagnosis systems as a part of the regular clinical procedure.

Potent of a Crack

Mr Regis
Assistant Professor, Mech.

The legendary Steve Jobs once observed, "Design is not how it looks like, but design is how it works". The goal of design engineers is to make sure that the stresses generated in the component or structure are within the acceptable limits for all types of materials chosen and for all types of environmental conditions encountered. Leonardo Da Vinci was one of the first scientists to do an authoritative tensile test experiment. He concluded that long specimens are weaker compared to short specimens. Though the experimental results substantiate Da Vinci's argument, one cannot overlook other influential factors. It has now been proved beyond all reasonable doubts that long specimens fail due to defects. One can intuitively comprehend this concept by looking at the section where failure occurs. If there are no flaws a specimen would always fail at the mid section.

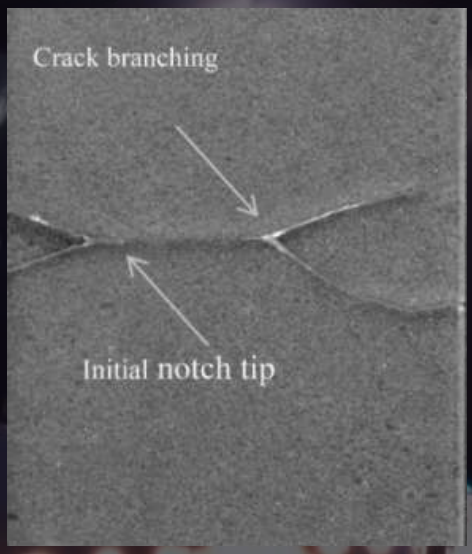
In 1920, Griffith put forward the idea of critical crack length. The sum and substance of Griffith's theory is that, when a material is subjected to fatigue loading, cracks grow over a period of time, reach a critical length and then the brittle material undergoes spectacular failure. The concepts developed by Griffith for ductile materials were extended to ductile materials by Iwin in the year 1948. Irwin, localized his attention on crack-tips, came up with workable parameters like stress intensity factors and energy release rate.

Throughout history, many catastrophic failures have occurred due to crack growth. When the first jet airliner, De Havilland Comet, was launched in 1952, people who had enough money to indulge and gratify their desires, booked the tickets to avoid bumpy rides encountered in propeller powered aircrafts. Comet carried 28000 passengers with a total of 104 million miles during its first year of operation. After 18 months of service, two aircrafts disappeared. Nonetheless, the confidence was undiminished, until in 1954, a comet from Rome plunged into the sea from an altitude of 26,000 ft. Exhaustive efforts were made to salvage the wreckage using underwater television cameras. The wreckage was reconstructed to find out the cause of the failure. The engineers and scientists learned to their dismay that the cabin itself had disintegrated.

Potent of a Crack

To find out the root cause of the failure, a comet was subjected to full-scale flight simulation testing at Farnborough. The fuselage was subjected to hydraulic pressure in cycles and the wings were flexed using jacks to simulate the real time flight loads. After 1836 simulated cycles, a 2mm crack was detected near the escape window, which would eventually rupture the cabin wall.

Comet Subjected to experimental fatigue loading



Branching of cracks to dissipate Energy

It was concluded that the growth of crack due to fatigue loading caused the catastrophic failure of 3 comets.

In 1961, P.C.Paris, introduced a mathematical equation that enables engineers to predict the total number of fatigue cycles a material can withstand before failure. Taking into account the effect of the environment, an augmented and improved version of this law is built into modern analysis softwares like FRANC3D, NASGRO etc.

Dynamic Photoelasticity experiment has proved that cracks can only travel at Rayleigh speed. Therefore, everytime you see cracks branching out you can come to the conclusion that it behaves that way to dissipate energy.

It has been and still is, a challenge for engineers to find out the behaviour of cracks for the type of material chosen and for a specific environmental condition encountered. It is a moral obligation of young minds to pay monomaniacal attention to the potential of a crack to avoid spectacular failures.

TACTILE - Instant Converter of Text to Braille

Jyotsna Callista
I Year, Mech A

"Reading for me has always meant braille. Even though I appreciate the audiobooks I would prefer reading" says Peter White who lost his sight at the age of 12. But unfortunately, we only have 1% of the books available in braille. It is time consuming, expensive, space occupying to convert text to braille. But this affecting their education and career is not fair. We do have read-out-loud technology to substitute braille, right? Well, we have physical texts to read and not the digital version of every book or information. It takes a lot of effort to convert that text to audio. Ike Presley, the National Project Manager for the American Foundation for the blind mentions "Auditory is great...but it doesn't give you literacy".

