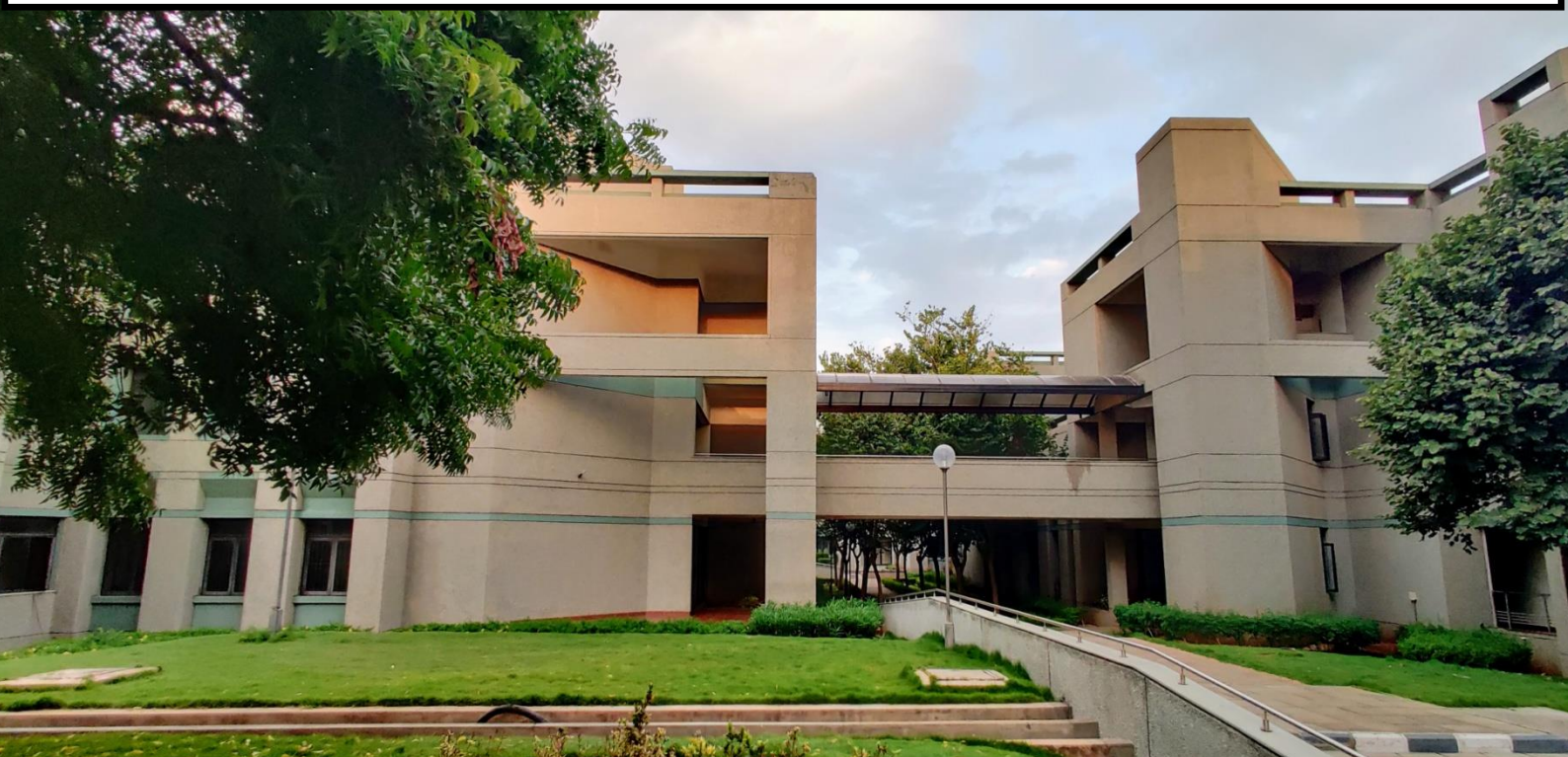


SKCET

Buzz



17th - 23rd September 2022



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INSIDE THE ISSUE

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- STUDENT PROGRESSION PG: 06 - 09
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HACKATHON ACCOLADES



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CSE | IMPRACTICAL HACKERS 2



Student team **Sierra- 4**, from the Department of CSE has bagged the **Best Track for Most Creative use of Twilio**. Among 97 different teams in **Impractical Hackers 2 Hackathon** the team was appreciated with Twilio Swag Box, GoGame console and gadgets. The event was conducted by **Major League Hacking**.

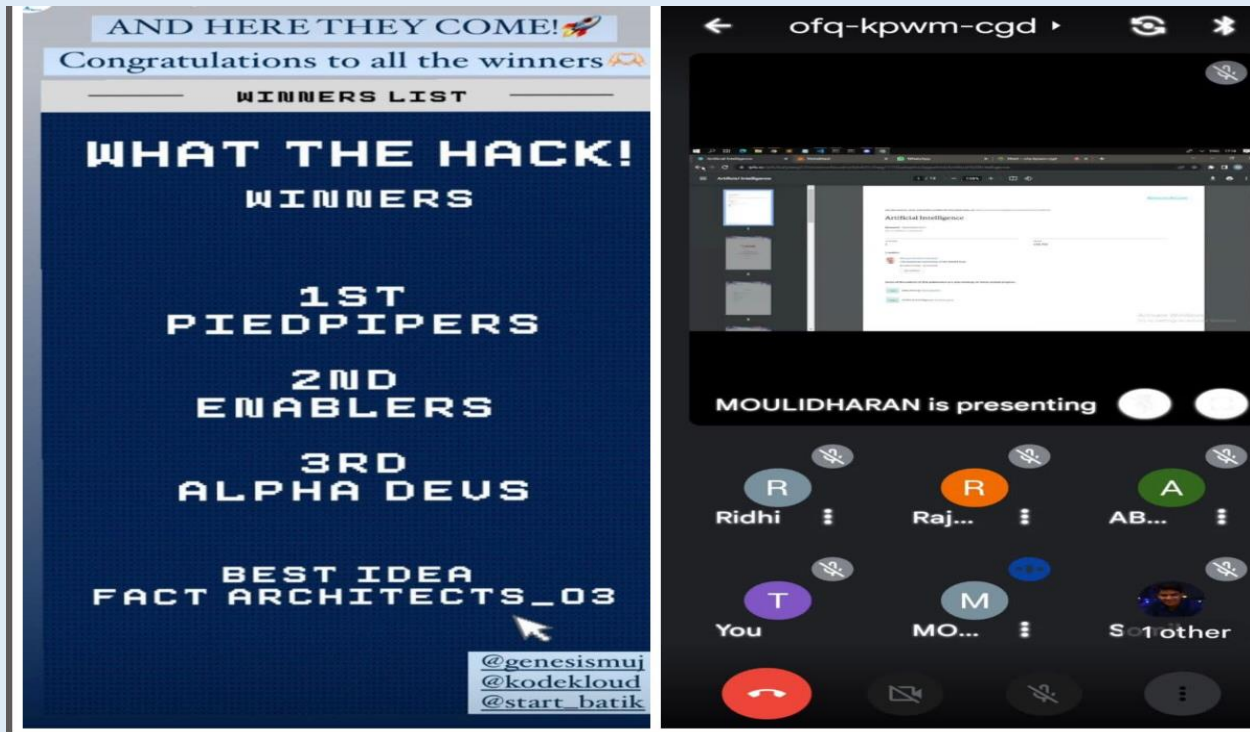
Team Members:

- 1.Prithika Andrea Angelina F- (II-CSE B)
- 2.Monish Kumar A-(II-CSE B)
- 3.Nagasundar-(II-CSE B)
- 4.Shameer(2018-22- Batch CSE)

Team Mentor:

Dr. M.Rohini - AP/CSE

AI&DS | WHAT THE HACK



Student team **Piedpipers** from Third year AI & DS has won **First** place with a cash prize of Rs.15,000 at **What The Hack** event organized by Manipal University, Jaipur.

