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The best way to spread Christmas Cheer is singing loud for all to hear. To perfectly kickstart the Christmas Season in style with the Pernnial Catchiness, students and faculty members sparkled in the spirit of Christmas with the delightful medley of Carols. Christmas is about celebration. The celebration was filled with praise and good cheer when the students tapped for the rhythmic beat.

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SKCET | CHRISTMAS MESSAGE BY PRINCIPAL MADAM



Without doubt, Christmas is a fantastic time! The promise of peace, good will and growing sense of excitement and expectation, makes this time of year very special. Principal Madam shared the theme message of Christmas and conveyed her New Year greetings.

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Glad Tidings of Great Joy at SKCET

It's never too late to celebrate Christmas, the festival of joy, hope, peace and Love. On this note the festive celebrations was set in motion with an array of Colourful events.

Ho!Ho!Ho! It's Christmas Time!!!!









A great many things can be resolved with kindness, even more with laughter, but there are some things that just require cake! Christmas cakes symbolises a ritual of Christmas Celebration, specifically the act of sharing. To mark the significance of Sharing, a cake cutting was organised. Principal Madam and the students fraternity shared the cakes and their warm greetings.

Christmas- A season to share and care!











Blasting of Santa's Sleigh! I know a man with long white beard! And Santa is his name! Christmas is incomplete without this old man's entry.

> Jingle Bells, Jingle Bells, Jingle all the way!!! Oh what fun it is to ride on a one horse open sleigh!!!

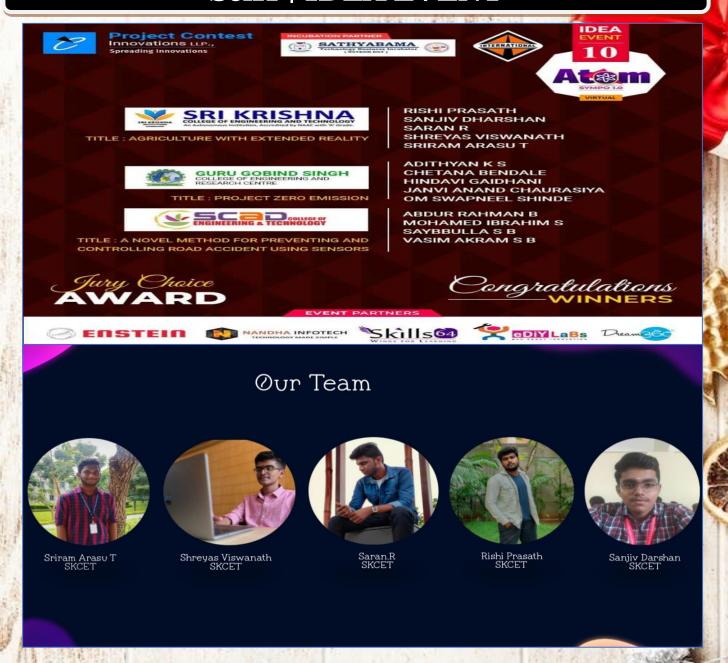
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S&H | IDEA EVENT



First year students of **EEE** Department have participated in an online Idea Event organized by Project Contest Innovations (PCI) LLP in Virtual Atom Symposium. The students have bagged the Jury Choice Award for their innovative idea.

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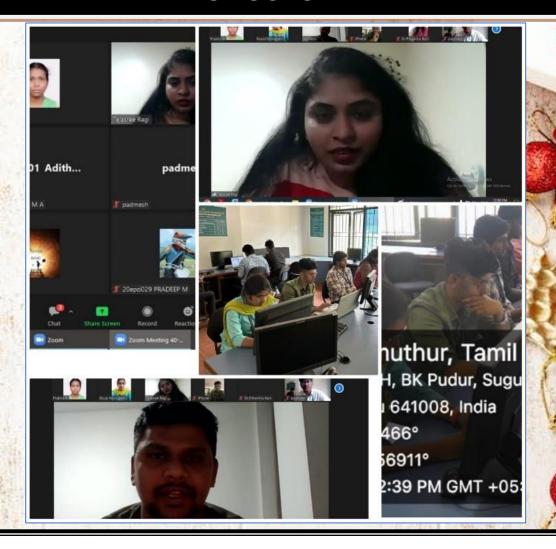
MECH | INDUSTRIAL VISIT TO Z F WIND **POWER**



Second year students from the Department of Mechanical Engineering visited **Z F wind power Pvt Ltd**, Coimbatore (India), on 14.12.2022. ZF is a global technology company with its head office at Belgium. It has a state-ofthe-art integrated gear-driven wind turbine gearbox manufacturing plant. Students were exposed to Manufacturing of Higher Tonnage components like Wind turbine housing, planet carrier, Torque arm, Ring wheel and Planet wheel, German make VMC 4 axis and 5 axis CNC machines, complete integrated (Industry 4.0). **Dr.N.Balaji** and **Dr.R.Soundararajan**, Faculty industry Members, Mechanical Engineering accompanied the students.



M.TECH CSE | KNOWLEDGE SHARING **SESSION**



Students of Third year M.Tech Computer Science and Engineering had a Knowledge Sharing Session with Global University (Sheffield Hallam) Students on 19.12.2022. The invitees are Ms.Tejasree Ragi, MS Big Data Analytics, Sheffield Hallam University, United Kingdom and Mr.Mahesh Motupalli, MS Computational Intelligence, Sheffield Hallam University, United Kingdom. The Key Points discussed in the session were: views on course contents in Data analytics offered by their university with Big Data analytics course in SKCET, they were interested to collaborate and work on live projects with our students.

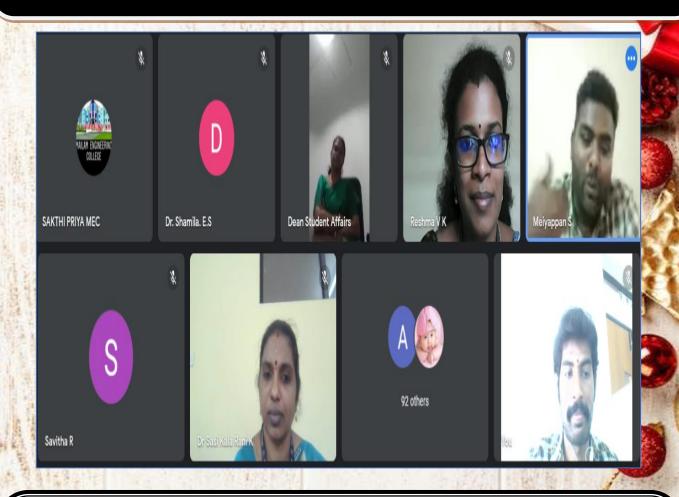


M.TECH CSE | HOD INTERACTION



Dr.P.Kavitharani, HoD, M.Tech CSE interacted with the First year students and educated them on the top technical skills and the learning of on demand technologies like Data Analytics, Programming and Coding, Devops, Proactive security, Connected technologies, Quantum computing Students were highly interactive during the session.





Department of CSE organized Five Days - FDP on "Research Advancements in Intelligent Computing Technologies". inaugural event of the FDP kick started with the welcome address by Dr. K. Sasikala Rani, HoD - CSE. Dr.K.Ragavi, Dean - Student affairs, SKCET delivered the presidential address. The Chief Mr.S.Meiyappan, Associate Software Developer, CTS inaugurated the great event.



CIVIL | GUEST LECTURE ON **EMPLOYABILITY IN DIGITAL CONSTRUCTION**



The ICI student chapater of Civil Engineering Department in association with BIM Centre of Excellence organized an Industry Expert talk on "Employability in Digital Construction" for the First year students on 20.12.2022. The resource person for the program was Er. Krishna Raj from BIMLABS. **Session Highlights:**

- Adoption of New technology in Construction Industry
- Digital revolution in construction.
- Digital Construction and BIM
- Digital data management and controlling
- Career building in BIM

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CSE | BoS MEETING



The **Department of Computer Science and Engineering** has conducted 16th BoS Meeting for the approval of R2020 - VII Semester Core & Elective Courses, R2022 - III Semester CSE, CSE(Cyber Security) and CSD Programmes Syllabus on 21.12.2022.

BoS Members:

University Nominee: Dr.J.Raja Sekar, Professor - CSE, Mepco Schlenk Engineering College, Sivakasi.

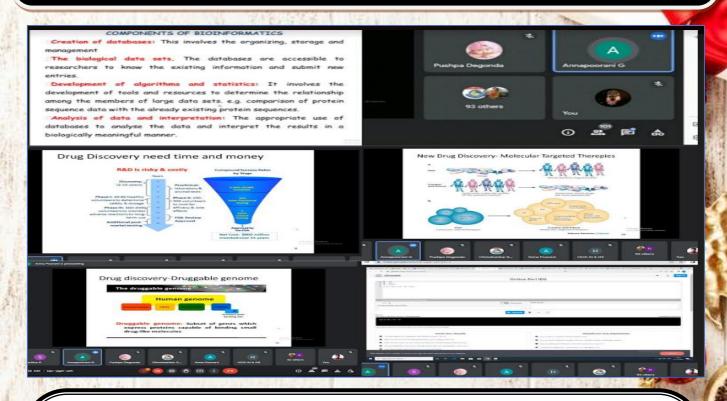
Academic Experts: Dr.R.S.Lovelyn Rose, Associate Professor - CSE, PSG College of Technology, Coimbatore.

Dr.G.Suganya, Academic Expert, Associate Professor - CSE, Vellore Institute of Technology, Chennai.

Industry Expert: Dr. Adithya Pothan Raj, Manager - Lead Architect Technology, CTS, Chennai.

Alumni Member: Mr. G. Sanjaydeep, Senior Software Engineer, Anthology Inc., Chennai.





Session 1

Resource Person: Dr.G.Annapoorani, HOD, CSE, University College of Engineering, Anna University (BIT Campus), Trichy, Tamilnadu.