Now, what if we combine technology and braille? A group of young students from MIT-Massachusetts Institute of Technology, came up with an idea of a device, "Tactile". It has the technology that converts printed text to braille. The low-cost, portable handheld device is designed to help the visually impaired with increased access to real-time text around them, such as printed menus, flyers, mail and bills. Friends, Chandani Doshi '17, Grace Li '17, Jessica Shi '17, Chen Wang '17, and Charlene Xia '17, since their freshmen year worked and came up with the idea to make braille as part of MakeMIT 2016, the annual hardware hackathon run by the student organization TechX. Their concept, called Tactile, was awarded first prize and got sponsorship from Microsoft. The team's latest prototype, can display six characters at a time and has a built-in camera. Users can place it down on a line of the text and with a push of a button, can take an image using the device. Optical character recognition then takes over, identifying the characters on the page using Microsoft's Computer Vision API. Then the team's software translates each character into braille and subsequently triggers the mechanical system in the box to raise and lower the pins.

Then, they started looking for funds and other support to make a more robust prototype. It was made possible and they patented their invention. They are currently* beta testing the product in the Boston area and have a plan to use the prize money to refine and streamline their prototype and make the device even smaller.

The final product must cost less than 200 USD, the team says. And soon, the visually impaired people will be able to access real-time text and have a much better education of the subject.

ACADEMIC EVENTS

#AcademicEvents

#Academic Events

FEB 1st

PUBLICATION

Mr G.K. Sathishkumar, AP/Mech, Dr. P. Karthik, Prof/Mech and Mr. M. Martin Charles, AP/Mech have published a manuscript titled Influence of Lignite Fly Ash on the Structural and Mechanical Properties of Banana Fiber Containing Epoxy Polymer Matrix Composite in Polymer Bulletin (A group of Springer Nature publication) which has an impact factor of 2.014.

FEB 1st

FDP

Dr P Karthik, Prof / Mech, participated in a faculty development programme on Sheet Metal Design Using Solid Works conducted by ICT Academy

FEB 1st

FDP

Ms.R.Nilavu, AP/S&H, Ms.Shenbaga Devi, AP/S&H and Mr.Mario Cassion Anand , AP/S&H attended FDP on Universal Human Values organised by AICTE

FEB 2nd

ONLINE COURSE

Nisha Murali and Claudia Roshini S of III CSE successfully completed an online, non-credit specialization course on Architecting with Google Compute Engine in Coursera.

FEB 3rd

WEBINAR

Ms Prabha B, AP/IT attended a webinar on Utilizing AI & Data for Agile Banking & Fraud Management conducted by BrightTalk

FEB 3rd

ONLINE COURSE

Jennifer Lesly S of III IT successfully completed an online non-credit course, Project Network on Introduction to Accessible Web Development, authorized by Coursera.

#Academic Events

FEB 4th

STUDENT ACHIEVEMENT

Esther, Jesuvi , Hariharan, Nithyashree, Praneetha of III EEE are shortlisted for the Phase II selection process of ET campus star.

FEB 5th

FDP

Dr. S. Prathiba, HoD/EEE attended a five day FDP on Universal Human Values from 1st to 5th Feb 2020 conducted by AICTE

FEB 5th

WEBINAR

A webinar on Fuel Conservation was organised by Rotaract club of LICET and ARME , on 5th Feb 2021. Mr. K. Anilkumar,empanelled speaker Petroleum Conservation Research Association (PCRA) Chennai was the guest speaker. This webinar was part of a campaign to sensitize the masses about the conservation and efficient use of petroleum products towards achieving twin objectives of better health & environment and securing the availability of oil & gas for future generations. The campaign was named SAKSHAM 2021 (Sanrakshan Kshamta Mahotsav) under the aegis of Ministry of Petroleum & Natural Gas.

FEB 6th

CONFERENCE

Mr. Mario Cassion Anand AP/ English has participated in a one day multidisciplinary international e-conference on Interdisciplinary View on Socio-Economic, Educational, Management, Environmental, Research, Language and Sustainable Development in Covid-19 Pandemic Situation organized by the IQAC Cell of Rashtrasant Tukdoji Mahavidyalaya, Chimur

FEB 6th

PUBLICATION

Mr. Mario Cassion Anand, AP/ S&H published a paper titled A Change of Word from the Fall of Civilization: A View from George R.Stewart's novel Earth Abides in Akshar Wangmay, a UGC Care listed Journal.

