Volume: 8/22 Issue No.4



www.scadengineering.ac.in

Cheranmadevi | Tirunelveli | Tuticorin | Coimbatore | Chennai

August, 2022



Gold Medal in Kambu Sandai





75th Independence Day Celebration





SCAD College of Engineering and Technology has been Ranked in the Band

"PROMISING"

ARIIA ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS

Out of 14,505 Technical Institutions, SCADCET has been ranked one of the top Institutions in India.



3.5 Star Status by the Ministry of Education, Govt. of India.
For Innovation and Entrepreneurship



Independence Day celebration in a college, is an occasion were students, faculties and staff pay honour to the nation and freedom fighters of India. The day of India's independence is a day of pride, love, and respect to our Nation. Every 15th August is celebrated as India's Independence Day. It is a remarkable day where we honour and respect all our freedom fighters who fought for India's freedom.

On our India's 75th year of Independence on 15th August 2022, Students, faculties and staffs gathered in the morning and participated in the National Flag hoisting ceremony. With due respect towards our nation everyone participated for the National Anthem.

The National flag was hoisted by Professor Petchimuthu, who next delivered the Independence Day speech. Dr. S. Sundararajan, Principal recalled the freedom struggle and addressed the importance and the significance Independence and democracy. The notion "Nation First Always First" was emphasized which was the theme of this 75th Independence. The event ended with a sweet distribution, after the Independence day message.



Admissions
Going on

Join Us!

Department of Computer Science & Engineering Java Programming

The Department of Computer Science & Engineering has organized a Skill Training entitled "Java Programming for 2nd year students from 10.08.2022 to 24.08.2022. The students have acquired deep knowledge about "Installation of JAVA, Operators, Control flow constructs, Defining Methods and its types, passing arguments". Around 71 students have attended the skill training. The training was coordinated by Mr.N.Mohan, Mrs.M.Christina Ranjitham, Mrs.S.Ramalakshmi and Ms.Kousalya, AP/CSE.









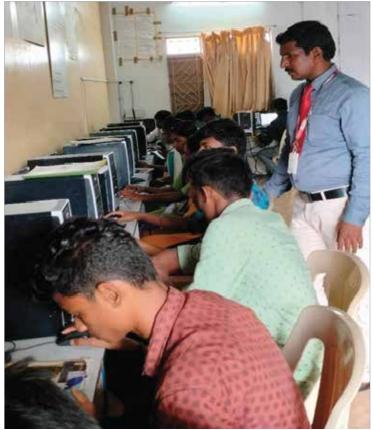




Department of Electrical and Electronics Engineering Embedded C and Arudino Programming

An embedded system is a combination of hardware and software provided that both should be synchronized with each other. Some examples are as follows: industrial machines, automobiles, medical equipment, cameras, household appliances, airplanes, vending machines etc. The Arduino is an open-source computer hardware/ software platform for building digital devices and interactive objects that can sense and control the physical world around them. Through this course havelearned how the Arduino platform works in terms of the physical board and libraries the IDE (Integrated Development and Environment). The course will also programming the Arduino using C code and accessing the pins on the board via the software to control external devices. Around 19 of our II Year EEE Students have attended from 10.08.2022 to 24.08.2022 and learned the Installation procedure in Windows OS, ARDUINO Board and Port selection, Uploading the sketch, Parts of IDE-Tool bar, Sketch window, Message window. The training started with introductory address by Mr.A.Ferminus Raj HOD/EEE. This Training program was conducted by Mr.A.Rajesh AP/EEE.









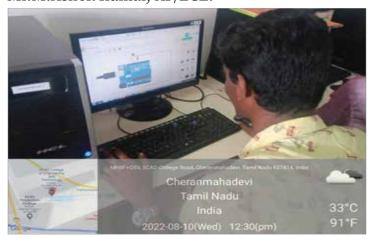


S C A D



Department of Electronics and Communication Engineering Embedded System

On behalf of the department of ECE, Skill training on Embedded System was started from 10.08.2022 to 24.08.2022 for II ECE Students. The purpose of this skill training was to provide industrial oriented from scratch to the students. On day its first-day of skill training, the training was on the following topics: Introduction to Embedded System, Arduino boards and installation of Arduino IDE is provided. 28 Students are benefited from this session. The training session was coordinated by Mr.M.Ashok Kumar, AP/ECE.













"Management's job is to convey leadership's message in a compelling and inspiring way. Not just in meetings, but also by example."

– Jeffrey Gitomer Read



Department of Mechanical Engineering Tolerance, Metrology and process planning

The Department of Mechanical Engineering conducted a mandatory skill Training "Geometric Dimension and Tolerance, Metrology and Process planning" from 10.08.2022 to 24.08.2022. 32 students from Second Year Mechanical department have participate in this Skill Training and have had the benefit of learning about GD&T. The course was conducted by Mr. S. Selva sudhakar AP/Mech. As the outcome of this skill the students completed assessment 1 with a keen knowledge in the Drawing standard, surface finish and Tolerance.















Department of Civil Engineering BIM Modelling

The Department of Civil Engineering organised a skill Training "BIM Modelling" from 29.08.2022. The students have acquired subject knowledge about in building plan and basic of Revit architecture. Students participated in this Skill Training.The course was conducted by Mr.M.Ratheesh AP/CIVIL.





Alumni Interaction

The Department of Civil Engineering organized an Alumni Interaction program on the topic "How to clear staff selection commission Exams" on 22-08-2022. The purpose of this program was to create awareness about state and central government Exams for the domain of Civil Engineering. Moreover, this seminar aimed to bring a forum for the free and fruitful exchange of ideas and information about Government Exams. The guest speakers was Ammathul Sheik Oli M. A. S (2012 to 2016) Senior Surveyor, Geological Survey of India. A Total 40 students have participated. The program was coordinated by Ms. Nisha, AP/Civil.