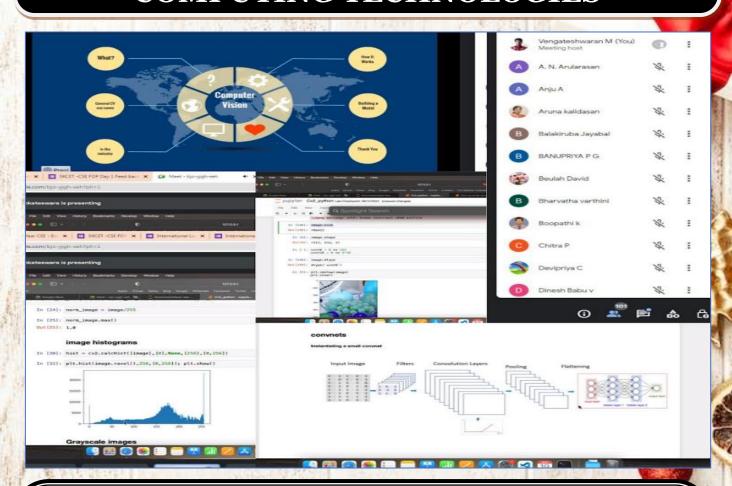
Session Title: Bio-Informatics in Drug Design

Session Highlights:

- Overview on Bioinformatics
- Genetic Material of Life
- Information between DNA & RNA
- Replication
- **Mutations & Randomization**
- Drug Discovery process
- Genetic code demo with Perl online compiler
- Application & Challenges in medical sector

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Session 2:

Resource Person: Mr. Venkata Krishnan, Data Scientist, PACS Singapore.

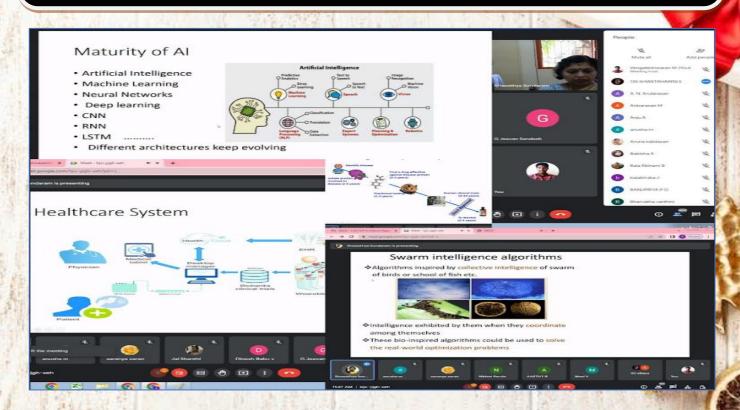
Session Title: Recent Trends in Computer Vision

Session Highlights:

- Introduction to computer vision
- General open CV use cases with Deep learning
- Industry perspective model of visual processing
- How it works on object recognition
- Semantic Segmentation & pixel classification
- Building a model of 3D reconstruction view
- Real time application demo

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Session 1

Resource Person: Dr.S.Sivasathya, HOD/CSE, Pondicherry University,

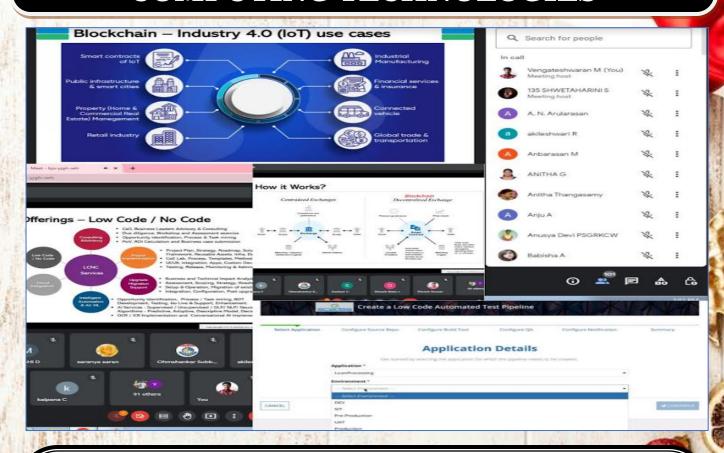
Pondicherry.

Session Title: Al in Healthcare

Session Highlights:

- Overview on AI for healthcare
- Major players & significant of Al projects
- General Perception
- Research Key areas in Al
- How its works on Swarm Intelligence Algorithm
- Evolutionary Algorithm
- Al techniques used in COVID 19 Scenario
- Real time Applications





Session 2:

Resource Person: Mr.Govindaraj Jawahar, CTO, Head of Engineering, Ideation works, London, UK.

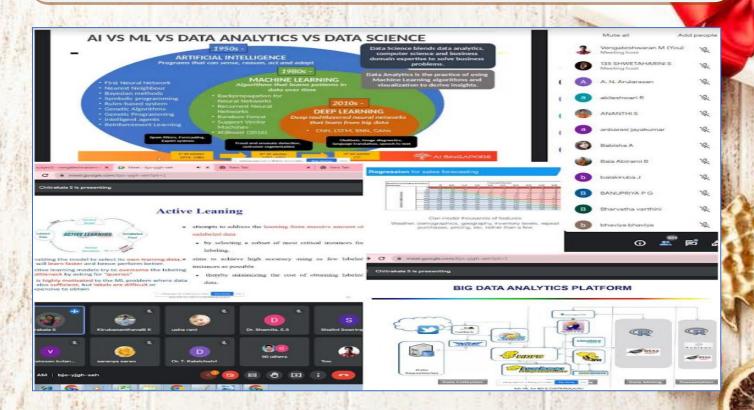
Session Title: Block chain and Low & no code Techniques

Session Highlights:

- Introduction to Block chain Technology
- Industry 4.0 use cases
- How it's work on High level architecture
- Key challenges in manufacturing industry
- Honeywell Go Direct Trade portal
- Devsecops Platform
- Low code Test automation suite
- Real time pipeline monitor

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Session 1

Resource Person: Dr.S.Chitrakala, Professor/CSE, Anna University (CEG),

Guindy, Chennai.

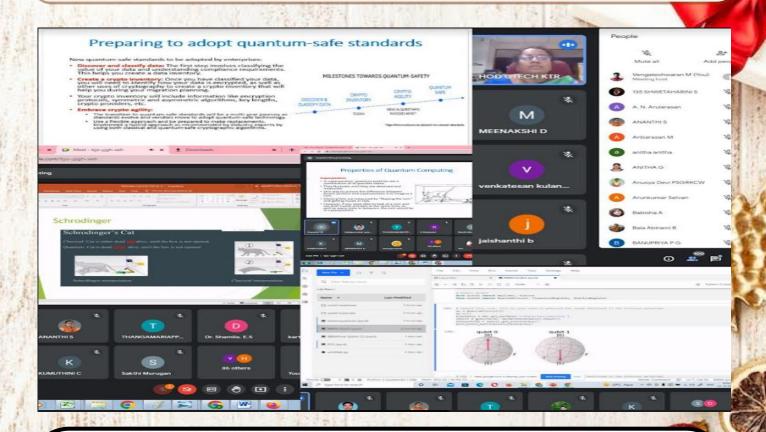
Session Title: Unveiling the power of Advanced ML Techniques for Big Data

Processing

Session Highlights:

- Introduction to big data analytics & ML
- ML challenges originating from big data
- Active Learning
- Fedrated Learning
- How its works on ML Techniques for Big Data Processing
- ML with Big Data application use cases





Session 2:

Resource Dr.M.Pushpalatha, HOD/CSE, SRM Person: University

Kattankulathur, Chennai.

Session Title: Quantum Cryptography

Session Highlights:

- Introduction to quantum computing
- How quantum computers work faster
- Potential use cases of quantum
- How will quantum computing impact on cryptography
- Address the future quantum threats
- Shor's Algorithm & Qubits
- Hands-on IBM Quantum Tool
- Real time application with use cases

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MCT | 2020 CURRICULUM DISCUSSION



Curriculum Development Cell of Department of **Mechatronics** Engineering Conducted a brainstorming sessions for formulating the secondyear courses of R2022. All the faculty members participated actively in the



MCT | HOD INTERACTION







Dr.M.Lydia, HoD, MCT, welcomed and addressed Third year MCT students on the First day of the even semester.

- Importance of placement drive and attendance
- Student Discipline (wearing of ID card, Formal dress code, clean shave)
- Punctuality during class hours
- OD form submission procedure
- Mini Project Execution
- General grievances
- Excellence in Academics



EEE | BOS MEETING



16th Board of Studies Meeting was organized by the Department of Electrical and Electronics Engineering for the approval of R2022 - III & IV Semester Syllabus and R2020 – Professional Core Electives on 20.12.2022 in EEE Conference Hall. The meeting was convened by **Dr.K.C.Ramya**, Professor and Head, Department of EEE. **Dr.B.Karunamoorthy**, Associate Professor, Department of EEE, Kumaraguru College of Technology, Coimbatore was the Anna University nominee. The Academic Experts Dr.K.Udhayakumar, Professor, Department of EEE, Anna University, Chennai, and **Dr.S.Moorthi**, Associate Professor, Department of EEE, National Institute of Technology, Tiruchirappalli, Industry Experts Mr.G.Arun **Prakash**, Electricals and Project Engineer, Bradken, Coimbatore and Alumni Mr.D.Pradeep Kumar, Project Lead, Philips Healthcare, Bengaluru were the members of the meeting. The board members shared their valuable suggestions. The senior faculty members of EEE Department were also present during the meeting.



EEE | GUEST LECTURE ON BE A PART OF THE SOLUTION, NOT A PART OF THE **POLLUTION**



NSS unit of SKCET in association with the Department of Electrical and Electronics Engineering organized a Guest Lecture on 'Be a Part of the Solution, Not a Part of the Pollution'.

Resource Person:

Mr.K.Kalidasan, President, OSAI Environmental Organisation, Coimbatore.

Session Focus:

- # Industrial Pollution & Environmental Degradation,
- # Prevention and Control of Pollution.
- # Pollution impact on Wildlife and Vegetation,
- # Harmful effects and Waste management of Plastics,
- # Government Initiatives and measures to mitigate Pollution.



EEE | E-KART CLUB ACTIVITY



E-Kart Club of EEE Department provided an outlet for the students to explore their interests and passion for designing the E-vehicles. The club has been positioned to adapt the talents and sharpen student's skills by signing up for various competitions. To evaluate and review the designs, the Club hosted an **expert conference** with the fraternity of Pulsed Batteries and Go-Kart Mentors, to enhance the product.

Industry Mentors:

- 1. Mr.Bharath Kumar, Electrical Evaluator Battery and Power Train, Coimbatore.
- 2. Mr. Shivrane Gowrisankar, Pinnacle Lithium Power, Coimbatore.