FEB 8th

PUBLICATION

Mr.A. Mario Cassion Anand AP/English published a research article on The Use of Technology in English Language Learning in Vishwabharathi Research Centre, International Journal.

#Academic Events

FEB 11th	ONLINE COURSE	Clement Maria Prasan of IV IT completed an online non-credit course authorized by Amazon Web Services in AWS Fundamentals: Going Cloud-Native through Coursera
FEB 11th	CONFERENCE	Ms.Vidhya. R, AP/ECE presented a paper titled Transformer Breather Thermal Image Decomposition for Fault Diognosis in Scopus-indexed - IEEE sponsered, 7th international conference on Electrical Energy Systems (ICEEES 2021) held at SSN College of Engineering from 11th to 13th Feb 2021.
FEB 12th	ONLINE COURSE	Clement Maria Prasan of IV IT completed an online non-credit course, System on Hacking and Patching through Coursera and authorized by the University of Colorado.
FEB 15th	ONLINE COURSE	Jennifer Lesly S of III IT completed an online non-credit course on Mind Control: Managing Your Mental Health During COVID-19, authorized by the University of Toronto, through Coursera.
FEB 15th	PUBLICATION	Mr. G.K. Sathishkumar AP/Mech authored a book titled Microstrip Antenna Design for Wireless Applications and is published by CRC Press, Taylor and Francis, online ISBN 9780367554385
FEB 17th	FDP	Dr P Karthik, Prof / Mech, participated in a Faculty Development Programme on A Spectrum of Disruptive Technologies by PALS BIL

#Academic Events

FEB 19th	INTERNSHIP	Krithika N of II IT completed her internship as a Design Intern at Cosmos Media from 19th Nov 2020 to 19th Feburary 2021.
FEB 19th	ONLINE COURSE	Dhipti E of III CSE completed an online, non-credit specialization architecting course with Google Compute Engine,specialization of five courses in Coursera.
FEB 20th	STUDENT ACHIEVEMENT	Mckenzie Lionel Joseph P of III EEE participated in NCU Codathon 2021, a 24 hour hackathon organized by The NorthCap University IEEE student batch and secured fifth place and received a cash prize of Rs.1000/-
FEB 20th	ONLINE COURSE	Sharwin Xavier R of II IT completed an online non-credit course authorized by Google Cloud and offered through Coursera in Google Cloud Platform Fundamentals: Core Infrastructure through Coursera
FEB 21st	ONLINE COURSE	Danush Kumar of III CSE completed an online non-credit course authorized by Google on Introduction to Git and GitHub offered through Coursera
FEB 21st	ONLINE COURSE	Sherin Sneha J of II IT successfully competed an online non-credit course, Getting Started With Application Development, authorized by Google Cloud and offered through Coursera.

#Academic Events

FEB 22nd

FDP

Mr Ezhil Ruban, AP/Mech and Dr. P. Karthik, Prof/Mech participated in a Faculty Development Programme on Productive Tools in AUTOCAD conducted by ICT academy from 22nd to 26th February 2021.

FEB 22nd

WORKSHOP

II Year Mechanical Engnieering students attended a 5 day online workshop on Fundalmentals of HVAC between 22nd February to 26th February, 2021 conducted by DAIKIN. Mr S.P Singh, Regional Training & Development Manager, DAIKIN Air conditioning India Pvt.Ltd. demystified the critical concepts pertinent to HVAC.

FEB 23rd

PUBLICATION

Mr G.K. Sathishkumar's (AP/Mech) manuscript titled Solid State Switching, Using Wireless Network in Home is accepted in Materials Today, Proceedings (ELSEVIER publication) which has an impact factor of 1.3.

FEB 23rd

RESOURCE PERSON

Dr P Karthik, Prof/Mech, delivered a virtual guest lecture on Applications of Engineering Mechanics in Day To Day life organised by SV College of Engineering, Tirupati, Andhra Pradesh.

FEB 24th

STUDENT PARTICIPATION

Mckenzie Lionel Joseph P of III EEE participated in MTX HackOlympics, an event of Shaastra21 organised by IIT Madras.

#Academic Events

FEB 25th

WEBINAR

Ms. L. Ramya Hyacinth, AP/ EEE attended a webinar on An Introduction to EMF Studies in XGSLab organised by Greymatters Academy, Bristol, England

FEB 26th

ONLINE COURSE

Clement Maria Prasan A successfully completed an online course on Complete Python Bootcamp from Zero to Hero in Python, through Udemy.