Applied Lab Robotics & Automation Lab

We are ecstatic to inform that our student from the Department of Electronics and Communication Engineering, Mr.Boopesh Prasadh,Third year had a fanatical participation in World Robotics Championship organized by Technoxion held in New Delhi. We are proud of his outstanding participation.









New policy on start-ups and innovation

Entrepreneurship Development Cell in association with Institution's Innovation Council, Ministry of HRD Initiative, Government of India conducted a Tamil Nadu Start-ups Regional Hub inaugurated in Palayamkottai and Madurai by Chief Minister Stalin through videoconferencing. On behalf of our collage Dr.Gopi Kumar from the department of Civil Engineering participated in this event.The start-up has also launched accelerator programs in Industry 4.0; Commerce Tech/Apps; Agri Tech; Livelihood & Social Impact and Climate Action sectors. This will directly benefit 100 start-ups and the program spans from 3 to 12 months being implemented by Start-up Tamil Nadu along with its expert partners. StartupTN Accelerator is designed to propel growth stage start-ups with a Minimum Viable Product to the next stage through rigorous up skilling, mentoring and access to the right resources. Through EDC StartupTN, it is assured that our students will be benefited by the opportunity of attending internships in the near feature.





Department of Electronics & Communication Engineering

Design Thinking for Innovation

The Entrepreneurship Development Cell of ECE in association with Institution's Innovation Council, Ministry of HRD Initiative, Government of India organized a workshop through Google meet. The theme of Webinar was "Design Thinking for Innovation". The purpose of this webinar is to provide a platform for students from all disciplines to work together, utilize the skill sets of each discipline, think out-of-the-box, and present solution ideas to various open-ended societal problems that we face, every day. The interactive session was presided by the Chief Guest Mr.R.Thirupathieswaran, IIC Innovation Ambassador, who spoke about the importance of creativity and innovation, problem-solving. He further explained about how to set the objective, the action plan to convert the proposed idea into implementation, and finally to come up with a market ready product. Session ends with vote of thanks by Mr.M.Ashok Kumar, AP/ECE. **E-Certificates** were also given to all the participants.





According to IIC plan, our college participated in "Regional Meet, at kochi. In that Meeting our college representative Mr. R. Thirupathieswaran AP/MECH attended the Track one 1 session: Knowledge sharing session on Creation and Sustaining an I&E Ecosystem in HEI: He gained the knowledge about IIC plan and Portal operations.





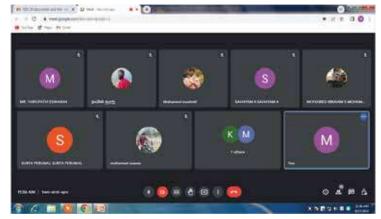




Department of Mechanical Engineering

Angel Investment Funding

As per the EDC schedule the department of Mechanical engineering has organized a "session on Angel Investment Funding Opportunity for Early stage Entrepreneurs. Around 38 participants have registered and attend the one hour program and have gained knowledge about how to become an entrepreneur through the angel investment. The session had many positive feedback form the participants.





Incubator support- start-ups India

According to EDC schedule the department of Mechanical Engineering organized a "session on Incubator support- start-ups India". Around 51 students have registered and attended the one hour program. Through this session the students have gained many ideas about incubator and start-ups support by Tamilnadu government. Moreover the session had positive feedback from the students.



Department of Electrical & Electronics Engineering

Session on innovation / Prototype Validation

The Department of Electrical and Electronics Engineering in association with Entrepreneurship Development cell conducted a prototype validation on 22/08/2022 through Google Meet at 11:00am. Mr.Tirupathieswaran, AP/Mech has lectured on prototype validation, its importance and Innovation Techniques, problems & Solution through EDC. This Program was coordinated by Dr.M.S.Pradeep, AP/EEE.



Role of Incubation Centres

The Department of Electrical Electronics Engineering and Entrepreneurship Development cell conducted a guest lecture on "Role of Incubation Centres in Technical Institutions for Entrepreneurship Development" through Google Meet . Dr.P.Selva Mariammal, Librarian SCADCET has been the resource person who lectured on ideas such as Incubation Meaning, its importance, Technology Business Incubation, its uses, benefits through Library. Around 34 Students have participated in this event. This Program is coordinated by Dr.M.S.Pradeep,AP/EEE.







Department of Computer Science & Engineering

Funding opportunities for Aspiring Entrepreneurs

The department of CSE in association with Institution's Innovation Council, has organized a Session on "Funding opportunities for Aspiring Entrepreneurs" on 23.8.2022. The orientation session was presided by the resource person Ms. Koushalya, Assistant Professor, CSE Department who provided ideas to begin startups, different ways and schemes to get funds for Entrepreneurship from government motivated the participants to come up with flourishing thoughts. The entire session went on well through the interaction between student innovators and the chief guest. This program was coordinated by Mrs. S. Ramalakshmi, AP/CSE.





Lean Start-up and Minimum Viable Product/Business

The department of Computer Science & Engineering in association with Institution's Innovation Council, organized a Session on "Lean Viable Start-up and Minimum Product/ Business". The session was presided Mrs.S. Ramalakshmi, AP/CSE who have give ideas about the advantages of Lean Start-up using MVP to all II Year students. The purpose of this session was to engage the students in innovation and start up activities. Built - Experiment - Learn Feedback Loop cycle was discussed with the students. Around 60 Students have participated in this session. The entire session was interactive, and beneficial to the aspiring entrepreneurs. The program was convened by Mrs. A.Vegi Fernando, HOD/CSE and coordinated by Mrs.S. Ramalakshmi, AP/CSE.