Key Assessments:

- # Analysis of the Chasis using ANSYS and Solid works,
- # Selection of Motor capacity and its relevant battery,
- # Reconfiguration of Steering position for the driver safety,
- # CAN based Dash board controller for efficient tracking of vehicle parameters,
- # Selection of the efficient BMS with respect to climatic conditions.

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EEE | NATIONAL ENERGY **CONSERVATION DAY**



Department of **Electrical and Electronics Engineering** organised a Webinar on 'Energy Conservation and Management' to commemorate National Energy Conservation Day on 14.12.2022 for EEE Students.

Resource Person:

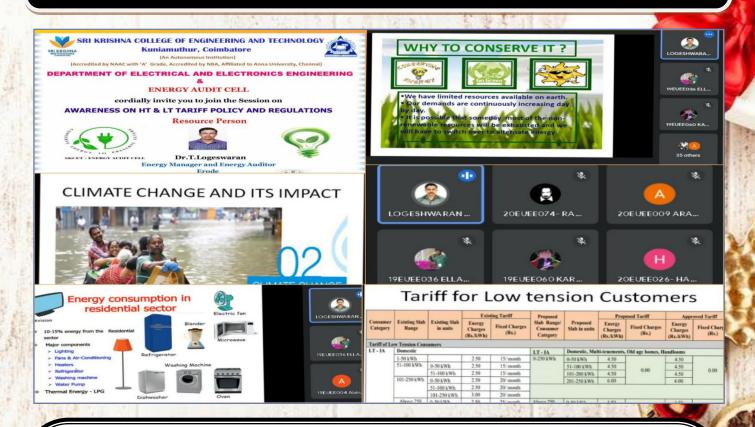
Mr.Dominic, Energy Auditor, Eilmech Engineers, Coimbatore.

Session Focus:

- # Virtuous Cycle of Organizational Energy Efficiency,
- # Energy Efficient Economy,
- # Resource Investment,
- # Executive Management.



EEE | NATIONAL ENERGY CONSERVATION WEEK 2022



As part of the Energy Conservation Week, the Energy Audit Cell of EEE Department organized a Virtual Seminar on 'Awareness on HT & LT Power **Tariff Policy and Regulations'** for Faculty and Students.

Resource Person:

Dr.T.Logeswaran, Energy Manager & Auditor, Erode.

Session Takeaways:

- Climatic change and its Impact,
- Tariff for Low & High Tension consumers category with regard to proposed slab range,
- Electrical appliances wattages and the different ways to Conserve and Save Energy,
- Energy Consumption in Residential and Industrial Sectors,
- Significance of Tariff Policy & Regulations.



EEE | NATIONAL ENERGY CONSERVATION WEEK 2022



As part of the Energy Conservation Week celebrations, the Energy Audit Cell of EEE Debate Department organized Energy topic a on 'Race2Decarbonisation' for EEE Students on 19.12.2022. Third year Students enthusiastically participated in the event.

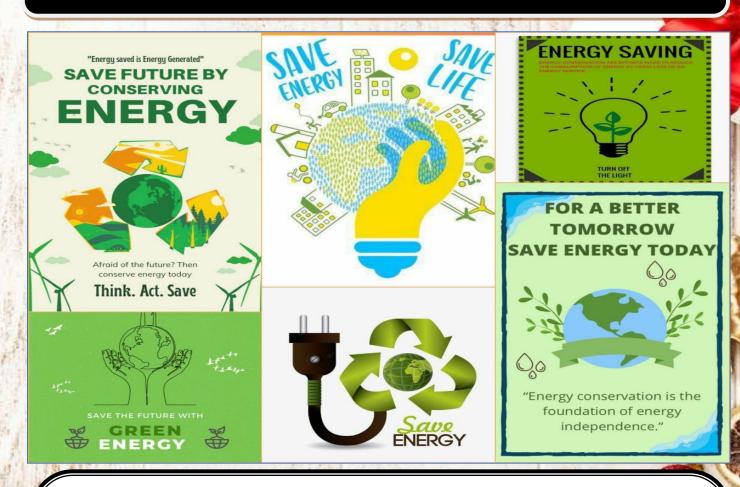
External Jury: Er. P. Premkumar, Technical Training Lead, Petroleum Conservation Research Association (PCRA), Coimbatore.

Crest Pointers:

- Is there a global effort to reach net zero?
- How do we transform the commitments into concrete measures?
- Net zero carbon pledges have good intentions but they are not enough.
- Sustainable aviation fuel could bring Indian industry to net-zero.



EEE | NATIONAL ENERGY CONSERVATION **WEEK 2022**



As part of the Energy Conservation Week celebrations, the Energy Audit Cell of EEE Department conducted Poster Presentation on the topic 'Entailing Energy Conservation' for EEE students on 21.12.2022. The students enthusiastically participated and presented on their posters.

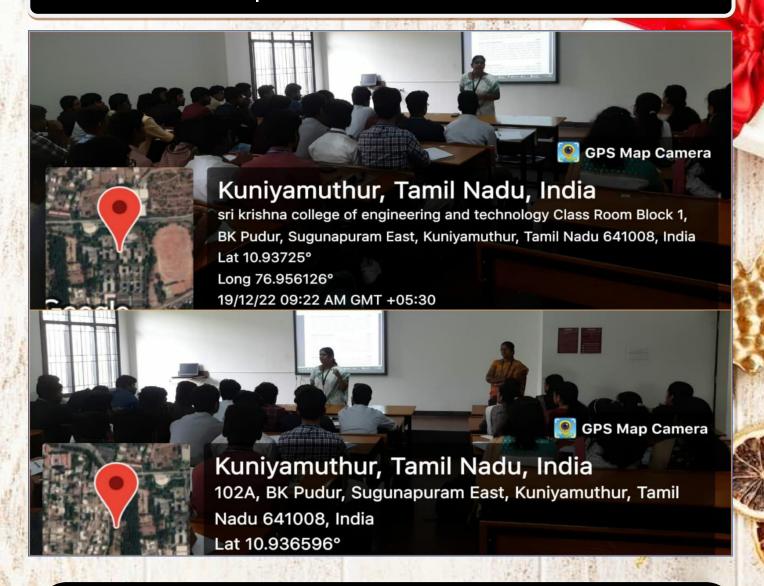
External Jury: Er. P.Shreeram, Director - MM Future Energy, Coimbatore. Gists of posters:

- ✓ Green Energy clean Energy
- ✓ Think Act and Save
- ✓ Zero emission gadgets.

The external jury appreciated the participants for their great contribution and efforts in designing the posters.



EEE | HOD INTERACTION



Dr.K.C.Ramya, HoD, EEE welcomed the Pre - final year students for the academic year 2022-23 Even Semester. The key points addressed were.

- Class Attendance and Discipline
- Career Guidance and Placement Opportunities
- Importance of Bootcamp, T1 &T2 Training Classes
- Resume preparation
- Internship

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EEE | TECHNICAL TALK



Department of Electrical and Electronics Engineering conducted a Technical Talk on "Energy Management Techniques" for the Third year EEE students on 21.12.2022.

Resource Person: Dr. Mohammed Ehsan, Deputy Manager, Bharath Heavy Electricals Limited (BHEL), Trichy.

Session Keys:

- Need for Energy Management.
- Utilisation of BLDC Machines for Industrial applications.
- Cost reduction techniques.
- Impact of EVs on Zero Carbon.



IT | BOS MEETING



The Department of Information Technology conducted Board of Studies **Meeting** on 21.12.2022. The meeting was convened by **Dr. N. Susila**, HoD IT. The main agenda of the meeting was to approve syllabi of seventh semester courses, elective courses of Regulation 2020 of B.Tech IT, fifth-semester courses, open elective courses, professional elective courses of Regulation 2020 (2021-2025) Batch) and third-semester courses of Regulation 2022.

BoS Members:

University Nominee: Dr. J. Raja Sekar, Professor & Head, Department of CSE, Mepco Schlenk Engineering College, Sivakasi

Academic Experts: Dr. N. Jaisankar, Professor, School of Computing Science and Engineering, V.I.T University, Vellore

Dr. M. Sangeetha, Associate Professor, Department of IT, Coimbatore Institute of Technology, Coimbatore

Industry Expert: Mr.RamKumar Kuppuchamy, Associate Director - Cloud Migrati on, Presidio, Coimbatore

Alumni Expert: Mr. K. Faizal, Senior Manager - Projects, Cognizant Technology Solutions, Coimbatore.



S&H | **INTERACTION WITH HOSTEL STUDENTS**



Dr.V.Ragavi, Dean of Student Affairs, addressed the First year Hostel students for an effective functioning of the hostel. Behavior and discipline, adherence to hostel timings, and cleanliness of the rooms were the key pointers of discussion.

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S&H | EXTENDED HOUR ACTIVITY **ECO CLUB**



ECO Club of SHA conducted an event, Herbal Garden for Health and Wealth for the First year BE, B.Tech & M.Tech CSE students to impart the growing consciousness of the need to conserve medicinal plants and herbs.

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S&H | FACULTY EXTRAMURAL SESSION



Department of Science and Humanities conducted Extramural Session for faculty members to develop and exhibit their potential fully and achieve excellence. Ms.Kalaivani K, Assistant Professor, S&H presented a lecture on Fiber Optics Communication and its application.

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S&H | EXTENDED HOUR ACTIVITY



Creative Club of SHA conducted an event, Design your Invite - Designing a Digital Invitation for the First year BE, B.Tech & M.Tech CSE students to create an environment that continually fosters creativity and innovation. Students have participated and exhibited their creativity using digital tools.

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S&H | EXTENDED HOUR ACTIVITY













Theatre Club of SHA conducted Literary Melodica - Singing of Animated Movie Songs for the First year students to recognize the young artistic talents that delight the senses through their performances.



M.Tech. CSE | BOS MEETING



Department of **M.Tech. Computer Science and Engineering** (5 Yr Integrated) has conducted 7th BoS Meeting on 22.12.2022. Dr.P.Kavitha Rani, Professor & Head, **M.Tech.CSE** convened the meeting and discussed about the approval of 9th & 10th Semester Core & Thriving Elective Courses. Dr. J. Raja Sekar, Professor-CSE, MepcoSchlenk Engineering College, Sivakasi, Dr.N.Radhika, Professor, School of Computing, Amrita VishwaVidyapeetham, Coimbatore, **Dr.P.M.Durai Raj Vincent**, Associate Professor Grade 2, School of Information Technology and Engineering, Vellore Institute of Technology, Mr.S.Rajkumar, Associate Director, Virtusa and Ms.R.Abayavidya, Function Head and Group Manager, Infosys Limited, Bangalore were the external experts and they approved the syllabi.