Team Members:

- ❖ Harijagan T - III AI & DS
- ❖ Abdul Basith M - III AI & DS
- ❖ Moulidharan N - III AI & DS

Mentor:

Mr. G.S. Pugalendhi, AP/ AI & DS



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STUDENT PROGRESSION



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CIVIL | POSTER DESIGN



ASSOCIATION OF CONSULTING CIVIL ENGINEERS (INDIA)

COIMBATORE CENTRE

1054-32, Govt. Centre, Coimbatore, 3rd Floor, Amman Road, Coimbatore - 641 018.
Phone: 91-422-2249350 E-mail: accecoimbatore@gmail.com Website: www.acce.in

Dear Sir/ Madam,

Greetings from Association of Consulting Civil Engineers (India), Coimbatore Centre.

It is the Silver Jubilee Year for our Coimbatore Centre and as a part of our Silver Jubilee celebrations, we had planned 'The Poster Competition for Civil Engineering Students' on the theme **IDEAS FOR GREEN AND SUSTAINABLE COIMBATORE**. We appreciate your interest shown towards the competition. All the posters were excellent and must appreciate the hard work done by the students. We would like to appreciate the faculty members of the respective colleges who had motivated the students to participate in the competition.

Our special thanks to Head of Civil Engineering Department of respective Colleges for appreciating and permitting students to participate in such events.

The students presentation was overwhelming and it is evident that the students are getting ready to equip themselves to fulfill the expectations of the industry as a Civil Engineer.

The quality of posters was such that the Jury members found it difficult to decide on the top three posters. We are pleased to announce the results on 'The Engineers Day', 15th September 2022.

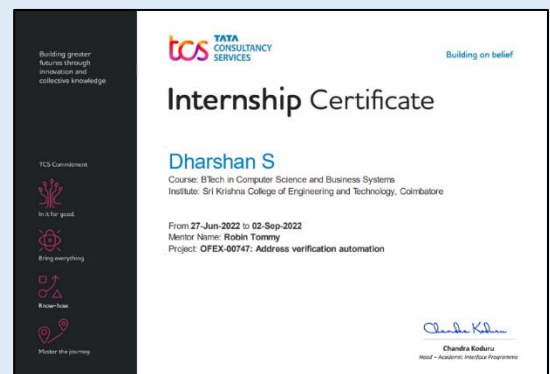
The results of the competition are as follows:

S.No.	CODE	STUDENTS	TOPIC	COLLEGE	PRIZE
1	ACCE/POS /2022/18	D.K.Srisaran/ M.Sudharsan	Rejuvenation_of Noyyal River	Bannari_Amman Institute of Tech., Sathyamangalam	First
2	ACCE/POS /2022/01	P.S.Narendhran/ S.Parthasarathy/ A.jayaroman	Low Cost Housing Solution for the Suburbans of Coimbatore	Bannari_Amman Institute of Tech., Sathyamangalam	Second
3	ACCE/POS /2022/13	S.Roshini/ T.Gopika	Noyyal River Basin	Sri Krishna College of Engineering and Technology, Coimbatore	Third
4	ACCE/POS /2022/06	G.N.Dhabasree/ T.Adhish	Solid Waste Management	N.G.P. Institute of Technology, Coimbatore	Special Jury Award
5	ACCE/POS /2022/14	Shri Dharshan/ P.R.Shanjal	Green Building	K.P.R. Institute of Engg. and Technology, Coimbatore	Special Jury Award

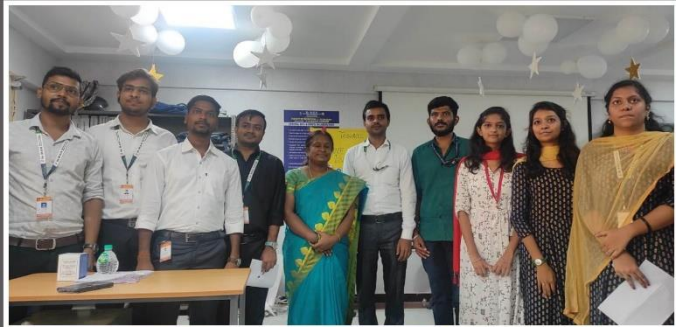
T. Gopika and S. Roshini, students of Civil Engineering Department have won the third prize in the poster design competition on the theme "Ideas for Green and Sustainable Coimbatore" organised by Association of Consulting Civil Engineers (India), Coimbatore centre as a part of Engineer's Day celebration.

CSBS | INTERNSHIP @ TCS

Dharshan S and Kolanthaivel S students of Final year CSBS have successfully completed three months (27th June to 2nd September 2022) internship programme on the project "Address Verification Automation" at TATA Consultancy Services.



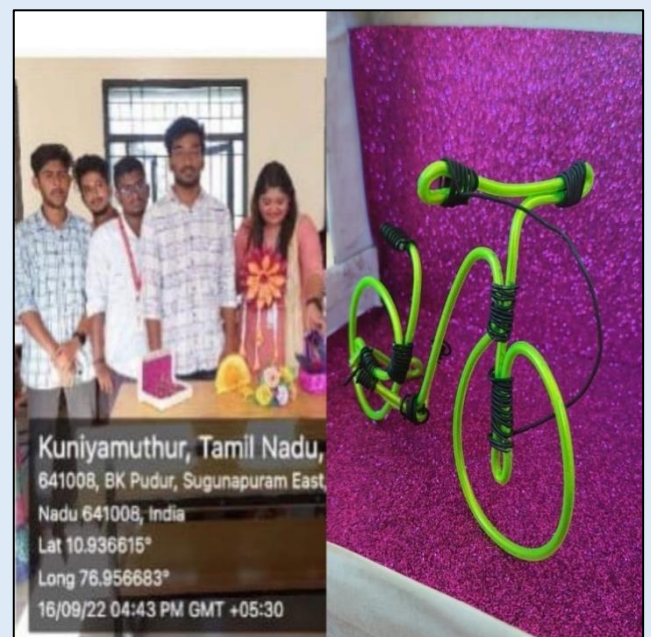
AI&DS | DEBUGGING EVENT



D.Deepak Kumar and A.Dhanupri, students of Third year AI&DS have participated in the Debugging Event organized by the Department of IT, Dr.MGR Educational and Research Institute, Chennai and have won **Second and Third Prize** with a cash prize of Rs 3500/- .

AI&DS | CRAFT WORK

Ashok Kumar S, Harisuriya M.R, Gokul U and Deepak Darshan J, students of Third year AI&DS participated in the Interdepartmental craft work and have won First Prize.