Department of Electronics & Communication Engineering

Orientation Session on National Innovation and Start-up Policy

The Entrepreneurship Development Cell of ECE in association with Institution's Innovation Ministry of HRD Initiative, Government of India organized a Workshop on 25.08.2022 through Google meet from 11.30 AM -12.30 PM. The theme of Webinar was "Orientation Session on National Innovation and Start-up Policy". The purpose of this webinar was to engage the students and faculty in innovation and start up activities in the campus. The interactive session was presided by the Chief guest Dr.S.Gopikumar ,Associate Professor/Civil Engineering, College of Engineering and Technology who presented the National Innovation and Start up Policy in a simple way. He interacted with the students to spread the awareness about the importance of starting their own startups during their academic period. A Total of 30 students and members were benefited by programme. Session ended up with vote of thanks by Mr. M.Ashok Kumar, AP/ECE, Moreover an E- Certificates were provided to all the participants.





Department of Civil Engineering Session on Prototype into Start-Up

The Department of Civil Engineering organized a program a "Session on Prototype into Start-Up" under Entrepreneurship Development cell. The purpose of this program was to create awareness among faculty and students Engineering courses about various facts entrepreneurship as an alternative career option as also to highlight the merits of pursuing such an option. Moreover, this seminar also aimed to bring together the experts from industries, government agencies working in the field of entrepreneurship and students of Engineering in order to provide a forum for the free and fruitful exchange of ideas and information for becoming an entrepreneur. The guest speakers for the session was Dr.S.Gopi Kumar, Associate Professor. The program was co-ordinated by Mr.M.Ratheesh, SM-EDC/CIVIL. A total of 101 students register and 81 students attend the webinar.









Innovation and Intellectual Property Rights

The Department of Civil Engineering organized a program on the topic "Innovation and Intellectual **Property** rights" under Entrepreneurship Development cell on 29-08-2022 from 11.00 AM -12.00 AM. The purpose of this program is to create awareness among faculty and students of engineering courses about various facts of entrepreneurship as an alternative career option also to highlight the merits of pursuing such an option. This seminar aims to bring together the experts from industries, government agencies working in the field of entrepreneurship and students of Engineering in order to provide a forum for the free and fruitful exchange of ideas and information for becoming an entrepreneur. The guest speakers for the session were Mr.C.R.T Surva Prakash, Assistant Professor; SCAD College of

Engineering College. The program was co-ordinated by Mr.M.Ratheesh, SM-EDC/ CIVIL. 52 students attended the webinar and gained the knowledge on Innovation and Intellectual Property Rights.







"A manager is not a person who can do the work better than his men; he is a person who can get his men to do the work better than he can."

-Frederick W. Smith



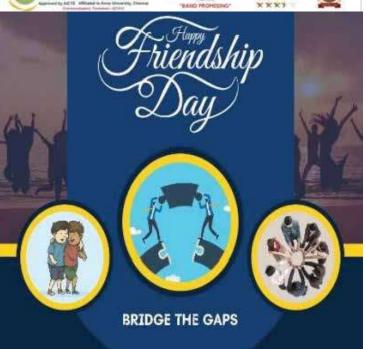


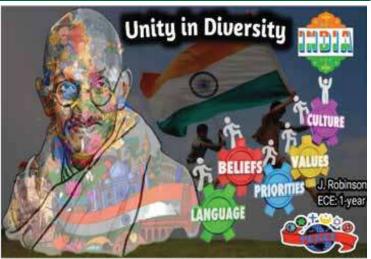
Department of Electronics and Communication Engineering

Engineering International Day of Friendship

International Day of Friendship is observed on 30th July in India to give tribute to Friendship. on behalf of Marketing Club on this occasion the Department of Electronics and Communication Engineering Department conducted a poster designing competition under the topic "bridge the gaps between factors such as race, language and culture" for the students. The event was coordinated by Mr.M.Ashok Kumar AP/ECE. Students those who were interested have participated and submitted their innovative poster and made the event a grand success.









IoT and Raspberry Pi Lab Student



Mr. K.Vijay Vignesh III- ECE







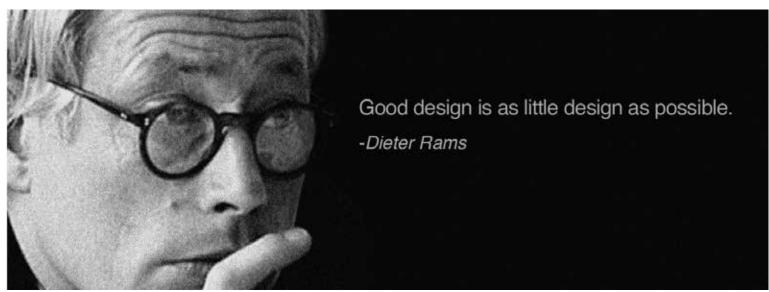
Department of Electronics and Communication Engineering

Alumni Interaction - Cyber security and automation

department of Electronic The and communication engineering has organized an alumni interaction webinar on Cyber security and for **ECE** students. automation Mr.N.Balamurugan, Cyber Security Senior Manager, Prudential PLC, Singapore, an alumni 2006-10 batchhas been the resource person. He interacted with the students through Google Meet. The students have acquire knowledge about the cyber threats and process need to adapt with them. Around 51 students attended the training enthusiastically. The webinar was coordinated by Mrs.D.Yamini, AP/ECE.









Department of Civil Engineering

In plant Training

On behalf of Civil Engineering, In Plant Training was provided to the civil department students as an industrial exposure as well as to develop their career in the high tech industrial requirements. The objective of industrial training was to provide students an experience of workat actual working environment and to gain practical knowledge and skills, which in turn will motivate, develop and build their confidence .Trainers from Multi Design & Construction Companies like Grace Design & Construction, VMP project, Raja construction, sam construction. etc shared their experience with the students.

















Department of Civil Engineering

Online Competition

On the occasion of Kargil Vijay Diwas Day, the marketing club has organized a drawing contest themed "Amazing facts on History of Kargil War" by Marketing Club of Civil Engineering department. Students interested have participated and submitted their innovative drawing. Ms.M.Divya I Year, Civil Department drawing is displayed below. The event was coordinated by Dr.S.Gopi Kumar.