M.Tech. CSE | SOFTSKILL TRAINING



Third year students of M.Tech Computer Science and Engineering has underwent TCS Soft Skills Training on 21st and 22nd November 2022. Resource person for the session was Mr.Magesh BJ, Academic Relationship Manager, TCS, Bangalore. The Key points discussed were: Career Path Growth ,SMART - Goal Setting ,SWOT Analysis ,Corporate expectations from Freshers, Business 4.0, SLA & KPI, Body Language, Barriers to Effective Communication and Presentation skills.



S&H | INDUSTRY TRAINING ORIENTATION





SKCET organized Industry Training Orientation programme for the First year CSE, IT, Al&DS, CSD, Cyber Security, ECE and EEE students on 18th December, 2022 at Convention Centre. The session was lead by Mr.Senthil, Co-Founder, lamneo and Dr. Jayasudha Subburaj, Placement Officer.



S&H | NATIONAL MATHEMATICS DAY

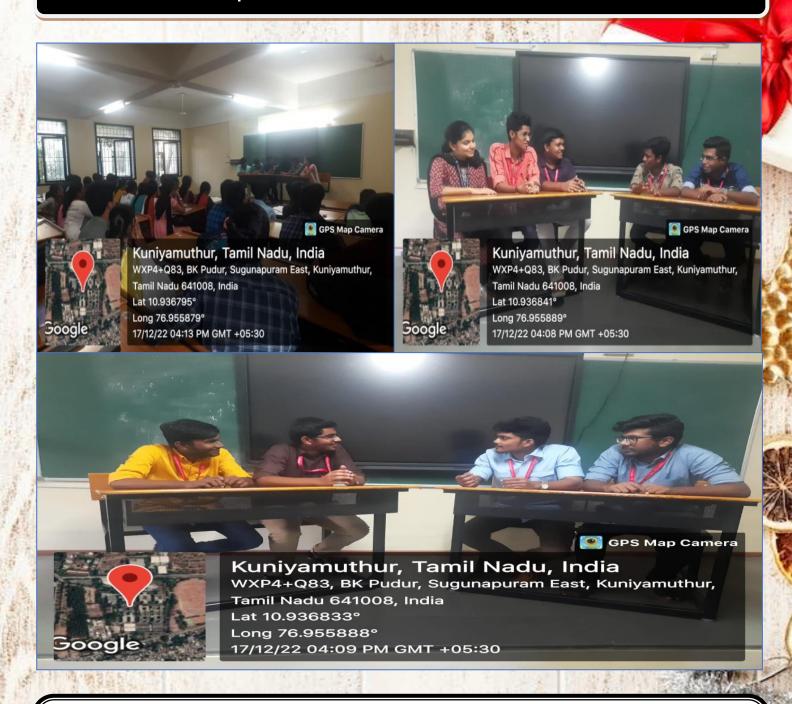


Department of Science and Humanities organized a Guest Lecture on "Application of Engineering Mathematics in Real life" to commemorate the birthday of Indian Mathematician, Srinivasa the great Ramanuian. Dr.R.Prabakaran, Assistant Professor, Department of Mathematics, Coimbatore Institute of Technology was the Resource Person. As a part of celebration, a Quiz Competition was conducted for the First year students to bring a path in the mind a way of habit of reasoning or thinking. The prize winners were rewarded with shield.

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S&H STUDENT EXTRAMURAL

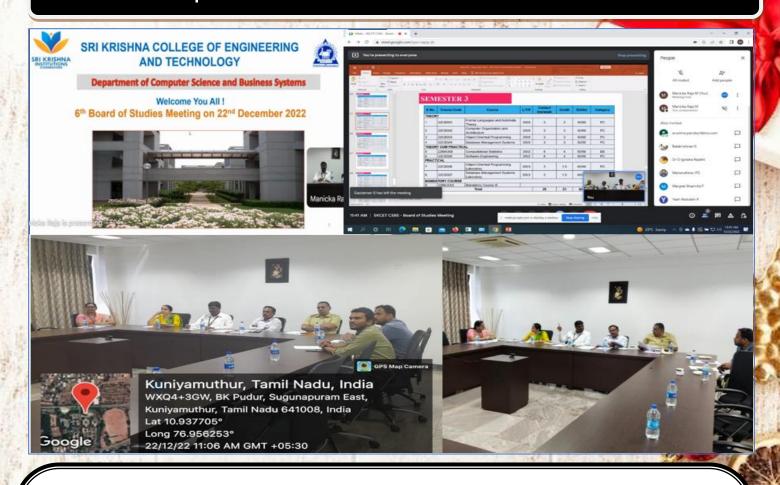


Extramural Club of SHA organized Group Discussion on the topic Social Issues: In 21st Century for the First year students to generate creative thinking and to develop their skills in interpersonal communication and in expressing their views in a clear and succinct manner.

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CSBS | BOARD OF STUDIES MEETING



6th Borad of Studies Meeting for the Deoartment of Computer Science and Business Systems was convened on 22.12.2022 by Dr. S. Balakrishnan, Professor and Head of CSBS. The meeting included presentations on curriculum changes, credit distribution in the 2022 Regulation. External expert members included **Dr.B.Thanasekhar**, Associate Professor, Department of Computer Technology, MIT, Chennai, Dr.L. Ramanathan, Associate Professor, School of Computer Science and Engineering, Vellore Institute of Technology, Vellore, **Dr.N.M.Dhanya**, Assistant Professor, Department of Computer Science and Engineering, Amritha Vishwa Vidyapeetham, Coimbatore, Ms.Arunima Pandey, Manager, Consultancy Services, Pune, and Mr.Gautaman Sarangan, Senior Software Engineer, TCS, Australia shared their significant expertise, provided useful suggestions, and approved the courses.

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AI&DS | BOS MEETING



The Department of Artificial Intelligence and Data Science conducted 5th BoS Meeting for the approval of Regulation 2020 7th semester, Professional Elective Courses V & VI, Open Elective Courses and for Regulation 2022, 3rd semester courses on 21.12.2022 @ 3:30 PM in Conference Room, Admin Block.

University Nominee:

Dr. J. Raja Sekar,

Professor, CSE,

Mepco Schlenk Engineering College, Sivakasi,

Academic Experts:

Dr.M.Premalatha, Associate Professor, CSE VIT - Chennai

Dr.R.AnnieUthra.

Professor & Head, Computational Intelligence, SRM Institute of Science and Technology, Chennai

Industry Expert:

Mr.Boobalan, Assistant Vice President, Payoda, Chennai.



AI&DS | INDUSTRY ORIENTATION SESSION FOR FIRST YEAR









Dr.S.Venkata Lakshmi, HOD, AI & DS delivered Industry Orientation Session for the First year students on 19.12.2022

Session Takeaways:

- Importance of Industry class
- Understand the concept of each topic with real world connect
- **Daily Practice**
- Placement record
- Outside College participation

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AI&DS | GUEST LECTURE ON ANT COLONY **OPTIMIZATION IN 5G NETWORK**



The Department of Artificial Intelligence & Data Science organized a Guest Lecture on "Ant Colony Optimization in 5G Network" for Third year ΑI & DS Students.

Date: 21.12.2022

Time: 2:00 pm to 3:00 pm.

Resource Person: Dr. M. PREMALATHA, Associate Professor, CSE, Vellore

Institute of Technology, Chennai.

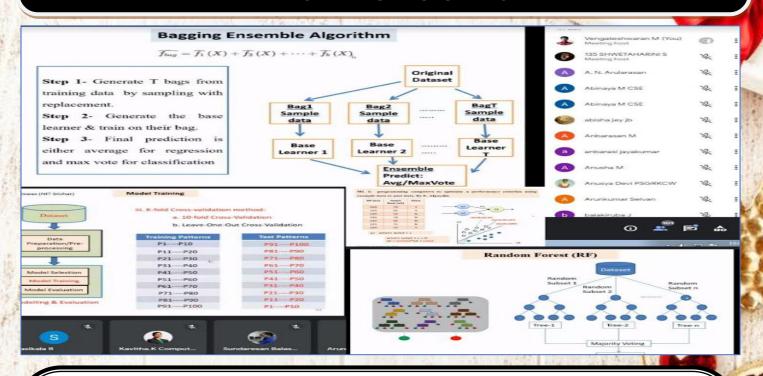
Session take-aways:

- Optimization problem
- Ant Systems
- Ant Colony Optimization
- Mathematical Model of ACO
- Implementation of ACO
- Tools/ Packages for ACO

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CSE | FDP ON RESEARCH ADVANCEMENTS IN INTELLIGENT COMPUTING **TECHNOLOGIES**



Session 1:

Resource Person: Dr.Saroj Kumar Biswas, HOD/CSE National Institute of Technology (NIT), Silchar, Assam.

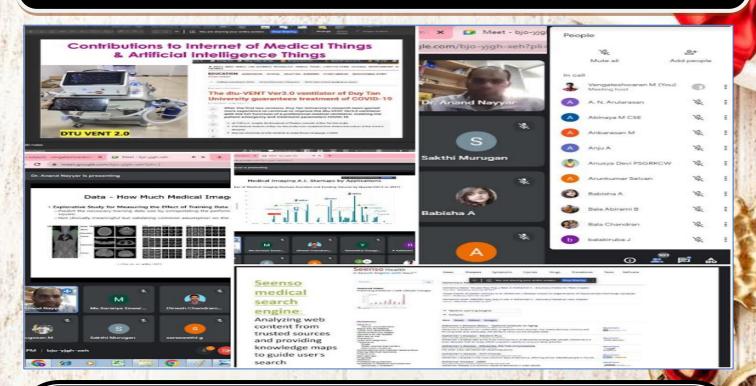
Session Title: Ensemble Learning

Session Highlights:

- Introduction to Ensemble Learning
- ML Model Training & Evaluation
- K-fold cross validation method
- Bootstrap sampling & strapping
- Performance measures for classification model
- Bagging Ensemble algorithm & techniques
- Random Forest algorithms
- Real time use cases with examples



CSE | FDP ON RESEARCH ADVANCEMENTS IN INTELLIGENT COMPUTING **TECHNOLOGIES**



Day4:

Resource Person: Dr.Anand Nayyar, Vice-Chairman (Research), Director School of Computer Science, Duy Tan University, Da Nang, Vietnam.