AI&DS | STUDENT CERTIFICATION

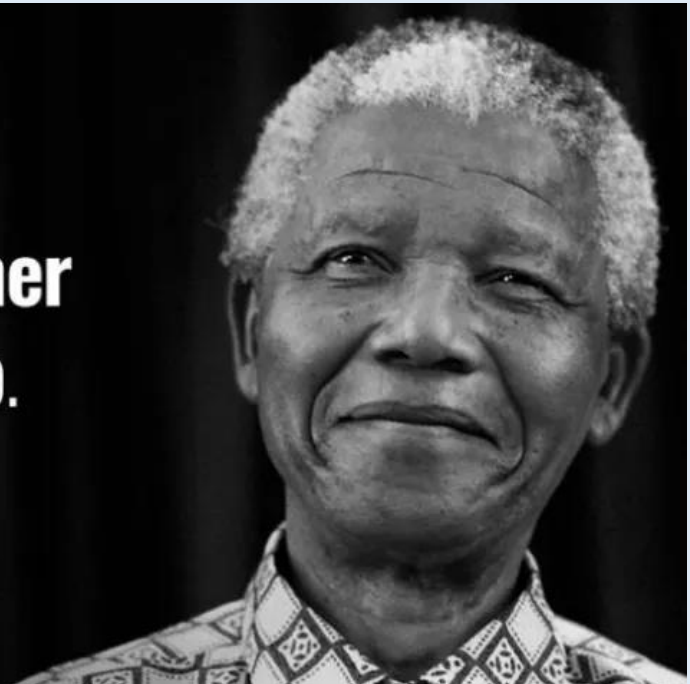
Geethan K.R, student of **Second year, Artificial Intelligence and Data Science** has won **third** place in Paper presentation on **Artificial Intelligence in the study of space** organized by Kongunadu College of Engineering and Technology.



LEGENDARY INSIGHTS

**A winner is a dreamer
who never gives up.**

- Nelson Mandela





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EVENTS



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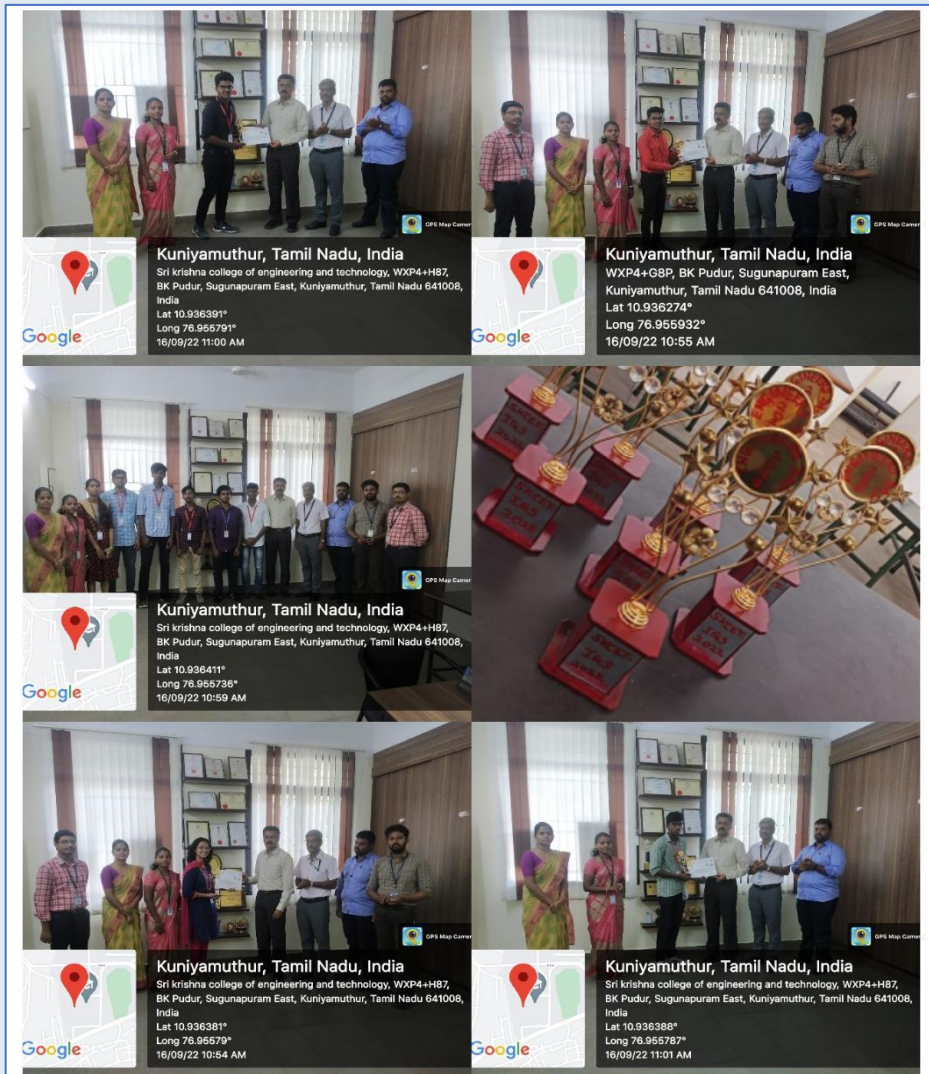
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S&H | WORLD PEACE DAY' 22



World Peace Day'22 was organized by the **Department of Science and Humanities** on the theme **“End Racism, Build Peace”** to share the act of peace together. **Dr.Sophia**, Dean of Research & Development, Heads of various Departments, faculty members and students participated in the event. A beautiful white dove was released as a symbol of peace and an awareness rally was flagged off to build students' knowledge and understanding of the concept of world peace. World Peace Day pledge was administered by the students and faculty members.

CIVIL | ENGINEER'S DAY CELEBRATION



The **Indian Geotechnical Society** and the **Student Chapter** organised several competitions like Geoposter, Geo Snap talk video and Geotechnical Challenge to celebrate Engineer's day 2022. The best performers were provided with shields and certificates of merit. The celebration was organized by Dr. R. Chandra Devi, Assistant Professor, Civil.

ECE | SEMINAR ON DATA SCIENCE ENGINEERS



Department of Electronics and Communication Engineering organized a Seminar on "Data Science Engineers" on 19.09.2022. Mr. Ranjit Prasath Sivakumar, Team Leader, Imagecon India Private Limited, Salem, Tamil Nadu was the Resource Person. Key points discussed were: Role of Data Science Engineer, Skill Sets required to become a Data Scientist, Life cycle of data science engineer and the significant difference between a data analyst and a data engineer.

ECE | ASSOCIATION INAUGURATION



Department of **Electronics and Communication Engineering** Inaugurated the Association of ECE - **Alpheron 2k22** on 16.09.2022. **Mr. Janarathanam Subramaniam**, Senior manager, Capgemini, Bangalore, India was the Chief Guest. **Dr.S Sasi Priya**, HOD, ECE, welcomed the gathering. Administrative panel members and office bearers for the academic year 2022-23 was introduced by **Ms. Asha Banu**, Assistant Professor, ECE. **Dr.S Sophia**, Dean-R&D, delivered the presidential address, **Dr.V Nandalal**, Associate Professor, ECE, delivered the vote of thanks.

The Association logo was launched by the Chief Guest of the day in the presence of **Dr.S Sasi Priya**, HOD, ECE and **Dr.S Sophia**, Dean-R&D. He also gave an insightful lecture on R &D, recent projects and Electronic project developments related to DSP.

EEE | APPLICATIONS OF ARDUINO IN IOT FOR DIGITAL INDIA



The Department of Electrical and Electronics Engineering organized a Guest Lecture on “Applications of Arduino in IoT for Digital India” at for Third year students on 16-09-2022. Mr. V. Gopi, Design Engineer - SKM Electronics, Vellore was the resource person. He introduced the various advanced concepts of embedded system and IoT to the students. He also explained the need of integration of microcontrollers for Industrial application.