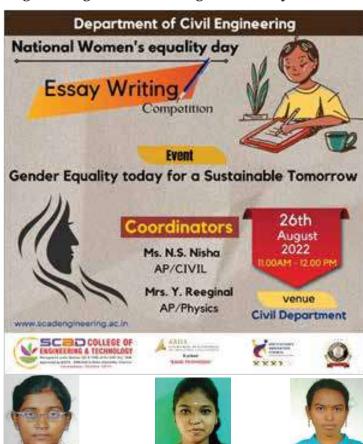




National Women's Equality Day

Keeping in the view the growing crisis of gender inequality, the department of Civil Engineering has emphasized focusing on celebrating National Women's Equality Day. To observe this occasion amongst students an Essay writing contest was conducted by the department of Civil Engineering. 'Gender Equality today for a Sustainable Tomorrow' has been the theme of this

essay contest. A total of 13 girl students from various departments have participated and embellished their pioneering thoughts and ideas on Gender Equality for a sustainable tomorrow. Subsequently the winners for having written best three essays have been selected for the 1st 2nd and 3rd place whom areFathimaferonziya of II EEE 1st Place, R. Swetha of II CSE 2nd Place, and InduraniVigneswari of II Civil 3rd Place, however all the participants will be rewarded with Student Activity Score for their sincere participation. This event was coordinated by Ms. P.S Nisha AP/ Civil Engineering and Mrs.Y.Reeginal AP/ Physics.





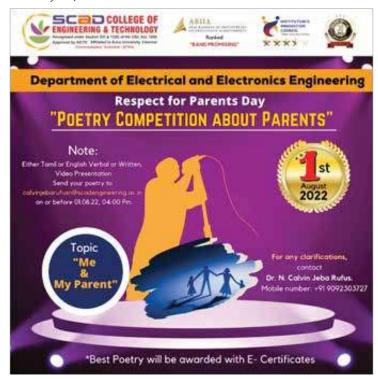


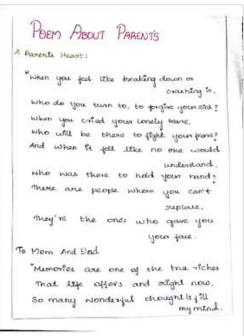


Department of Electrical and Electronics Engineering

Respect for Parents Day - Poetry Competition

Every year on 01st August, Respect for Parents Day is observed across the world. The day gives us an opportunity to express our gratitude and love for our parents by celebrating the day with them.In connection to this, Poetry Competition was organizedwith the theme "Me & My Parent" on 01.08.2022 (Monday) by Electrical and Electronics engineering department. Students participated and submitted poetry with creativity. Dr. N. Calvin Jeba Rufus, AP/EEE coordinated the event.

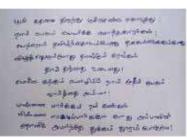




Ms. M. Divya, II Year, Civil

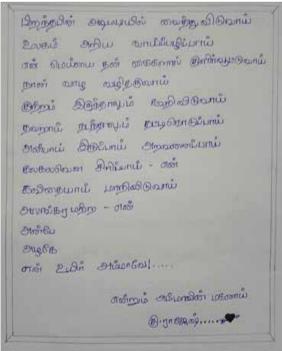


Ms. V.Namakkani IV/EEE



Ms. M.Ponnarasi





Mr. K Rajesh IV/EEE





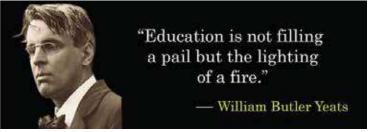
Department of Electrical and Electronics Engineering

Orientation Session Tamil Nadu Start-up & Innovation Policy

The Department of Electrical and Electronics Engineering and on "Orientation Session Tamil Nadu Start-up& Innovation Policy" 22/08/2022 on Google Meet platform at 2.30 PM. Dr.S.Siva Kumar AP/MBA The plans of Tamil Nadu start up policy, action, Technology used in this system discussed in this session. The entire session was informative to the aspiring entrepreneurs. This Program is coordinated by Dr. M. S. Pradeep, AP/EEE.









TCS Placement Fit Training programme

TCS Placement Fit Training programme was conducted at Mechanical Seminar Hall from 20th July to 1st August 2022. 55 Students of final year attended the programme. Mr. Muralidharan of Connect Training Solutions conducted a session on Interview Skills and Verbal ability. This TCS placement fit training was organised by Professor Dr. J. Allwyn Kingsly Gladston.





Books are a uniquely portable magic.

Stephen King





Department of Computer Science & Engineering

Alumni Interaction - Seminar on "UX Design"

On behalf of Computer Science & Engineering an alumni interaction held for III year students.Mr. M. Saravanakumar, our alumni, 2002-2006 Batch B.E-CSE currently a Process Associate (Design and Operations) at ,Synaptris Software Pvt Ltd,Chennai had a talk on "UX Design" with students. The students gained knowledge about designing software modules. The entire session went on well through the interaction between student and resource person. He also promised to arrange Internship & special skill Training to the interested III year Students. This program was coordinated by Mr.P.Petchimuthu, Professor/CSE.







Motivational Talk

behalf of Computer Science & Engineering a motivational talkhas held on 26-08-2022 at 02:30pm - 03:30pm for final year students.Mr. R. John Ponraj, Consultant, Venpa Global Technologies Pvt Ltd, Chennai had an interaction talk with the students. learnt about students HR responsibilities in software industries. motivated and emphasised the students to learn more in C Programming & Python which will help them to succeed in theirinterview skills. This program was coordinated by Mr.P.Petchimuthu, Professor/CSE.