Session Title: Medical Image Processing

Session Highlights:

- Introduction to Medical image processing
- Classification problem: identifying different types of disease
- Patent Identification in face recognition
- Genomics for treatment design
- Beyond diagnostics: ML on medical images for clinical research
- Key features of cogilex semantic search technology
- Amazon comprehend medical
- Real time use cases with Brain inspired Learning







R&D | PAPER PUBLICATION | ECE

DESIGN OF PROSTHETIC HAND TO IMPROVE THE LIFESTYLE OF PEDIATRIC PARTIAL HAND PATIENTS

Albert Raj.A1, Ragavendra N2, Rakesh P3, Rakesh R4, Raaghul S5

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Sri Krishna College of Engineering and Technology, Coimbatore 19eucc107@skeet.ac.in

In modern medicine, Prosthetic Hand plays an important role in helping the people who lost his/her hand due to some incident or accident. It also helps people who is unable to use his/her hand due to stroke. So, Prosthetie Hand helps out various people across the world. So with this thought in mind, we wanted to create an awareness among the students about the prosthetic hand hence we made this project. In this project we made a small working prototype of prosthetic hand using 3d printer. The prosthetic hand works due to the Arduino board which contains the VHDI. code for working of the arm. Arm is powered by servo motors which controls the actuators and reflectors. In Modern Technology, the scope of Prosthetic Hand have improved a lot over the time. Artificial Intelligence plays a major role here in Prosthetic Hand. Technology has grown a lot in this field that when the user wears the prosthetic hand and can think of the work to be done by the hand and the hand will do the work

Dr.A.Albert Raj, Professor, Department of ECE has published a Scopus indexed titled "Design Journal paper of **Prosthetic** Hand to Improve Lifestyle of Pediatric Partial Patients" in YMER Journal, ISSN: 0044-0477, volume 21, issue 11,pp. 1372-1377.

R&D | PAPER PUBLICATION | ECE

Karthi, Assistant Professor. Department of **ECE** has published a Scopus indexed Journal paper titled "Design of Prosthetic Hand to Improve the Lifestyle of Pediatric Partial Hand Patients" in YMER Journal, ISSN: 0044-0477, volume 21, issue 11,pp. 1366-1371.

SMART HUMAN BODY MONITORING SYSTEM USING ARDUINO

Karthi. SP1, Nandha Kumar D2, Kavin Prasath K3, Manishkumar V4,

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*U.G Scholar

Department of Electronics and Communication Engineering

Sri Krishna College of Engineering and Technology, Coimbatore

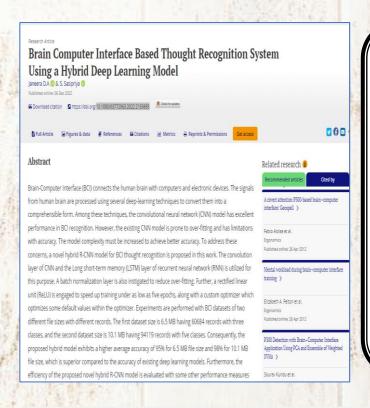
19euec092@skcet.ac.in

ABSTRACT

The healthcare monitoring system is one of the most important systems from the last decade. It is emerged as technology oriented system. Due to lack of timely medical care to the individuals who are suffering from various diseases and they become ill and it leads to unexpected death of the patients. All people in this COVID condition are very concerned about maintaining their health. Our mitiative is set up to provide essential medical care without a doctor's assistance. Iof is quickly transforming the healthcare sector thanks to a proliferation of new healthcare technology start-ups. We created the Human Body Monitoring System for this project. GSM is the communication tool utilized in this project. Both the surrounding temperature and the heart rate could be read by this instrument. It continuously measures the ambient temperature and pulse rate and sends SMS updates. The project's many features are implemented by the Arduino Sketch maning on the device. These include reading sensor data, stringifying them, feeding them to the device, and displaying measured pulse rate and temperature on a character LCD.



R&D | PAPER PUBLICATION | ECE



Dr.S.Sasipriya, Professor and Head, Department of **ECE** has published an Anna University Annexure I, SCIE and Scopus indexed Journal paper titled "Brain Computer Interface **Thought** Based Recognition Using a Hybrid Deep System Learning Model" in IETE Journal of Research, ISSN: 03772063, DOI: 10.1080/03772063.2022.2150695.

R&D | PAPER PUBLICATION | MECH

Rajesh, Assistant Professor, Mechanical Engineering published a scientific research article entitled 'Mechanical **Behavior** of **Glass Fiber** Inflorescence Reinforced Hybrid, **Epoxy** Composites' in Materials Technology International Journal. It is a WoS and Scopus Indexed Journal with Impact Factor 0.663. The journal is also listed in Anna University Annexure 1.

Original scientific article/Izvirni znanstveni članek

ISSN 1580-2949 MTAEC9, 56(6)637(2022)

MECHANICAL BEHAVIOUR OF INFLORESCENCE/GLASS-FIBRE-REINFORCED HYBRID EPOXY COMPOSITES

MEHANSKO OBNAŠANJE HIBRIDNEGA EPOKSI KOMPOZITA OJAČANEGA S KOMBINACIJO NARAVNIH IN STEKLENIH VLAKEN

Athithanambi Anna Anban1*, Manomani Krishnaswamy2, Rajesh Appasamy3

Nehru Institute of Engineering and Technology, Coimbatore, Tamil Nadu ²Government College of Engineering, Tirunelveli, Tamil Nadu ³Sri Krishna College of Engineering and Technology, Coimbatore, Tamil Nadu

Prejem rokopisa - received: 2022-08-03; sprejem za objavo - accepted for publication: 2022-10-07

doi:10.17222/mit 2022.588

The biodegradability and environmental friendliness of natural fibres makes them suitable for implementation in a circular economy. As a result, several natural fibres and processing methods have evolved. The hydrophilic nature of ligan cellulors fibrials restricts the effective adhesion at the inference of fibre and natural fibrials on causal fibrials on a natural fibrials on the processing the processing the processing the processing threat an natural fibrial except fibrial and natural fibrials and not the state of from coord inforcescence. The effect of phylindration on the tensile and Returnal strengths of surface-modified inflorescence fibre with glass fibries was investigated. The composities were fabricated using a hand-layey textual inflorescence fibre with environmental fibrials and the surface of the confidence of the control of the confidence of the con ment in the tensite and netural strengths of 13-50.5 MF1 and 24.09 MF1 was observed for 85 % of glass and 15 % of benzoy-leholie-modified inflorescence-fiber-endirected bythicd composites. The elimination of amorphous constituents in the inflorescence fibres was checked by XRD and FTIR analyses. A surface-morphology analysis of unmodified and benzoyl-chlo-ride-modified inflorescence fibres revealed pores and cavity formation on the fibril walls. These composites with superior me-chanical properties can be an alternative to synthetic fibre composites and ensure the implementation of a circular economy and sustainable manufacturing.

Keywords; inflorescence fibres, hybridization, X-ray diffraction, Fourier-transform infrared, scanning electron microscop



R&D | PAPER PUBLICATION | MECH

Dr. S. Karthik, Assistant Professor, Mechanical Engineering published a scientific article entitled research 'Unravelling the Tribological Behavior of Mercerized Coconut Fiber Fortified Unsaturated Polyester Composites' in Materials Technology International Journal.It is a WoS and Scopus Indexed Journal with Impact Factor 0.663. The journal is also listed in Anna University Annexure 1.

UDK 677.494.674:539.92 Original scientific article/Izvirni znanstveni članek

ISSN 1580-2949 MTAEC9, 56(3)271(2022)

UNRAVELLING THE TRIBOLOGICAL BEHAVIOUR OF MERCERIZED COCONUT INFLORESCENCE FIBER FORTIFIED UNSATURATED POLYESTER COMPOSITES

POJASNITEV TRIBOLOŠKEGA OBNAŠANJA MERCERIZIRANIH INFLORESCENTNIH VLAKEN KOKOSOVIH OREHOV V OJAČANIH NENASIČENIH POLIESTERSKIH KOMPOZITIH

Karthik Soundarrajan^{1*}, Nitish Kaushik², C. Shanthi³, Joshua Gnana Sekaran⁴

¹Sri Krishna College of Engineering and Technology, Tamil Nadu ²Birla Institute of Technology, Jharkhand ³Sona College of Technology, Salem ⁴CSI College of Engineering, The Nilgris

Prejem rokopisa - received: 2022-02-17; sprejem za objavo - accepted for publication: 2022-04-05

doi:10.17222/mit.2022.410

The need for eco-friendly materials made researchers move towards lignocellulose fibres as potential fortification materials for polymer matrices. In this regard, a unique fibre known as the exocount inflorescence fiber was extricated from the economit tree and added to unsaturated polyster resin. As the fibres are subjected to merceization treatment, XRD and FTIR studies show that the amorphoves materials present in the fibres are removed, and the tensile strength of the fibre increases. For the tribology studies of the CIFPpolyster composite, the load and sliding distance were chosen as the operation parameters under dry-sliding condition. Extensive steing demonstrated that the water rate necesses set he old increases, and it is reduced as the fibre volume faction in creases. Due to the hardness of the composite materials, the wear rate decreases as the sliding distance rises. The composite with fibre source fraction 2 for which the minimum was read to the near province state. The destroyers are the source state of the source province state for the source research to the entire province state for the source restorated to the source means the source and the source state of the source province state. The composite with fibre source research 2 for the state province state for the source and the source state of the state province state. The source state of the st posites with fiber volume fraction 25 % exhibit the minimum wear rate of the entire experimentation. Furthermore, the friction coefficient drops as the load and sliding distance increase with the increasing volume fraction, which is due to micro-melting generated by the frictional heat at greater looks. A SEM analysis revaled fiber pull-dust in composites with fiber volume fraction 30 %, owing to a lack of fibril wetting during the manufacturing of composites.