Session take-aways:

- # Advanced Techniques in Embedded System and IoT
- # Importance of Arduino
- # Microcontrollers for Industrial Applications
- # Generation of Energy using advanced Magnets
- # Knowledge on Project Development

EEE | PROJECT EXPO 2k22



Students of EEE has secured **Third place** in Project Expo - 2k22 event conducted by the department of AI&DS. Team "Fab Four" has been rewarded with a cash price of Rs.1000/-

III Prize

Team Name: **Fab Four**

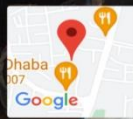
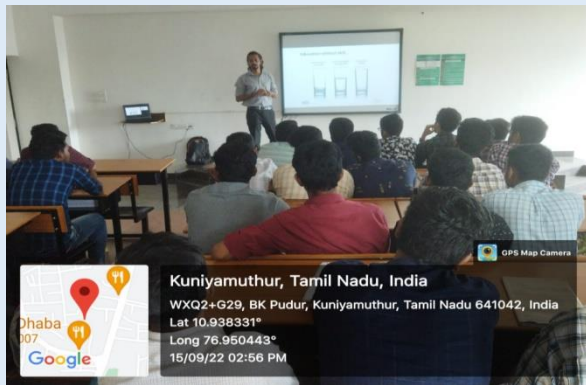
Team Members:

- Kavithra R
- Hemadharshini S
- Kavya V
- Chesima M

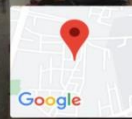
Project Title: Solar based Home automation using IoT

Mentor: Ms.C.Pavithra

MECH | GUEST LECTURE ON ADVANCED WELDING TECHNOLOGIES



Kuniyamuthur, Tamil Nadu, India
WXQ2+G29, BK Pudur, Kuniyamuthur, Tamil Nadu 641042, India
Lat 10.938331°
Long 76.950443°
15/09/22 02:56 PM



Coimbatore, Tamil Nadu, India
7/82C, BK Pudur, Kuniyamuthur, Coimbatore, Tamil Nadu 641008, India
Lat 10.937088°
Long 76.953684°
15/09/22 02:55 PM

Association of Mechanical Engineers along with the Department of Mechanical Engineering organized a Guest lecture on "Advanced Welding Technologies" as a part of Engineers Day Celebration on 15.09.2022 for the Third year students. Resource persons from GeeDee Technical Institute handled the session. Students understood the advanced technologies used in joining metals.

MECH | DEMO SESSION ON 3D PRINTING



Faculty members from the Department of Mechanical Engineering attended the demo session on '3D Printing'. The 3-D printer has been procured by the funds received from DST SEED STI hub for establishing smart foundry set up.

M.TECH. CSE | ASSOCIATION INAUGURATION



Department of M.Tech Computer Science and Engineering inaugurated its Association - **Glazus 2k22**. **Dr.P.Kavitha Rani**, Head of the Department welcomed the gathering. **Dr.A.Pushpalatha**, introduced the Office Bearers for the Academic Year 2022-23. **Mr.Ashok Kumar**, Director Engineering, **Quinbay**, Bangalore, India and **Mr.Prasanna Sree Hari Vivekanandan**, **Solution Architect**, **HP**, Bangalore, India were the Chief Guests of the day. The Association Logo and the department Magazine "**Leaflet 2k22**" was launched by the delegates.

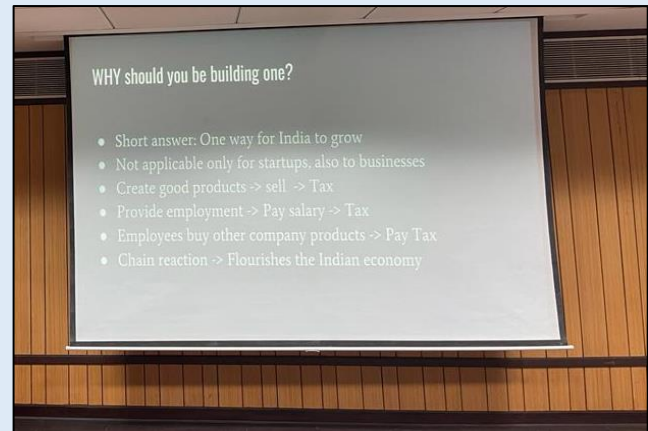
CSE | HANDICRAFT COMPETITION



Department of CSE organized a handicraft competition to celebrate the formation of EBSB clubs and the celebration of EBSB “Swachh Mela & SAP” on 16.09.2022. Students from various departments participated in the event. The Session take aways were:

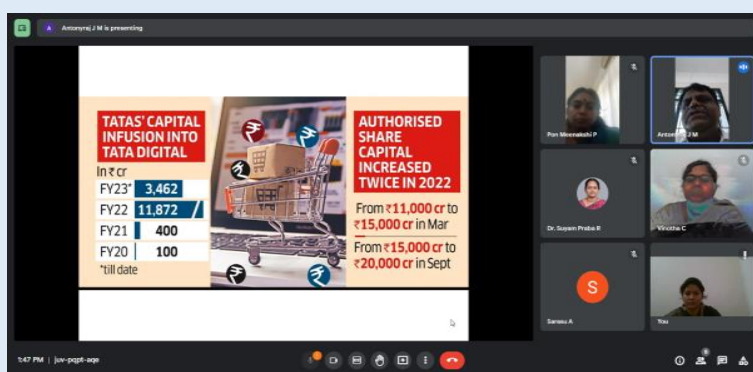
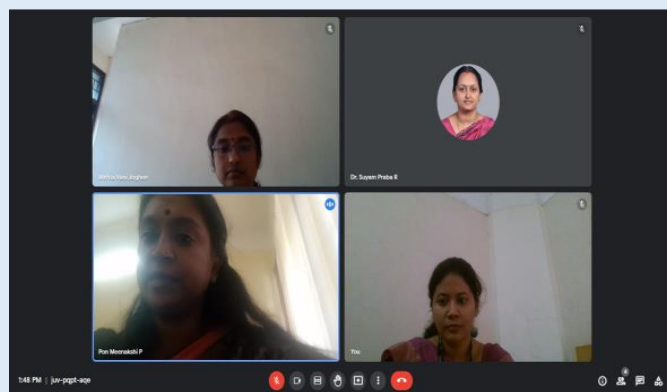
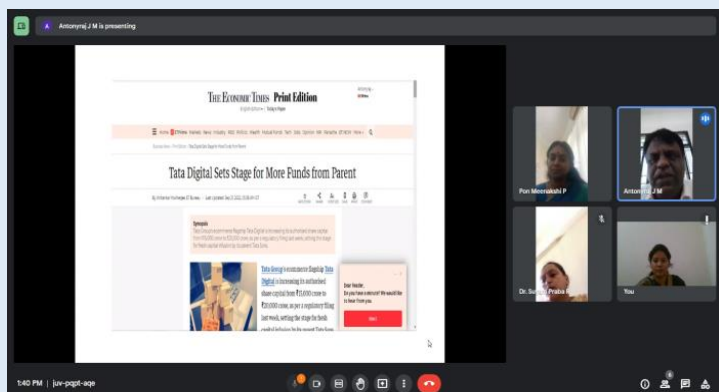
- Origami Paper-craft
- Woodwork
- Bamboo handicrafts
- Weaving and Embroidery handicrafts

CSE | CODE UTSAV 2022



Department of M.Tech Computer Science and Engineering organized Code Utsav 2022 in association with Fortune Cybernauts Club. The Club was successfully inaugurated and Technical events were conducted and judged by the Chief guest **Mr S SSiddharthan**. The winners were awarded with achievement certificates.