Admissions Going on +91 9942978676, +91 9655667188



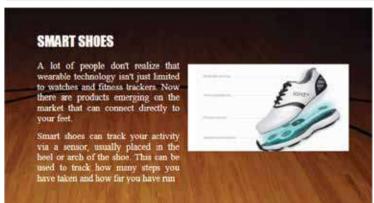


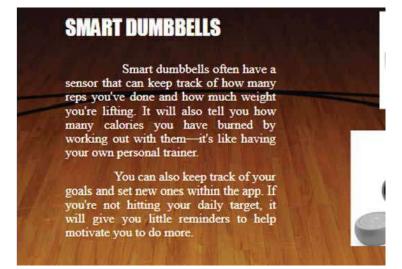
Department of Computer Science & Engineering

National Sports Day

We are celebrating National Sports Day, in the account of "Power point presentation" about Sports Gadgets on 29.08.2022. Interested students participated and expressed their talent. The Event was conducted by Mrs. M. Christina Ranjitham AP/CSE. Many of the students actively participated.



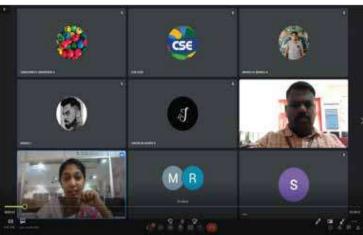




Seminar on "Data Science – Booming Technology"

We are celebrating National Sports Day, in the account of "Power point presentation" about Sports Gadgets on 29.08.2022. Interested students participated and expressed their talent. The Event was conducted by Mrs. M. Christina Ranjitham AP/CSE. Many of the students actively participated.







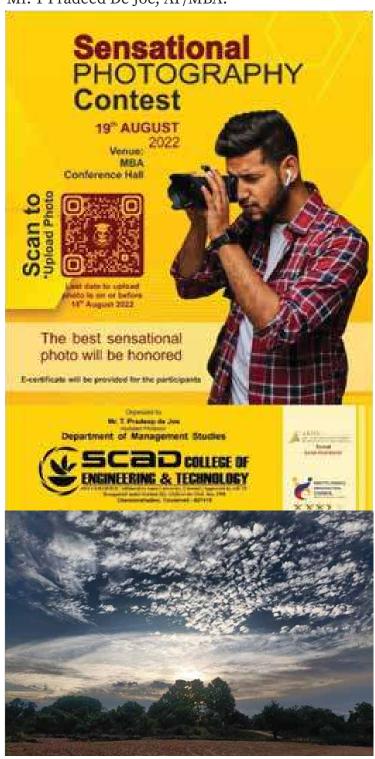


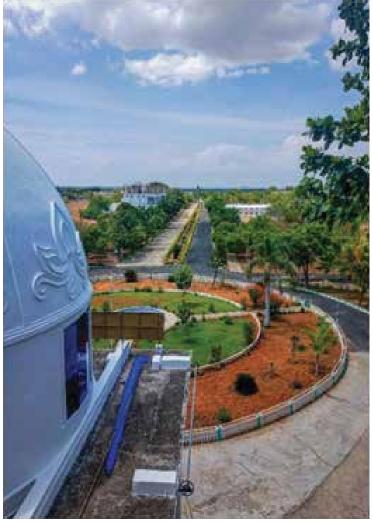


Department of Management Studies

Sensational Photography Contest

World photography day was observed on 24th August, to fete this occasion a photography contest themed 'Sensational Photography' was conducted for the students. Around 23 students from various department have participated in the contest. The best photograph was selected and honored, also an e-certificate was sent to every participant. This program was coordinated by Mr. T Pradeed De Joe, AP/MBA.









"Look deep into nature, and then you will understand everything better."

-Albert Einstein





Department of Mechanical Engineering

International Youth Day – "Transforming Education"

Photo-shoot Competition

The department of mechanical engineering have arranged photographic competitionon 12/08/2022 in the title of "Transforming Education". Some of the students participated in that program. Coordinator Mr. R. Thirupathieswaran Ap/MECH congrats the all participated students and Mr. Mohammed Nathhar IV-B /MECH is winner and Mr.S.Gnana Prakash Robert II/MECH is runner for the competition.



Mr.s.Gnana Prakash Robert II /Mech Mr. Mohammed Nathhar IV-B /Mech









Department of Computer Science & Engineering Patent Published

Congratulations to Mr. S.Ram Prasath, Assistant Professor, Department of Computer Science and Engineering for publishing a patent entitled Invention: "Detecting Botnet Cyber-Attacks in IoT Scenarios using Dynamic Residual Projection of Concept Drift" in the field of Communication. Your Contribution is highly appreciated.



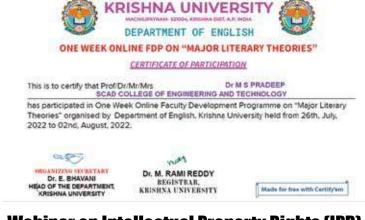
Mr. S. Ram Prasath AP/CSE



Faculty Development Program

This is to certify that Dr.M.S.Pradeep, AP/English has participated in one week online faculty development programme on "Major Literary Theories" Organized by Department of English, Krishna University held from 26th July, 2022 to Aug, 2022.

Dr.M.S.Pradeep, AP/English



Webinar on Intellectual Property Rights (IPR) Awareness Program

On behalf of our college live webinar was conductedon the topic "Intellectual Property Rights Awareness Program". Resource person is Thiru. A Seetharaman. Examiner of Patents, Chennai. The Webinar starts with welcome address at 11.00AM, then the session was handled by our resource person.This program was coordinated Dr.S.Gopikumar Prof / R&D. The total number of participants are 106. The session was interactive and informative to students. This program was organized under the Scheme for IPR Awareness that aims to conduct over 4000 IPR awareness workshops/seminars in academic institutions (schools and colleges) and the industry, including MSMEs and Start-ups, as also IP training and programmes enforcement sensitization for agencies and the judiciary by NIPAM.







National Intellectual Property Awareness Mission (NIPAM) Certificate of Appreciation

In recognition of active participation in the National Intellectual Property Awareness Mission (NIPAM) launched by the Government of India, our college has received certificate of participation for conducting online webinar session on the occasion of 75th anniversary of independence under the banner "Azadi Ka Amrit Mahotsav" for creating widespread awareness on Intellectual Property Rights (IPR) . The IPR Awareness webinar was coordinated by Dr.S.Gopikumar Prof / R&D.