Keywords: coconut inflorescence fibre, unsaturated polyester resin, mercerization, wear, friction coefficient, SEM analysis

R&D | PAPER PUBLICATION | MECH

Dr. M. Vigneshkumar, Assistant Professor P.AshokaVarthanan. **Mechanical Engineering** have published a scientific research article entitled **'Electrodeposition** and corrosion characterization of epoxy/polyaniline coated AZ61 magnesium alloy' in the Journal of Corrosion Reviews- A Degruyter Publications. It is a WoS and Scopus Indexed Journal with Impact Factor 3.69. The journal is also listed in Anna University Annexure 1.

DE GRUYTER

Corros Rev 2022; 40(5): 491-499

Original Article

Vigneshkumar Murugesan* and Ashoka Varthanan Perumal

Electrodeposition and corrosion characterization of epoxy/polyaniline coated AZ61 magnesium alloy

https://doi.org/10.1515/corrrev-2021-0069 Received September 1, 2021; accepted April 28, 2022; published online July 4, 2022

Abstract: An epoxy with 7% polyaniline (PANI) powder coating by electrostatic deposition is proposed to enhance the corrosion resistance of AZ61 magnesium alloys. The coating thickness is varied from 85 to 130 microns, and the results are compared to the corrosion resistance of epoxy coated and uncoated AZ61 magnesium alloy. The surface characterization and corrosion behaviour of AZ61 magnesium alloy + epoxy/PANI coating are examined using X-ray photoelectron spectroscopy, salt spray test, potentiodyobserved that the polymer coating protects the base metal against cornsion and the cornosion resistance increases with coating thickness. The corrosion rate of the uncoated, 130 µm coating thickness of epoxy coated and around that cornosion on magnesium allows is immarted. with coating thickness. The corrosion rate of the uncoated, 130 µm coating thickness of epoxy coated and epoxy/PAN actors, including chemical composition (Gusieva et al. coated AZmagnesium alloy is observed to be 0.5379, 0.0869 2015), grain size (Argade et al. 2012), intermetallic compand 0.0372 mm/year, respectively. The corrosion resistance pounds (Cain et al. 2014) and distribution of α-Mg matrix of epoxy/PANI coating is superior to the epoxy coating. The phases (Shuai et al. 2019). Magnesium alloys are highly increase in corrosion resistance of the epoxy/PANI coated susceptible to under film and pitting corrosion than other AZ61 alloy is attributed to the physical insulation and supon of magnesium dissolution

Keywords: epoxy; FTIR: magnesium alloy; polyaniline;

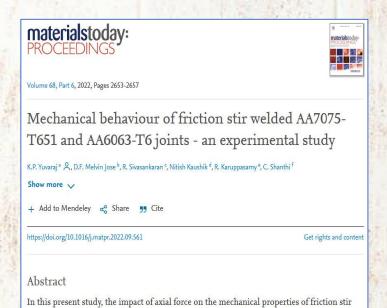
excellent machinability and less environmental impact (Phuong et al. 2017; Zhao et al. 2018). The commercial utilization of magnesium has increased rapidly in response to the requirement for light-weight in the transportation and electronics industry in the last 10 years (Gusieva et al. 2015). However, its poor corrosion resistance has limited its employment in a wide range of applications (Zhang et al. 2010). Magnesium is a group 2 alkaline metal that has two valence electrons in its outermost shell and low ionization energy. Hence it is thermodynamically unstable by often reacting with other atoms leading to the formation of an oxide, hydroxide or sulphide.

forms of corrosion. The lower open corrosion potential of Mg matrix phases is attributable to the pitting corrosion of magnesium alloys (Zeng et al. 2014).

Mg is generally unstable and highly electroactive in aquatic conditions. The electrode potential of magneium is less (-2.37 V). But the presence of higher electrode



R&D | SCIENTIFIC ARTICLE PUBLICATION | MECH



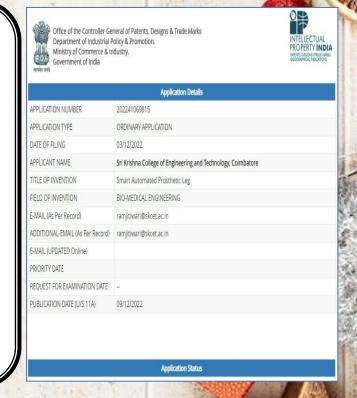
welded dissimilar aluminium alloy joint was investigated. Four different axial forces such as 4kN, 5kN, 6kN, and 7kN were used. The tool rotating speed and welding speed of 2000 rpm

and 60 mm/min respectively was employed. The microstructure of various zones of weld joint was investigated and observed using an electron optical microscope. The hardness and tensile characteristics of welded joints were investigated in order to determine their mechanical behaviour. Mechanical findings demonstrated that joints created with a 6kN axial force produced satisfactory joints. The creation of grain structures with evenly dispersed and

Dr. K Yuvarai. **Associate** Professor, Mechanical Engineering has published a scientific research article entitled 'Mechanical **Behavior of Friction Stir Welded** AA7075-T6 and AA6063-T6 Joints - An Experimental Study' in Materials Today Proceeding – an Elsevier Publications. It is a Scopus Indexed Journal.

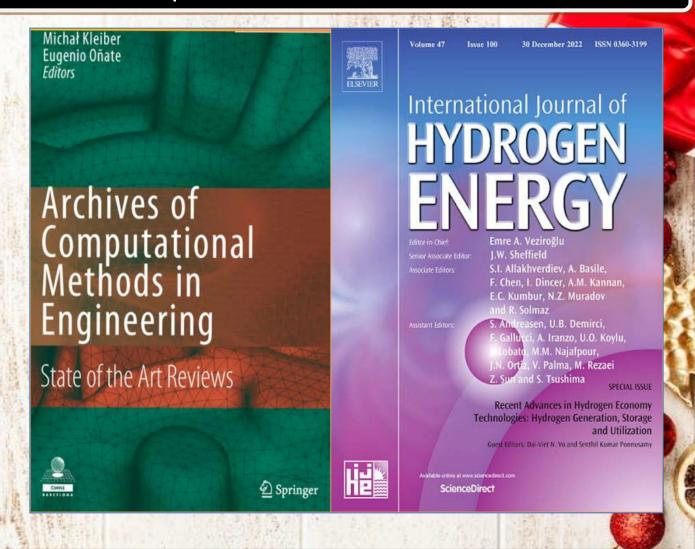
R&D | INSTITUTION PATENT

Happy to share that the Faculty and Students of Department of Electrical and **Electronics** Engineering successfully filed and published a Patent titled "Smart Automated Prosthetic **Leg**". This project idea won the SIH -Hardware Edition at Forge Accelerator, Coimbatore. As the first step towards transforming ideas to vision, this patent was initiated.





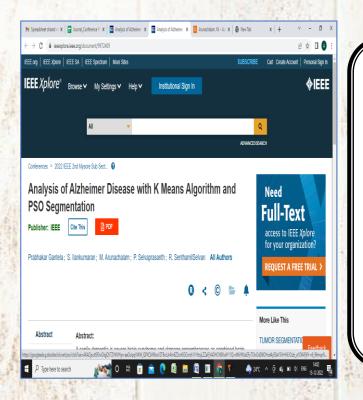
EEE | JOURNAL PUBLICATION



We are happy to share that the paper titled "Weather Forecasting for Renewable Energy System: A Review", authored by Dr.K.C.Ramya, HoD, EEE Department has been published in **Springer** - Archives of Computational Methods in Engineering with a high impact factor of 7.302. Another paper titled "Neural network based MPPT control with reconfigured quadratic boost converter for fuel cell application", authored by Dr.Ramji Tiwari, Assistant Professor, EEE Department has also been published in Elsevier - International Journal of Hydrogen Energy with a high impact factor of 7.139. This accolade sets the onset of R&D trendline rise with regard to Innovation Ecosystem of SKCET.



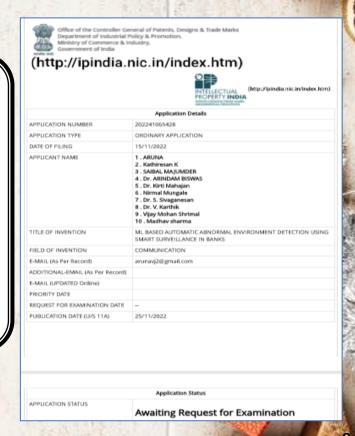
IT | R&D - CONFERENCE



Dr.M.Arunachalam, Professor. IT presented a paper titled "Analysis of Alzheimer Disease with K Means Algorithm and PSO Segmentation" in IEEE 2nd Mysore Sub Section International Conference, 2022 DOI: 10.1109/MysuruCon55714.2022.9972 409 (Published in IEEE Xplore – Dec 2022).

R&D | PATENT PUBLICATION | ECE

Dr. V. Karthik, Assistant Professor of the ECE Department has filed and published a patent titled "MI Based **Automatic Abnormal Environment Detection Using Smart Surveillance** in Banks". The application number of the patent is 202241065428.









TESTIMONIAL BY PLACED STUDENTS





AKKASH T, MECH (2021 BATCH) Sanmina Corp.,



A better human being, a better developer and a dream to achieve something big are all, I hoped for when I joined Sri Krishna College of Engineering. I am delighted to say that the faculty members have helped me to achieve these dreams. Here, I not only had the chance to develop on my technical skills but also on other aspects such as Leadership and Management skills. The faculty members always inspired me to go above and beyond my capabilities. I would like to specially thank the placement cell for guiding me and providing me a good platform for my career. I am very much grateful to my parents for choosing SKCET. Thanks to our Principal Madam and entire SKCET faculty team.

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TESTIMONIAL BY PLACED STUDENTS





As a student, I can say that SKCET is the best college to be at! The faculty members are very passionate and show their genuine desire to help students to achieve their goals. The college has great modern facilities which promotes great learning environment and flexible schedules that suit to meet the needs of a student like me. My college is different from all other engineering colleges because it not only focuses on the academics but also focuses on the overall development of a student. Our college takes the educational mission to heart, here you will find people who will support you and guide you on the path to your degree. SKCET has provided us a very enhanced and efficient platform for the exposure by training and placement department. I am very grateful to the placement team for providing us the best of placement opportunities. Thanks to my parents, SKCET Management, Principal and the entire SKCET family for the wonderful opportunity.