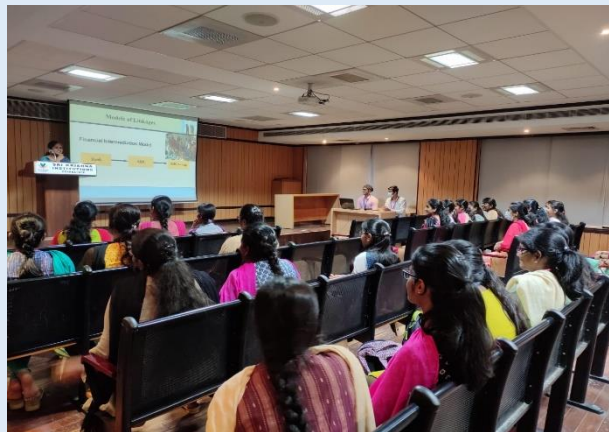
SOM | LETS DISCUSS PROGRAM



School of Management conducted week Six of Let's Discuss Program from 15.09.2022 to 21.09.2022 the faculty members virtually presented the current business news from reputed business dailies - The Business line, The Economic Times, The Hindu and Times of India.

SL. NO.	FACULTY NAME	TOPICS
1	Dr.P.Pon Meenakshi	High Inflation impact US, EU- Look for cheaper
2	Dr.P.Pon Meenakshi	Crude shock - will Iran make a come back
3	Dr.P.Pon Meenakshi	Bright growth prospects driving High Imports
4	Mr.J.M.Antony Raj	Tata Digital sets stage for more funds from parent
5	Mr.J.M.Antony Raj	Byjus losses swell to 4588cr in financial year 2021.

SOM | ORIENTATION



An orientation session was organized by SoM on 19.09.2022. **Dr.P. Pon Meenakshi**, HoD, SoM interacted to the students on the objective of Education and Life. **Mr.J.M.Antony Raj** and **Dr.C.Vinotha**, faculty members of SOM gave an insightful talk on a **Career Guidance, Corporate Expectation and Micro Financing**. The session was highly engaging and interactive.

SOM | NSS ACTIVITY



Awareness programme on Usage of Plastics was organized by the **Second year MBA** students on 21.09.2022 and 22.09.2022. Students actively participated in the rally which covered around 5Km's in town hall.

MCT| WEBINAR ON DESIGN AND CONTROL ROBOTS FOR FIELD AND SERVICE



Department of Mechatronics Engineering organized a webinar on "Design and Control Robots for Field and Service Applications" on 16.09.2022. Dr.T.Asokan, Head of the Department, Department of Engineering Design, IIT Madras was the Resource Person.

Session Highlights:

- Robotic research
- Tele-surgical Robotics
- Mechanism for end tool Actuation
- Autonomous Underwater Vehicle
- Underwater Glider

CSBS | WEBINAR ON CYBER SECURITY



AICTE SPICES - Hack Club and the Department of Computer Science and Business Systems jointly organized an online webinar titled “**Cyber Security**” on 19.09.2022. **Mr. S. Kabilan**, Red Teamer, ZOHOO Corporation, notable alumnus was the resource person.

Session Highlights:

- Threat Models on Web
- Application and Web Security
- Ethical Hacking and its opportunities
- Certification Programs on Cyber Security

EEE | APPLICATIONS OF ARDUINO IN IOT FOR DIGITAL INDIA



Department of **Electrical and Electronics Engineering** organized a Guest Lecture on “**Applications of Arduino in IoT for Digital India**” for **Third** year students on 16.09.2022. **Mr. V. Gopi**, Design Engineer - SKM Electronics, Vellore was the resource person.

Session Highlights:

- Advanced Techniques in Embedded System and IoT
- Importance of Arduino
- Microcontrollers for Industrial Applications
- Generation of Energy using advanced Magnets
- Knowledge on Project Development

EEE | YOGA - AN ESSENTIAL FOR HEALTHY LIFE

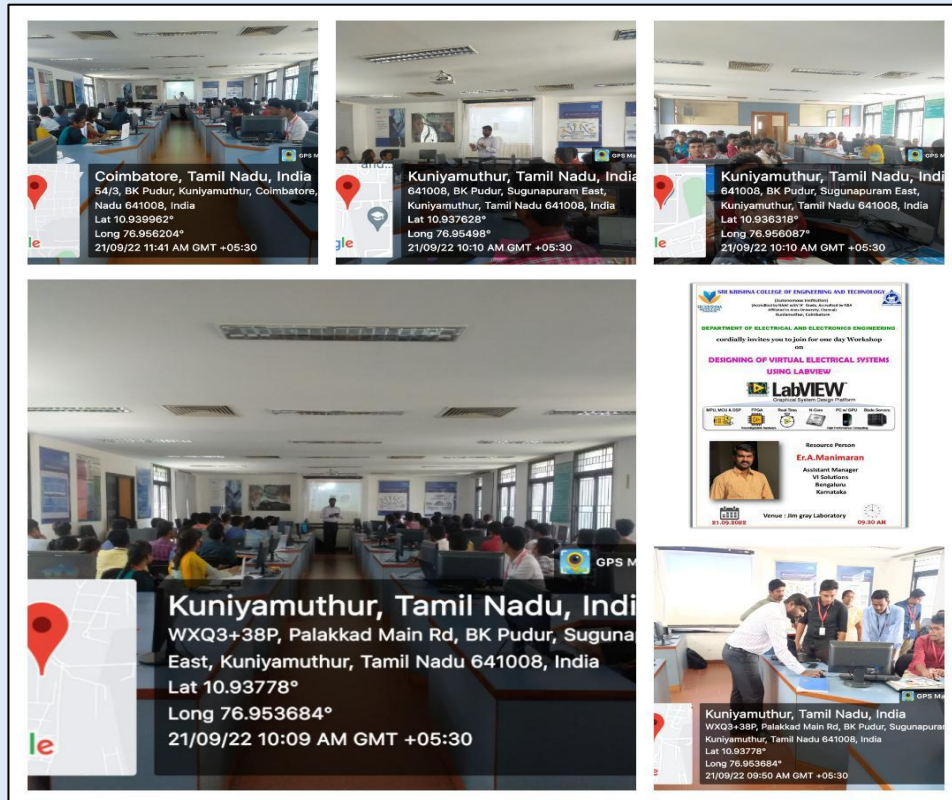


The Department of Electrical and Electronics Engineering organized a seminar on “YOGA - An Essential for Healthy Life” for the Second year students on 16.09.2022. Mr. Marimuthu, Secretary - Salem Yogasanna District Sports Association, Salem, was the Resource Person.

Session Highlights:

- Brain activity and Chemical reaction.
- Types of Breathing.
- Control of Aggressive Impulse and Anger Level Management.
- Self Awareness in Proper Body Maintenance.
- Risk of unhealthy Food Habits.
- Practice it to lead a Healthy and Long-Life.