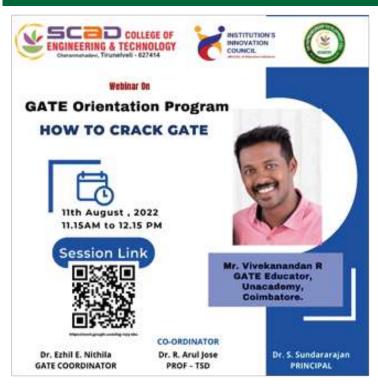
GATE Orientation Program

Webinar **GATE** Orientation on Program-"How to Crack GATE" was organized to enrich the knowledge of all department III year students to get exposure towards the preparation of Aptitude Test in Engineering-2023. The program was started at 11.15 AM on 11-08-22. Vivekanandan, GATE Educator, Unacademy, Coimbatore has been the resource person. In this session the importance of GATE, the opportunities with respect to various Public Sector Units, detailed list of PSU's which accept GATE as mandatory for job as well as even some private player who accept GATE were discussed. GATE secures future by enabling students for number of jobs in Research Centres, Universities and other technical fields. Keeping its results aside the easiest way to crack GATE was also discussed. Around 100 students have had acquired great benefits by atending this Orientation Program. The program was coordinated by all department GATE in charges Mr.M.Ratheesh. AP/Civil. Mrs. M. Ranjitham, AP/CSE, Mr.A. Rajesh, Mr. K. JohnSamuaelRaj, AP/ECE, Mr.S.AshokRaj, AP/Mech and Dr. Ezhil E. Nithila AP/ECE.







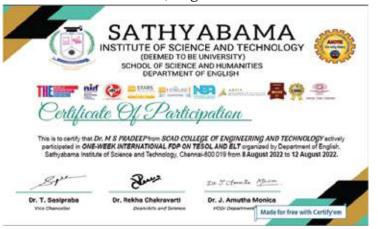


Faculty Development Program

Dr.M.S.Pradeep,AP/English has actively participated in a One- Week International FDP on TESOL & ELT organized by Department of English, Sathyabama Institute of science & Technology, Chennai from 08 August to 12 August 2022.



Dr.M.S.Pradeep, AP/English



Paper Presented

This is to certify that Dr. K. Haribabu, AP/Mech has presented a paper entitled "Design and Analysis of shell and tube condenser in pyrolysis" in the first international conference on advances in Mechanical & Digital Technologies (ICAMDT 2022) organized by Sans now's Nobel Professional Foundation, approved by MSME and Ministry of Corporate Affairs, Government of India.





"Don't take rest after your first victory because if you fail in second, more lips are waiting to say that your first victory was just luck." -A. P. J. Abdul Kalam





PAPER PUBLICATION AT SPRINGER BOOK CHAPTER

Hearty Congratulations to Mr. M.Asirvatham, AP/ECE, Dr. Ezhil E Nithila AP/ECE, Dr. J.Relin Francis Raj, HOD/ECE, who has published a paper titled "A Survey on Design Issues, Challenges and Applications of Terahertz based 6G Communication" in Lecture Notes in Networks and (SPRINGER BOOK SERIES). Contribution is highly appreciated.



Mr. M. Asirvatham AP/ECE



Dr. Fzhil F Nithila AP/ECE



Dr. I Relin Francis Rai HOD/ECE



Intelligent Sustainable Systems on 551-558 | Coc as

A Survey on Design Issues, Challenges, and Applications of Terahertz based 6G Communication

Salvakumar, George E. Mandalai Vilavakumar, Asinosham Masilamani. Sohii S. Nithila, Nirmai Jothi & J. Relin Francis Ra

Conference paper | First Online: 23 August 2022

5 Accesses

Part of the Lecture Notes in Networks and Systems book series (LNNS.volume 458)

Abstract

fifth-generation (SG) wireless technology has grown dramatically in the last few years because of increasing demand of faster data connections with lower latency. At the same time, several researchers believe that 5G will be insufficient in the coming years due to the rapid increase of multiple machine connection. So, beyond the fifth generation (B3G), obviously it will be the sixth generation (6G) in which mobile users demand ultra-high speed in glgabits per second (Gops) for Internet of Everything (IoE). To satisfy such requirements, we need wideband. spectrum for communication. Terainertz (THz) waves are best solution for wideband applications. This paper outlines the advantages, challenges, and applications of teraherts

Keywords



THz band 6G Millimeter waves Wideband

Hearty Congratulations to Mr.R.Santhana Krishnan, AP/ECE who has published a paper titled on "Use of Near-field Communication(NFC) and Fingerprint Technology for Authentication of ATM Transactions" in Lecture Notes in Networks and (SPRINGER BOOK Systems SERIES). Contribution is highly appreciated.



Mr.R.Santhana Krishnan



Intelligent Sustainable Systems op 415-426 | Cite as

Use of Near-field Communication (NFC) and Fingerprint Technology for Authentication of ATM Transactions

K. Renuka, B. P. Janam, K. Lakshmi Narayanan Elli P. Kannan, B. Santhana Krishnan & Y. Haroki Robinson

Conference paper | First Online, 23 August 2022

Part of the <u>Lacture Notes in Networks and Systems</u> book series (LNNS, volume 458)

Abstract

The automated teller machine (ATM) is a handy solution for users to meet their banking needs, However, using a bank card or check card type of card during ATM cash transaction or withdraw has some drawbacks, such as being vulnerable to ATM rigging, card magnetic strips being destroyed, card manufacture and transportation costs, and taking longer to authenticate customers. This study focuses on near-field communication (NFC) card-emulation mode and fingerprint technology as cash card alternatives that can be employed at the user's discretion. NFC requires a very short distance between the two devices (usually less than 4 cm), making it perfect for making transactions requiring important data. To collect user information, a fingerprint sensor can also be utilized instead of an NFC tag and reader. Although cash card is not mandatory for authentication, the system will nonetheless be more secure than the current approach, which uses an ATM card. This ensures high level of security during authentication.