M.Tech. CSE | PLACEMENT TRAINING



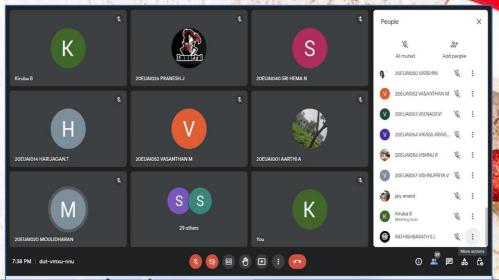
Students of Fourth year M.Tech Computer Science and Engineering attended 5 Days Intensive Placement Training from 19th November to 23rd November 2022. Recap on Core Java Programming Concepts were delivered by Placement Faculty Team Dr.K.Senathipathi, and Students were also undertaking skill rack, Neo Pat and P.Keerthana. assessment practice test.

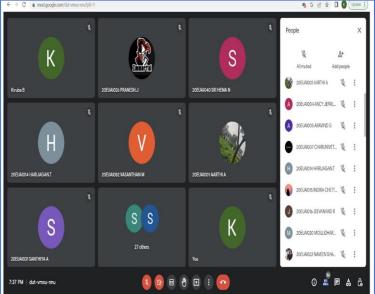


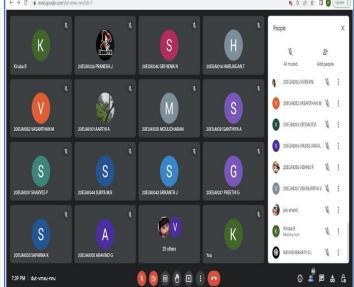




AI&DS | TUTOR WARD MEETING





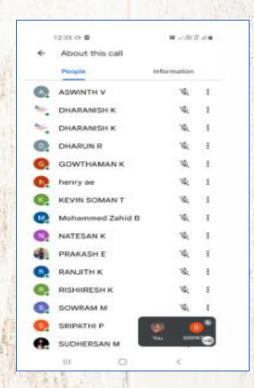


Ms.B.Kiruba, Assistant Professor, Department of Artificial Intelligence and Data Science conducted Tutor Ward Meeting for the Third year students on 14.12.2022 via Google Meet. The pointers of discussion were: Curriculum of the upcoming semester, motivated students to effectively participate in events and placement activities.

19th - 23rd DECEMBER 2022 | Weekly Newsletter



MCT | TUTOR WARD MEETING

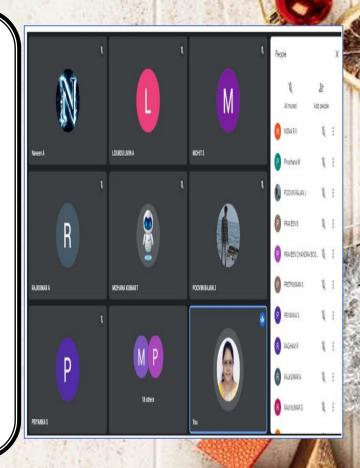


Mrs.K.Ananthi, Assistant Professor, MCT, has conducted Tutor Ward Meeting for the Second year lateral entry students on 17.12.2022. The pointers of discussion were:

- Submission of Achievement certificates
- End Preparedness for semester examinations
- Instructions on Hall ticket print
- Avoidance of Malpractices
- Guidelines to be followed during exams

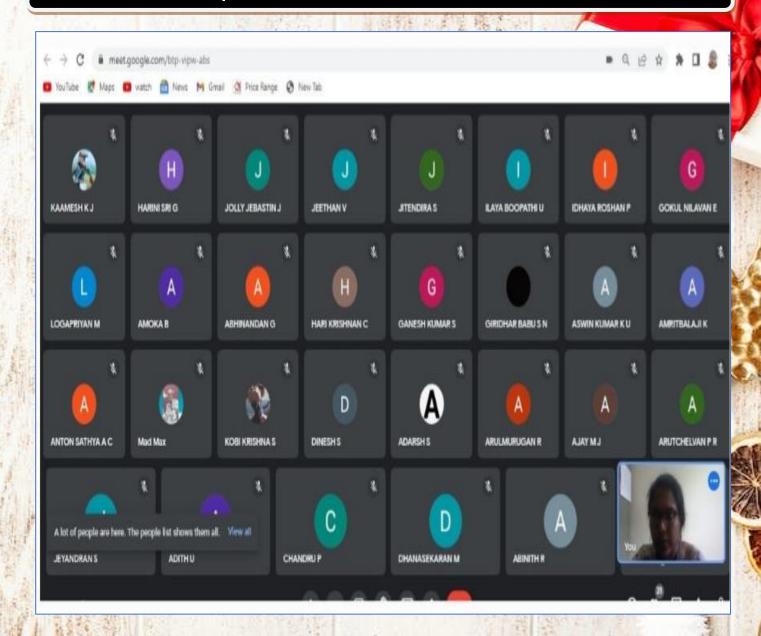
Dr.J.Indira priyadharshini, Assistant Professor, MCT, has conducted **Tutor** Ward Meeting for the Second year students on 17.12.2022. The pointers of discussion were:

- Submission of Achievement certificates
- Preparation for End semester examinations
- Instructions for exam, Hall ticket print-out
- Instructions to avoid mal practices





MCT | TUTOR WARD MEETING



Dr.D.Pritima, Professor, MCT conducted Tutor Ward Meeting for the Second year students on 17.12.2022. The pointers of discussion were:

- Instruction regarding Hall ticket printout, guidelines and avoiding malpractices inside the exam hall.
- Submission of event certificates
- End semester preparation and Healthcare.







CIVIL | YOUNG RESEARCHER AWARD







Dr. R. Chandra Devi, Associate Professor, Department of Civil Engineering, the Young Researcher Award (Female) Category was awarded This was awarded by Science Technology Engineering/Technology. Engineering Management Research Society in association with University Institute of Technology, Himachal Pradesh University, Shimla on December 17, 2022.

19th- 23rd DECEMBER 2022 | Weekly Newsletter



EEE | BEST MENTOR



Mr.S.Boobalan. **Assistant** Professor, EEE Department has been awarded as "Best Mentor" mentoring the innovative idea/project for I EEE B section Students team entitled "Agriculture With **Extended** Reality" during "ATOM Sympo 1.0" Organized by Project Contest Innovations LLP., on 11-12-2022.

CSBS | IEEE CONFERENCE SESSION CHAIR

Dr.S.Balakrishnan, Professor and Head, Department of Computer Science and Business Systems has preceded an active role as Session Chair in the IEEE International Conference Service Operations and Logistics, and Informatics 2022 held in online mode from December 2-4, 2022 at New Delhi.









MECH | COURSE ON MATLAB – AI AND **OPTIMIZATION TECHNIQUES**



Dr. V P Srinivasan, Assistant Professor, **Mechanical Engineering** has actively participated in AICTE recognized Faculty Development Program on 'MATLAB -**Artificial Intelligence and Optimization** Techniques' from National Institute of Technical **Teachers** Training and Research.

MECH | COURSERA CERTIFICATION

Mr. A. Sathishkumar, Assistant Professor, Mechanical Engineering completed course on Electric vehicles and mobility developed by École des Tech Ponts Paris through Coursera.





MECH | COURSE ON GOOGLE DATA **ANALYTICS**



Mr.R.Siva Subramanian.

Assistant Professor, Mechanical Engineering actively participated in days online Faculty two Development Program on 'Recent Advances in Robotics and Automation' conducted by the Department of Mechatronics Engineering during 8.12.2022 to 9.12.2022.

MCT | MATLAB – ARTIFICIAL INTELLIGENCE AND OPTIMIZATION **TECHNIQUES**

Mrs.S.Kannaki, Assistant Professor of MCT has proactively participated in the one week online Faculty Development Program on "MATLAB - Artificial Intelligence **Optimization Techniques**" and conducted by NITTR- Chandigarh from 21/11/2022 to 25/11/2022.





MCT | FACULTY DEVELOPMENT **PROGRAM**



articipated in the AICTE Recognized Faculty Deve

ch Scope in Electric Vehicles (In collab

Conducted by

Electrical Engineering Department

from

05/12/2022 to 09/12/2022 (One Week)







Dr.L.Feroz Ali, Assistant Professor of MCT, has actively participated in week online Faculty the one Development Program on "Research **Electric** Scope in (in collaboration with Vehicles ANSYS)" from 05/12/2022 to 09/12/2022.

IT | FDP ON RECENT ADVANCES IN **ROBOTICS & AUTOMATION**

Dr.S.Durga, Associate Professor IT has participated in two days of online FDP on "Recent Advances in Robotics and Automation" conducted by the Department of Mechatronics Engineering from 08-12-2002 to 09-12-2022, SKCET, Coimbatore.



SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution, Affiliated to Anna University, Chennai) (Accredited by NAAC with 'A' Grade, Accredited by NBA) Kuniamuthur, Coimbatore - 641 008

CERTIFICATE OF PARTICIPATION

This is to certify that Dr./Mr./Mrs.Dr. S. Durga of Sri Krishna College of engineering and technology

participated in Two Days Online Faculty Development Programme on "Recent Advances in Robotics and Automation" conducted by Department of Mechatronics Engineering on 8th and 9th December 2022 at Sri Krishna College of Engineering and Technology, Coimbatore.

8 Karrabi

Ms.S.Kannaki Coordinator

Dr.M.Lydia HoD/MCT

Dr.J.Janet Principal

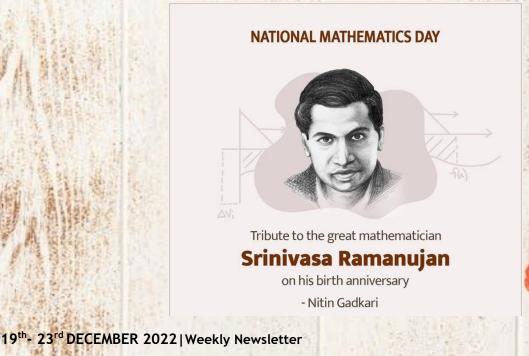


AI&DS | RECENT ADVANCES IN ROBOTICS **AND AUTOMATION**



Mr.G.S.Pugalendhi, Assistant Professor, Department of Artificial Intelligence and Data science has participated in Two Days Online Faculty Development Programme on "Recent Advances in Robotics and Automation" conducted by Department of Mechatronics Engineering on 8th and 9th December 2022 at Sri Krishna College of Engineering and Technology, Coimbatore

NATIONAL MATHEMATICS DAY









ECE | REVIEWER - IEEE BANGALORE SECTION 2022



Senthil Dr. Ganesh. **Assistant** Professor, Department of **ECE** has Session served as a Chair International Conference on Futuristics Technologies, during 25th and 27th November 2022.