EEE | WORKSHOP ON DESIGNING OF VIRTUAL ELECTRICAL SYSTEMS USING LABVIEW



Department of EEE has organized a one-day Workshop on “**Designing of Virtual Electrical Systems using LabVIEW**” for the Pre- final year EEE students on 21.09.2022. **Mr.A.Manimaran**, Lead Manager, VI Solutions, Bengaluru was the Resource Person.

Session Highlights:

- Hands on training to analyze Analog signals using Electric power tool.
- Measuring three phase Voltage, Current, Power and Energy.
- Hands on Co- simulation for Power electronics design.
- Demo on research case studies.
- THD, Spectral analysis, FFT analysis.

AI&DS | AI RESHAPING - FUTURE OF MOBILE APPS



Department of Artificial Intelligence and Data Science organized a Guest Lecture for the Pre- final year students on the topic “AI Reshaping - Future of Mobile Apps” on 21.09.2022. The Session was handled by Ms.M.Akshayaa, Associate Software Engineer, Hexaware Technologies, Coimbatore. Introduction to Mobile App, App Development Process, UI/UX Design, Using ML in App development were the session highlights.



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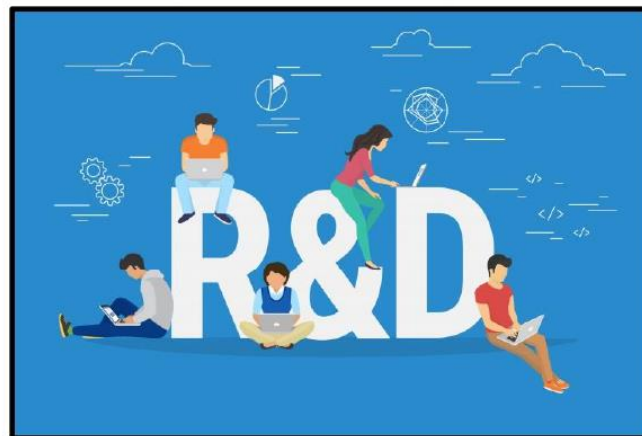


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RESEARCH AND DEVELOPMENT



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R&D | PATENT PUBLICATION | CIVIL



Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India

Application Details	
APPLICATION NUMBER	202241050786
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	06/09/2022
APPLICANT NAME	1 . Dr.M.R.Ezhilkumar 2 . Dr.V.Yogeshwaran 3 . Mr. A. Jesudass 4 . Mr. S. Sadheesh 5 . Vignesh.T
TITLE OF INVENTION	CAPSULE ROBO TO TRACK THE LEAKAGES IN WATER PIPELINES
FIELD OF INVENTION	CHEMICAL
E-MAIL (As Per Record)	ezhilkumar@skcet.ac.in
ADDITIONAL-EMAIL (As Per Record)	ezhilkumar@skcet.ac.in
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	16/09/2022

Dr.M.R.Ezhilkumar, Dr.V. Yogeshwaran, Mr. A. Jesudass and Mr. S. Sadheesh, Assistant Professors, Department of Civil Engineering have published a patent on the title "Capsule Robo to track the leakages in water pipelines".

R&D | PAPER PUBLICATION | ECE

Dr.S.Sasipriya, Professor and Head, Department of ECE has published a paper on an "An Optimized Novel Trust-Based Security Mechanism Using Elephant Herd Optimization" in Computer Systems Science & Engineering. It is Anna University Annexure - I, SCI and Scopus indexed journal.

Computer Systems Science & Engineering

DOI: 10.32604/csse.2023.026463

Article

Tech Science Press

An Optimized Novel Trust-Based Security Mechanism Using Elephant Herd Optimization

Saranya Veerapaulraj^{1,2}, M. Karthikeyan¹, S. Sasipriya² and A. S. Shanthi¹

¹Tamilnadu College of Engineering, Coimbatore, India

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Received: 27 December 2021; Accepted: 16 March 2022

Abstract: Routing strategies and security issues are the greatest challenges in Wireless Sensor Network (WSN). Cluster-based routing Low Energy adaptive Clustering Hierarchy (LEACH) decreases power consumption and increases network lifetime considerably. Securing WSN is a challenging issue faced by researchers. Trust systems are very helpful in detecting interfering nodes in WSN. Researchers have successfully applied Nature-inspired Metaheuristic Optimization Algorithms as a decision-making factor to derive an improved and effective solution for a real-time optimization problem. The metaheuristic Elephant Herding Optimizations (EHO) algorithm is formulated based on elephant herding in their clans. EHO considers two herding behaviors to solve and enhance optimization problem. Based on Elephant Herd Optimization, a trust-based security method is built in this work. The proposed routing selects routes to destination based on the trust values, thus, finding optimal secure routes for transmitting data. Experimental results have demonstrated the effectiveness of the proposed EHO based routing. The Average Packet Loss Rate of the proposed Trust Elephant Herd Optimization performs better by 35.42%, by 1.45%, and by 31.94% than LEACH, Elephant Herd Optimization, and Trust LEACH, respectively at Number of Nodes 3000. As the proposed routing is efficient in selecting secure routes, the average packet loss rate is significantly reduced, improving the network's performance. It is also observed that the lifetime of the network is enhanced with the proposed Trust Elephant Herd Optimization.

Keywords: Wireless sensor network; low energy adaptive clustering hierarchy; trust systems; elephant herding optimizations algorithm; trust-based elephant herd optimization

R&D | PAPER PUBLICATION | ECE

ISSN: 0974-5823

International Journal of Mechanical Engineering

Vol. 7 No. 6 June, 2022

Vehicle Monitoring and Indicating System

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² UG Student, Department of ECE, Sri Krishna College of Engineering and Technology, Coimbatore, Tamil Nadu, India.

R. Apoorva³

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R.V. Arthi⁴

⁴ UG Student, Department of ECE, Sri Krishna College of Engineering and Technology, Coimbatore, Tamil Nadu, India.

Abstract - The Internet of Things (IoT) is a technical paradigm of interconnected things that enables physical items or devices to connect, communicate, and share data with other items or objects. The major purpose of IoT is to automate activities as well as to develop communication between items or devices. IoT applications have influenced a wide range of fields, including home automation, health care, energy systems, smart cities, agriculture, and industries. As we all know, the automobile sector is one of the fastest expanding industries today. Every home has a vehicle, which is both required and desirable. The Vehicle Monitoring System (VMS) is intended to improve the safety of our ride. We employ a variety of sensors to gather information about the vehicle's actions. Due to the presence of sensors in the vehicle, it is difficult to predict any breakdown in advance. We will be able to detect any damage, as well as the amount of fuel in the tank, the engine temperature, the condition of the vehicle's tyres. This project's use of the Internet of Things (IoT) is impressive. The IoT is reshaping the technology landscape and allowing us to do more with less.

Keywords—internet of things, vehicle monitoring system, temperature sensor, fuel level sensor, Wi-Fi, air pressure sensor

Mr. R. Sarath Kumar, Assistant Professor, Department of ECE has published a Scopus indexed Journal titled “Vehicle Monitoring and Indicating System” in the International Journal of Mechanical Engineering Vol 7, Issue 6, June 2022.

R&D | PAPER PUBLICATION | MECH& MCT

Dr.R.Soundararajan, Associate Professor, Mr.A.Sathishkumar, Assistant Professor, Department of Mechanical Engineering along with Dr. L. Feroz Ali, Assistant Professor, Mechatronics Engineering have published a scientific article entitled ‘Exploration of various forging route performance of cast A356 alloy reinforced with fly ash and MWCNT hybrid composites’ in the journal of The Institution of Engineers (India): Series D – A Springer publication. It is a Scopus indexed journal.