Keywords

Rigging Near-field communication

ATM Card cloning Fingerprint technology Secure authentication OTP

It always seems impossible until it's done.

- Nelson Mandela





PAPER PUBLICATION

Warm greetings, We wish to inform you that ,Dr.K.Haribabu, AP/MECH,and who has published a paper titled "Pyrolysis and kinetic behavior of neem seed biomass using thermogravimetric analysis for the production of renewable fuel" in International Journal of Materials Research with an impact factor of 0.678. Your Contribution is highly appreciated.

Dr.K.Haribabu AP/MECH

DE GRUYTER

INC. J. Mater. Res. 2022; 200

Haribabu Krishnaswamy*, Rajalingam Chelliah, Ramkumar Iyappalam Ramakrishnan, Sivaprakash Muthukrishnan, Bensam Raj Jesuretnam and Karuppasamy Ramar

Pyrolysis and kinetic behavior of neem seed biomass using thermogravimetric analysis for the production of renewable fuel

Pittos: (1404. org.) 20.25.5/frm 2025.8534 Beceived August 9, 2021; accepted Agrit 8, 2022; published online August 29, 2022

Abstract, ilenewable fool is galating more attention in the current energy citiss, and biomass is one of the potential sources of producing mnewable fuel. The objective of the present research is to analyze the psycholis and kinetic behavior of neem seed biomass. Pyrobysis and kinetic behavior of neem seed biomass, Pyrobysis and kinetic behavior of neem seed term analyzed using thermograviment, analysis (ToA) at different bearing rates, etc. 5, 10, 15, and 20 K mm⁻¹. The kinetic study was conducted on the neem seed using visitous kinetic models such as Friedman, Kustinger, Flein-Wall-Orawa (FWO), and Kristinger-Akakitra-Sunose (KAS). Thermodynamic analysis was carried our using the data estimated from the ToA curves. The musks showed that the neem seed degraded in those stuges, stage is <100 °C, tage ill 100 -500 °C, and stage ill: >550 °C, A maximum mass loss of 73,14 % occurred at stage ill swing to the loss of cellulose and bemotehabose. The activative energy determined by Friedman, KAS, and FWO models was 5.11 -18.64, 10.62 -37.41, and 13.77 ·61.53 ki mml⁻¹, respectively, Thermodynamic analysis revealed that the psycholis of neem seed was an endothermic and spontaneous process. Moreover, the

previously reported average activation energy required for the psychytic of various seeds and shells was compared with the present study and concluded that the variation in activation energy of neem seed adherer to the outcomes reported earlier.

Keywords: Kinetic models; Kinetic parameters; Neem seed; Thermal degradation; Thermodynamic parameters; Thermogravimeers; analysis.

1 Introduction

Energy plays a crucial role in day-to-day life and other sectors such as agriculture, transportation, and industry. The exponentially increasing population and the improved birting standards of human beings are the main culprits for consuming more energy, it was stated that the global swirrage per capita energy consumption has increased by 45 % since 1970 [3]. Gurrently, foulf their such as sit, coal, and natural gas meet the majority of the world's energy needs (60 %). This leads to the liberation of greenhouse gases (GRGs), which mush in global warming, adverse climatic change, and air pollution. These problems could be solved by searching for new energy sources.

PAPER PUBLICATION

Dr. K. JeyaKumar, GMD, SCAD Group, Mr. A. Essaki Muthu AP/CSE and Mr.R. Santhana Krishnan AP/ECE presented a paper titled "IoT based smart shoes for blind people" in the 3rd International Conference on Electronics and Sustainable Communication System (ICESC 2022) held at Hindustan Institute of Technology Coimbatore. Your Contribution is highly appreciated.



Dr. K. Jeya Kumar GMD, SCAD GI



Mr. A.Essaki Muthu



Mr.R.Santhana Krishnan



Faculty Development Program

Dr.J.Relin Francis Raj, HOD/ECE has participated in the workshop "Designing and Modelling of IoT, AI & ML Systems" organised by All India Council for Technical Education (AICTE), ATAL Academy, Arm Education and ST Microelectronics.



Dr.J.Relin Francis Raj HOD/ECE



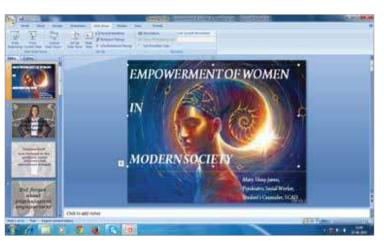
Women Empowerment Cell

Empowerment of Women in Modern Society

Women are the beautiful part of our life. Their empowerment is a biggest power in our family and society. So speaking of women's empowerment, we forgot in psychological aspect. Speaking of psychological side, the mind is biggest asset we have.

In remembrance of Women's Equality Day on 26th August, Women Empowerment Cell organized a seminar titled "Empowerment of Women in modern society" at CSE Seminar Hall. Mrs.J.Mary Shiny, tPSW Student Counsellor, SCAD Campus has been guest speaker of this session. She has ad viced how to empower in every aspect of life for the mindfulness. Around 85 girl students from various department actively participated and gathered information. The event was coordinated Jevasrilakshmi by S. AP-Women Expowerment Cell Coordinator.

















75th Independence Day Rally

Students of our College hold a Tricolor Rally as a Part of 75th Independence Day Celebration. The rally has undoubtedly strengthened the spirit of patriotism and nationalism among the students. "Our national flag has instilled a sense of patriotism, national pride and belongingness among the students. The national unity is very important for the country. The objective of this event was to inculcate the feeling of nationalism among our students.