ECE | CONFERENCE PRESENTATION



M. Ramkumar. **Associate** Professor, Department of Electronics and **Communication Engineering** has presented titled. paper "Detection and Diagnosis of Lung Cancer using Machine Learning Convolution Neural Network Technique" in the Second International Conference on "Smart Technologies", Communication and Robotics 2022 organized by Bannari Amman Institute of Technology on 10-11 December 2022.





Dr. V. Nandhalal, Professor, Department of Electronics and Communication **Engineering** has presented a paper titled, "Ventricular Network Protocol with IOT in Traffic Scenarios with Safety Requirements - A Review" in the IEEE International Conference on "Power, Energy, Control and Transmission System" held at Sri Sairam Engineering College, Chennai, Tamilnadu, India on 8th and 9th December 2022.

ECE | CONFERENCE PRESENTATION

Dr. M. Ramkumar, Associate Professor. Department of **Electronics** and Communication **Engineering** has presented a paper titled, "IoT-Based Child Rescue System Borewell" the 6th from in International Conference on Electronics, Communication and Aerospace Technology (ICECA by 2022) organized RVS Technical Campus, Coimbatore.





Ms. Niranjana. R, Assistant Professor, **Electronics** Department of **Communication Engineering** presented a paper titled, "Effectual **Home Automation** using ESP32 NodeMCU" in the International "Automation, Conference on **Computing and Renewable Systems** (ICACRS-2022)", organized by the Mount Zion College of Engineering and Technology.



ECE | CONFERENCE PRESENTATION



V. Nandhalal. Professor. Department of **Electronics** and **Communication Engineering** presented a paper titled, "A multicore **ECU-** Based Automation Software Domain Combining Runnable Sequencing and Task Scheduling" in International Conference the on "Automation, Computing and Renewable Systems (ICACRS-**2022)**", organized by Mount Zion College of Engineering and Technology.



Priyadharsini, **Assistant** Professor, Department of **Electronics** Communication **Engineering** has presented paper titled. "Performance Investigation Handwritten Equation Solver using CNN for Betterment" in the Second International Conference on "Smart **Technologies**", Communication 2022 Robotics organized the Amman Institute Bannari of Technology.



ECE | CONFERENCE PRESENTATION



Mr. J. R. Dinesh Kumar, Assistant Professor, Department of Electronics and Communication **Engineering** presented a has paper "Performance Analysis of Inbuilt Aid using Hearing Signal Enhancement by Deep Learning " in the Second International Conference "Smart Technologies", on Communication and Robotics 2022 organized by the Bannari Amman Institute of Technology on 10-11 December 2022.





Ms. Priyadharsini, Assistant Professor, Department of Electronics and Communication Engineering has paper titled. "An presented Investigation on speech to Sign Language Transfer for Hearing (SSLT) using **Impaired** Machine Learning **Techniques**" in Second International Conference on "Smart Technologies", Communication and Robotics 2022 organized by Bannari Amman Institute of Technology.

WRITE IT RIGHT

LAWYER

Lawyers are legal professionals who are trained in the law. Such professionals might offer legal guidance to another, or might not.

Examples

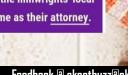
- Her lawyer made a statement outside the court.
- · We employed a lawyer to straighten our legal tangle.
- Have you consulted your lawyer about this?
- · I advise you to withdraw your allegation before I contact my lawyer.
- · He was the only lawyer who would touch the case.

ATTORNEY

Attorneys are also lawyers. They are people who attend law school and presumably wish to practice law as a legal professional, pursuing it as a profession.

Examples

- · She was made her father's attorney when he became ill.
- · As an attorney, he represented the poor free of charge.
- · Attorney Robert Rivas answers yes to both questions.
- · The car seller agreed to escrow the sum of \$2000 with her attorney.
- In November, the millwrights' local voted to hire me as their attorney.







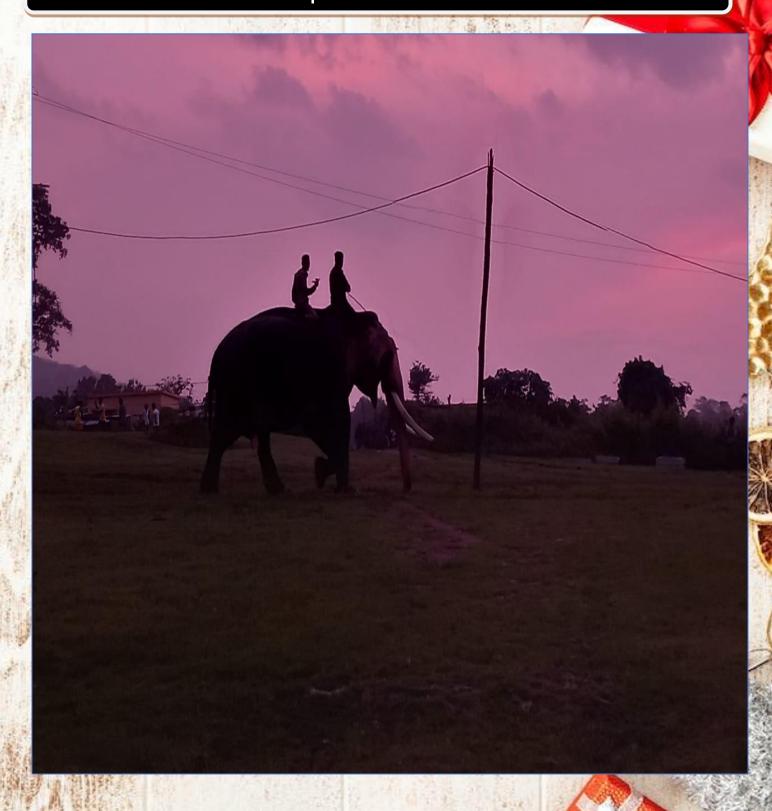


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Feedback @ skcetbuzz@skcet.ac.in



EEE | CAM CURVE



Surjith Surya.V III Year EEE B

19th- 23rd DECEMBER 2022|Weekly Newsletter

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S&H | CREATIVE CORNER

NATIONAL MATHEMATICS DAY

Mathematics is the gueen of Science and Technology. Mathematics has always been a subject of extreme. The word 'mathematics' gives shock to most of the students including the writer, whereas there is a small group who loves it to the core.

The advancement of human civilization can be somewhat attributed to this subject. Many courses such as Numerology, robotics and automation also have their origin in Mathematics. The credit for all these belongs to one and only Mr. Srinivasa Ramanujan. To pay tribute to him, 22nd December 1887, his birthday is celebrated as the **NATIONAL MATHEMATICS DAY**. The Theory of Numbers developed by him became an asset, based on which, infinite series and combination and even probability were developed. The Law of Averages and even the logic of mathematical analysis were invented by this great mathematician.

Main motto of mathematics day celebration is to make people aware of the significance of numbers in life. According to Ramanujan, "Numbers do **speak**". On this very special day, The Science and humanities department of our college has organized a camp and training session for both the teachers and students to enrich their mathematical skills.

Nothing can be more apt than to remember this genius through the celebration of mathematics day. The talent and work of Ramanujan are appreciated and followed across the globe up to this date. Mathematics is the base of all things around us and is celebrated, the greatness of math and Ramanujan is observed yet again on this special day.

> **GOKUL M** I M.TECH CSE



M.Tech. CSE | STUDENT ARTICLE

NATIONAL MATHEMATICS DAY

National Mathematics Day is celebrated as the birth anniversary of India's famed mathematician **Srinivasa Ramanujan**. Ramanujan is considered as one of the greatest minds in the field of mathematics. The analytical mind was much in evidence as he could simplify and extend the notes within a short time period. "He could reduce difficult solutions to be simple and elegant due to his deep knowledge of the subject matter".

RAMANUJAN'S MAGIC SQUARE:

22	12	18	87
88	17	9	25
10	24	89	16
19	86	23	11

- 1. The sum of any column is 139
- 2. The sum of any row is 139
- 3. The sum of diagonal elements is 139.
- 4. The sum of any 2x2 box is 139.
- 5. The sum of corner elements is 139.

The first row 22 12 18 87 is special because it isRamanujan's Birth date 22/12/1887.

1729: THE MAGIC OF HARDY – RAMANUJAN NUMBER:

The Hardy-Ramanujan number is named such after an anecdote of the British mathematician G.H. Hardy who had gone to visit S. Ramanujan in hospital. The anecdote is a part of Ramanujan's biography 'The Man Who Knew Infinity' by Robert Knaigel.

Mr. Hardy guipped that he came in a taxi with the number '1729' which seemed a fairly ordinary number. Ramanujan said that it was not. 1729, the Hardy-Ramanujan Number, is the smallest number which can be expressed as the sum of two different cubes in two different ways.

1729 is the sum of the cubes of 10 and 9 - cube of 10 is 1000 and cube of 9 is 729; adding the two numbers results in 1729.

1729 is also the sum of the cubes of 12 and 1- cube of 12 is 1728 and cube of 1 is 1; adding the two results in 1729.

From these incidents it is quite obvious that Ramanujan is one of the greatest analytical minds whom the history has come across. His contribution extends to mathematical fields such as complex analysis, number theory, infinite series, continued fractions and much more.

The old saying. "Those whom Gods love die young" was true in Ramanujan's case; he died at less than 33 years of age, hardly at one-third of the normal life-span. Such was the triumph and tragedy of a genius!

AJAY GANAPATHY K H, III M.Tech CSE

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CIVIL | UPCOMING EVENT



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World Soil Day Celebration

Department of Civil Engineering (Accredited by NBA)



SKCET National Service Scheme

Resource Person

Ms. D. Ranjini B.E., M.E.,

Chief Geotechnical Engineer

Geodesign India Private Limited

Coimbatore





Guest Lecture on

"Soil and Foundations in Civil Engineering"

Date: 21.12.2022

Coordinator

Time: 11.00 am to 12 Noon

Convenor

Dr. R. Chandra Devi

Venue: C4 - 17

Dr. D. Maruthachalam

Associate Professor/Civil

Professor & Head-Civil