J. Inst. Eng. India Ser. D

<https://doi.org/10.1007/s40333-022-00401-6>



ORIGINAL CONTRIBUTION

Exploration of Various Forging Route Performance of Cast A356 Alloy Reinforced with Fly Ash and MWCNT Hybrid Composites

R. Soundararajan¹ · A. Sathishkumar¹ · L. Feroz Ali¹ · K. Kaviyarasan¹

Received: 21 May 2022 / Accepted: 23 August 2022
© The Institution of Engineers (India) 2022

Abstract This proposed study is concerned with casted virgin A356 alloy and stir casted A356 reinforcement with 8 wt% power plant waste fly ash particles and 2 wt% of multi-wall carbon nanotube (MWCNT) hybrid composites further exposed by unidirectional (X), bi-directional (X and Y) and multi-directional forging technique (X, Y and Z). The micrograph and energy dispersive X-ray spectroscopy (EDS) study revealed that the stir-casted hybrid composites with multi-directional forging sample have even distribution of pour-free particles and fine grain refinement in the matrix. superior than any other samples which are evident through corrosion surface analysis using SEM. This outcome was prime consideration, especially in automobile applications.

Keywords Stir casted hybrid composites · Directional forging technique · Hardness and tensile strength · Wear and corrosion behaviour

Introduction

R&D | PATENT PUBLICATION | S&H/ MCT

Dr. Ragavi V, Dean of Student Affairs, Dr. Shanthy P, Mr.Palani S, faculty members of S&H and Dr.N.Mithran, Assistant Professor, MCT have published a patent entitled “Humidity Detection Sensor System(HDS2)” with application number 20224050764A on 16th Sep, 2022.

(12) PATENT APPLICATION PUBLICATION		(21) Application No.:20224050764 A	
(19) INDIA		(22) Date of Filing of Application: 06/09/2022	
(42) Date of Filing of Application: 06/09/2022		(43) Publication Date: 16/09/2022	
(54) Title of the invention: HUMIDITY DETECTION SENSOR SYSTEM (HDS2)			
(71) Name of Applicant: HDSI SRIKRISHNA KARBHIN, Address of Applicant: 1/36, Main Road, Mangalam 2/16, Palani 3/16, K. Ramesh Babu 4/16, J. Ragavi 5/16, P. Shanthy 6/16, N. Senthil Kumar 7/16, Mithran 8/16, G. Dhannakar 9/16, M. Naadu Kibber 10/16, P. Anandkumar 11/16, Sri Krishna College of Engineering and Technology Name of Applicant: NA Address of Applicant: NA		(72) Name of Inventor: J. Justin Maria Hilary Address of Applicant: Sri Krishna College of Engineering and Technology, Coimbatore, Tamil Nadu, India. Coimbatore 2/16, K. Ramesh Babu Address of Applicant: SCOPE, Vellore Institute of Technology, Vellore, Tamil Nadu, India. Vellore 3/16, N. Ragavi Address of Applicant: Sri Krishna College of Engineering and Technology, Coimbatore, Tamil Nadu, India. Coimbatore 4/16, P. Shanthy Address of Applicant: Sri Krishna College of Engineering and Technology, Coimbatore, Tamil Nadu, India. Coimbatore 5/16, N. Senthil Kumar Address of Applicant: Sri Venkateswara College of Engineering and Technology, Chittoor, Andhra Pradesh, India. Chittoor 6/16, Mithran Address of Applicant: Sri Krishna College of Engineering and Technology, Coimbatore, Tamil Nadu, India. Coimbatore 7/16, G. Dhannakar Address of Applicant: Sri Venkateswara College of Engineering and Technology, Chittoor, Andhra Pradesh, India. Chittoor 8/16, M. Naadu Kibber Address of Applicant: VESU Institute of Technology, Chittoor, Andhra Pradesh Chittoor 9/16, P. Anandkumar Address of Applicant: Nachimuthu Polytechnic College, Polur, Tamil Nadu, India. Polur 10/16, Sri Krishna College of Engineering and Technology Address of Applicant: Sri Krishna College of Engineering and Technology, Coimbatore, Tamil Nadu, India. Coimbatore	
(51) International classification: A61P02/00000, A61P01/00000, A61P01/00000, A61B00/70000, A61P03/00000	(86) International Application No: PCT/IN/01/1960	(87) International Publication No: NA	(61) Prior art to which the invention relates: NA
(62) Divisional to: NA	(63) Divisional to: NA	(64) Divisional to: NA	(65) Divisional to: NA
(66) International Application Number: NA	(67) International Filing Date: NA	(68) International Publication Date: NA	(69) International Publication Date: NA
(57) Abstract: In the field of Agriculture, there are so many issues going on. Most of the lands in our country are left vacant due to lack of knowledge by the people. Our country has much traditional knowledge in the field of Agriculture, yet there are some gaps to improve the utilization of technologies in the field of Agriculture. Though there are many devices that farmers used a cost-effective device to judge the gap. Our proposed work would analyze the soil moisture and then based on the storage of rain water, farmers can increase the quality of the soil. Our proposed work uses Rainfall Detector Sensor, Water Evaporation Sensor and Water level Depth Detection Sensor to give the knowledge for increasing the soil quality. With our proposed work, most farmers would get benefited economically. No. of Pages: 6 No. of Claims: 5			
The Patent Office Journal No. 37/2022 Dated 16/09/2022			
58331			

R&D | JOURNAL PUBLICATION | MCT

Dr. J. Justin Maria Hilary, Assistant Professor, MCT has successfully published a research article “Finite Element Method – Based Spherical Indentation Analysis Of Jute/Sisal/Banana – Polypropylene Fiber-Reinforced Composites” in Anna University Annexure 1 Journal with an Impact factor of 4.373. Indexed in SCI, Scopus and other reputed database.





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TRAINING AND PLACEMENT



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PLACEMENT | SKCET- ASPIRE SYSTEMS COE IMPACT TRAINING



Mrs. Jaya Ethiraj and Ms. Snigdha, Talent Nurturing Team, Aspire Systems addressed the young aspirants of SKCET and provided their valuable suggestions to acquire adequate skill as per the industry standards.

PLACEMENT | TESTIMONIAL BY PLACED STUDENT



SHAI PRASAD S, IT (2021 Batch),

ZIFO

I really loved my time at SKCET. In retrospect, this period of four years feels very short, but I was guided throughout to make the most of it. Regardless of whether this was the absolute best time of my life, one thing that is for sure is that this was certainly a crucial first step in the beginning of my career. With a lot of work put into educational online platforms by the institution, and the constant effort of teachers, it was easy to get acquainted with at least a skill or two. And this was one of the biggest reasons I am thankful to SKCET Placement Team for providing a platform to enhance my skills and an opportunity to showcase them. I was able to land my first job. Looking back, I would not have it any other way. Thanks to my parents, SKCET Management, Principal and the entire SKCET family for the wonderful opportunity.



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TUTOR WARD MEETING



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ECE | CLASS COMMITTEE MEETING



Dr. Sujatha, Associate Professor, AI&DS conducted Class Committee Meeting for **Third** year ECE students on 16.09.2022. The points of discussion were: Academic performance, learnathon participation, placement practice test and attendance.