Independence Day celebration Photos









NSS Activities

Drive Against Drugs (DAD) – Mass Anti-Drug Pledge

As per the TN Governments Principal Secretary's order issued through The Commissioner of Technical Education, The Registers of all Higher Education Department, (D.O.Lr.NO.14 / ADG / Crime /Camp / 2022-5) to organize an anti-drug club drive, a Mass Anti-Drug pledge was organized on 11th Aug 2022, at our college. The Mass anti-Drug pledge was organized in order to create awareness amongst students regarding drug addiction and its ill effects. Around 475 of our 2nd3rdand Final year students along with faculties assembled at the portico premises and have taken the Anti-Drug pledge. The event was preceded by Principal Dr.S. Sundararajan who delivered a welcome note and an introductory speech, later the recitation of pledge in English and Tamil was done by student representatives Miss. PremaLatha and Mr. Narendar of CSE department. As its first day of its initiation the essential objectives and motto of the club were conveyed to the students, students were made aware about the increasing threat of drug addiction in the nation and the importance of having an Anti-drug club in collages. The activities of Anti- drug club to be undertaken in future and there responsibility toward the nation were conveyed to the students. overall coordinated was Mr. JohnSekar the NSS program officer.

Drive Against Drugs Pledge - 2022 Thursday August 2022 Venue SCADCET News.codergreering.oc.in

PLEDGE AGAINST DRUG ABUSE

I am aware of the ill effects of drug abuse and I solemnly promise not to indulge in drug abuse. I also swear my sincere contribution to prevent and advise my family members and friends not to fall into the habit of drug abuse. I assure to fully contribute for the cause of rescuing and guiding the drug abusers to give up drugs.

I will fully stand with the Government in their fight against the usage, consumption and manufacturing of illegal narcotic substances in order to eradicate them from Tamil Nadu. I affirm to contribute with utmost dedication towards the growth of the State and welfare of its people.

போதைப் பழக்கத்திற்கு எதிரான உறுதிமொழி

போதைப் பழக்கத்தால் ஏற்படும் தீய விளைவுகளை நான் முழுமையாக அறிவேன். நான் போதைப் பழக்கத்திற்கு ஆளாகமாட்டேன். மேலும் எனது குடும்பத்தினரையும், நண்பர்களையும் போதைப் பழக்கத்திற்கு ஆளாகாமல் தடுத்து அவர்களுக்கு அறிவுரைகளை வழங்குவேன். போதைப் பழக்கத்திற்குள்ளானவர்களை மீட்டெடுத்து அவர்களை நல்வழிப்படுத்த எனது பங்களிப்பை முழுமையாகத் தருவேன்.

போதைப் பொருட்களின் உற்பத்தி, நுகர்வு, பயன்பாடு ஆகியவற்றிற்கு எதிரான தடுப்பு நடவடிக்கைகளின் மூலம் போதைப் பொருட்களை தமிழ்நாட்டில் வேரறுக்க அரசுக்குத் துணைநிற்பேன். மாநிலத்தின் வளர்ச்சிக்கும் மக்களின் நல்வாழ்விற்கும் நான் அர்ப்பணிப்புடன் பங்காற்றுவேன் என்று உளமார உறுதிகூறுகிறேன்.



"So long as you do not achieve social liberty, whatever freedom is provided by the law is of no avail to you."
- BR Ambedkar.



Sports News

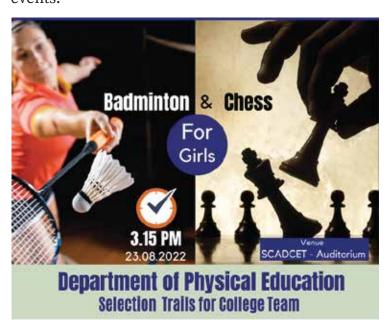
Department of Management Studies Gold Medal - KambuSandai

We are galad that our student Mr. Gowtham from I year MBA have won gold Medal and got selected for State Level Tournament in "Kambu Sandai". This Tournament was organised by Tirunelveli District Amateur Association on 31st, July, 2022. The Management, Principal and HOD appreciated his efforts and wish all success in his future endeavours.



Department of Physical Education

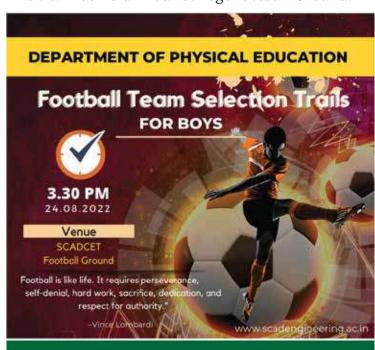
For the Ana University zone- 18 sports & games Tournament, a selection Trails was conducted on 23rd August for the girls Badminton and Chess team at the auditorium. The trail enticed many girls student whom were interested in the events.







Boy interested for joining in football team were called for the Anna University zone-18 Sports & games tournament, selection trial was conducted. The trail has held in our college football Ground.

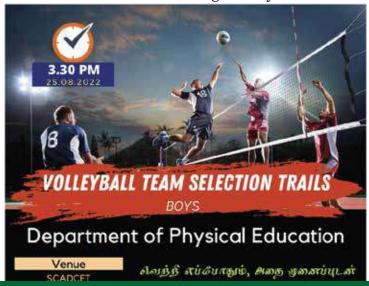


"Nothing is impossible. The word itself says 'I'm possible!" - Audrey Hepburn

Sports News



Boys interested for joining in Volleyball team were called for the Anna University zone-18 Sports & games tournament, selection trial was conducted. The trail has held in our college Volleyball Ground.





Prof. Dr. S. Sundararajan Principal

Dr. A. Ann Rufus, Associate Prof. / EEE Professor Marketing Boys interested for joining in Basketball Team were called for the Anna University zone-18 Sports & games tournament, selection trial was conducted. The trail has held in our college Basketball Ground.







Mr. Prem Chandar, (AP / English)

Ms. P. Grace Events Manger / ERP Admin Mr. R. Sankara Narayanan Designer