FEB 26th

ONLINE COURSE

Kanish Kumar K of I CSE completed sessions on AL&ML, IoT, Cyber Security, Block Chain, Full Stack Development by joining a one day 4.0 Tech online Boot Camp organized by CCBP 4.0 Tech Community.

FEB 26th

TECHNICAL EVENT

Ashik Sharon M of I CSE was certified for securing 5672nd rank, scoring 170/300 at CodeKaze'21,India's most awaited online coding event.

FEB 27th

PATENT FILLING

Ms Prabha B, AP/IT has filled patent for the Cloud Computing System for Medical Health Care through Intelluctual Property India

#Academic Events

FEB 27th

ONLINE COURSE

Smith S Trivedi of IV IT successfully completed an online non-credit course authorized by Coursera Project Network in Big Data with Scala and Spark through Coursera

FEB 27th

WORKSHOP

Ashik S of I IT attended workshop on Block Chain and Crytocurrency organized by IIT Madras.

FEB 27th

PAPER PRESENTATION

Ms Prabha B, AP/IT and Anjana of IV ITpresented paper titled Carnatic Notes Generator for Music Tunes Using Audio Segmentation and Processing with Neural Networks at the conference - CICCN'21, conducted by Anna University.

FEB 28th

ONLINE QUIZ

Jennifer Lesly S of III IT participated in Safer Internet Day Quiz, conducted from 9th to 28th Feburary 2021 by NCERT

PLACEMENT NEWS

LICETians' Placement Offers, Internships, Company Trainings of February 2021.

Also, Mock Interviews and GDs hosted by the faculty.

#PlacementBytes

#Placement News

FEB 10th

PLACEMENT OFFER

2 from the Mechanical Department, Joel George Ignatius and Joseph Kevin Peter of class 2020 got placed in Robert Bosch.

FEB 14th

PLACEMENT OFFER

Sanjeevi from CSE and Rakshini from IT, class of 2021 got placed in Excelacom Technologies.

FEB 14th

PLACEMENT OFFER

Sneha from CSE, class of 2021 got placed in TCS.

FEB 20th

PROGRAMME TRAINING

A special 2 day Programming Training was conducted for 12 of final year Mechanical students. Mr L Ezhil Ruban AP/Mech and Mr B R Sathish AP/CSE organized and provided valuable inputs to the students about programming for the Schenider Electric Intern drive.

FEB 21st

PLACEMENT DRIVE

Infosys organized a virtual interview for the batch, 2017-2021. 12 from CSE, 19 from ECE, 15 from EEE, 28 from MECH and 11 from IT attended the interview.

#Placement News

FEB 22nd

PLACEMENT TRAINING

Aptitude training has been started for all the second year students.

FEB 22nd

PLACEMENT DRIVE

Zoho organized a virtual interview for the batch, 2017-2021. 12 from CSE, 30 students from ECE, 10 from IT, 27 from EEE and 30 from MECH attended the interview.

FEB 22nd

INTERNSHIP DRIVE

Schneider Electric organized a virtual intrenship interview for the batch, 2017-2021. 12 students attempted the online test.

FEB 23rd

PLACEMENT DRIVE

Stradegi organized a virtual interview for the batch 2017-2021. 20 students attended the interview, of which 12 are from CSE, 9 from ECE and 1 from IT.

#Placement News

FEB 25th	PLACEMENT DRIVE	Odessey Technologies Drive on campus was attended by 19 students from ECE, 10 from IT,and from CSE
FEB 26th	INTERNSHIP OFFER	2 students, Antony Jeswin and Jairahul Damodaran from Mechanical Department, class of 2021 got internship offer in Bbruan.
FEB 26th	INTERNSHIP DRIVE	Worksbot conducted a test virtually for internship. 21 students from Mechanical Engineering took the test.
FEB 27th	PLACEMENT OFFER	5 students, Class of 2021 got placed in Odessey Technologies. They are Sashmitha Bert and Sherin Dorothy Christy from CSE and Danie, Ashok Kumar & Gunasri from ECE Department.

#SportsBytes

TENNIS TOURNAMENT

Lohithaksha II IT secured Runners up Trophy in the National Level Tennis tournament held at Raipur on 20th to 27th Feb

SQUASH TOURNAMENT

Navneeth Prabhu I, ECE Secured Runners up Trophy in the State level Squash tournament held at Chennai on 26th and 27th Feb.

Get in Touch

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