EEE| TUTOR WARD MEETING



Dr. B. Karthikeyan, Associate Professor, EEE and **Ms.C.Pavithra**, Assistant Professor, EEE conducted **Tutor Ward Meeting** for the **Third** year EEE students. The Pointers of discussion were:

- ICT Learnathon course completion status.
- Motivating the students to participate in the project expo, hackathon.
- Advised to avoid absence for placement training and class.
- Advised to be on time to class, well groomed, general discipline inside the campus.



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FACULTY CERTIFICATION



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CIVIL | COURSERA CERTIFICATION



Dr. P. Saravanakumar, Associate Professor, Department of Civil Engineering has successfully completed a course on “Introduction to Engineering Mechanics” authorized by Georgia Institute of Technology and offered through Coursera.

CSE | FACULTY CERTIFICATION



Dr. Vijaya and Dr.D.Rasi, faculty members of CSE Department have participated in the one week Faculty Development Program on “Amazon Web Services” organized by SKCET in collaboration with Brainovision Solutions India Pvt. Ltd & AICTE during August 2022.

M.TECH. CSE | AMAZON WEB SERVICE



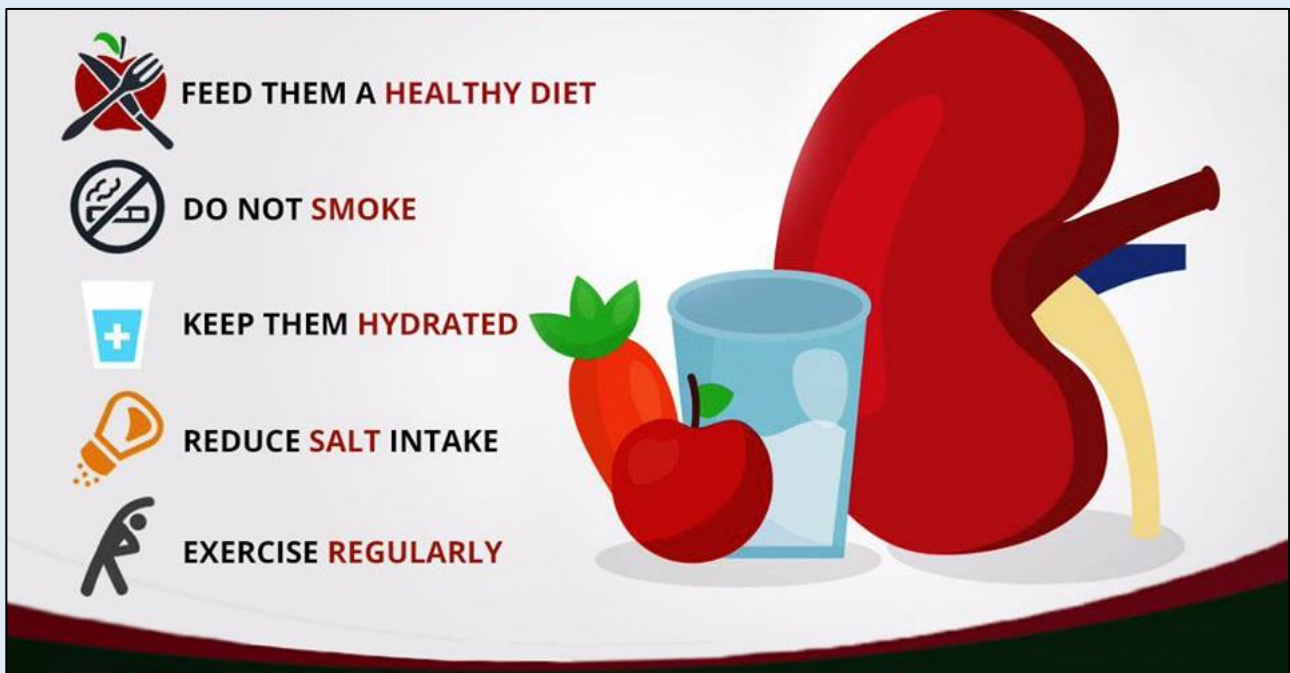
Dr.P.Kavitha Rani, HoD, Dr.D.Prabha, Professor, Dr.A.Pushpalatha, Associate Professor, Mr.G.Pradeep, Mr.S.Sreeraj, and Ms.B.Manohari, Assistant Professors, Department of M.Tech. Computer Science and Engineering have participated in one week Faculty Development Program on “Amazon Web Service” organized by Sri Krishna College of Engineering and Technology in collaboration with Brainovision Solutions India and AICTE from 22th August to 27th August 2022.

CSE | FACULTY CERTIFICATION



Mr.M.Vengateshwaran, Assistant Professor, Department of CSE has participated in the Faculty Development Training Program on “Data Structures” organized by Karpagam College of Engineering, Coimbatore.

HEALTHOGRAPHICS | TIPS FOR KIDNEY HEALTH





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CONFERENCE PRESENTATION



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EEE/MECH/ECE | ANSYS CONFERENCE



Ansys Academic in association with **ARK info solutions Private limited** organized an '**Academic innovation Conference 2022**' at Taj Vivanta Coimbatore on 16.09.2022. The following faculty members from our institution attended the conference.

1. Dr. A.Radhika, Professor/ EEE
2. Dr. P.Vinoth Kumar, Associate Professor/ EEE
3. Dr. K.P.Yuvaraj, Associate Professor/ Mech
4. Dr. Mohana Geetha, Professor/ECE

The Key insights of the conference were:

1. Curriculum and Syllabus Mapping
2. New and Emerging Technology Laboratories
3. Skill Program Initiatives
4. Centre of Excellence

ECE | CONFERENCE PRESENTATION



Ms. K. Priyadharsini and Mr. J. R. Dinesh Kumar Assistant Professor, Department of ECE along with the students, Keerthana S, Pavithra V and Pavithra D have presented a paper titled, **“Machine Learning techniques and Automated Diagnosis of soft Tissue Carcinoma”** in the Fourth International Conference on Inventive Research in Computing Applications (ICIRCA 202) organized by RVS College of Engineering and Technology, Coimbatore, India held on 21-23 September 2022.

ECE | CONFERENCE PRESENTATION

Ms. S. M. Asha Banu Assistant Professor, Department of ECE along with the students Mohamad Faizal M, Niresh Kumar K & Murugananda Sri Sabari Vasani S has presented a paper titled, **“Design of Microstrip Antenna for the Detection of Malignant Tumor”** in Fourth International Conference on Inventive Research in Computing Applications (ICIRCA 202) organized by RVS College of Engineering and Technology, Coimbatore, India held on 21-23 September 2022.



MECH | RESEARCH PROJECTS AT INTER FOUNDRY EXHIBITION



Department of **Mechanical Engineering** exhibited their research projects in the 'International Exhibition and Conference for Ferrous and Non-Ferrous Foundry Industry' held at Codissia, Coimbatore. The faculty team displayed the research projects in the field of Smart foundry, smart poly house, composite materials, welding and shot peening. The research projects received explicit attention from the industry personals.

MECH | RESEARCH PROJECTS AT INTER FOUNDRY EXHIBITION



Third year students from the Department of Mechanical Engineering attended the ‘**International Exhibition and Conference for Ferrous and Non-Ferrous Foundry Industry**’ at Codissia, Coimbatore. Students visited the centers of LMW, Deloitte, FANUC and gained knowledge on recent advancements on the CNC machine centers and robots used in manufacturing.



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ECE | CAMCURVES



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