

13th - 19th January 2024



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SKCET | BEST VOLUNTEERING COLLEGE AWARD | UYIR CLUB



UYIR Club of SKCET has been honored with the Best Volunteering College **Award** for its outstanding efforts in organizing diverse road safety awareness events. The club was recognized for its active involvement in Diwali traffic regulation in collaboration with the Coimbatore City Police Department. Thiru.V.Balakrishnan, Coimbatore City Police Commissioner, presented the award. The event was graced by **Thiru.M.Rajarajan**, Deputy Commissioner of Police (Traffic) and Mr.K.Balasubramaniyan, UYIR coordinator, who engaged in discussions on road safety projects with UYIR club mentors and trained volunteers. The dedicated volunteers of SKCET's UYIR club were acknowledged for their significant contributions to various road safety programs through the presentation of appreciation certificates.



SKCET | OUTSTANDING ACHIEVEMENT IN INFOSYS SPRINGBOARD PLATFORM







SKCET has achieved stupendous success in the Infosys Springboard Platform. SKCET has grabbed the exclusive prize No.1 in Tamil Nadu for excelling in certifications, particularly in niche skills and technologies. SKCET has secured the top position in several key categories, including the **Number** of Registered Users, Total Certifications Completed and Total Courses **Completed** in the Infosys Springboard Platform. The dedicated team of SPoCs, Dr. Jayasudha Subburaj, Dean Placement and Dr. K. Sasi Kala Rani, HOD, CSE, have also been recognized as the Best SPoCs of the month.











The festive spirit of Pongal was brought to life at SKCET through a grand and traditional celebration. The surroundings were adorned with a lively display of Rangoli, creating a vibrant atmosphere filled with joy and jubilation. Pongal, the traditional dish, was lovingly prepared in classic mud pots, accompanied by a variety of religious customs. The sweet delicacy of Pongal was savored and enjoyed by all, adding to the overall delight of the celebration.





The campus was adorned with vivid hues of Rangoli, showcasing creativity and intricate design.





The champions of this joyous celebration were honored and commended by our esteemed Principal Madam.









The celebration at SKCET symbolized a genuine reflection of our rich culture and the spirit of inclusivity, marking the commencement of a Prosperous Season 2024. A special ramp walk featuring young students added a unique touch to the auspicious occasion of Pongal.

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Students of **SKCET** performed Silambam, the traditional art of Tamilnadu.







The stage was illuminated by the talented dancers of SKCET, infusing rhythmic beats that added an extra layer of vibrancy to the Pongal festivities.







The lively vibes and energetic beats filled SKCET with a vibrant and joyful atmosphere.





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M.TECH CSE | RAJASTHAN POLICE **HACKATHON**



TECHMEDOK Third year student team of **M.Tech CSE** has demonstrated exceptional innovation and problem-solving skills, setting them apart from the competitors at Rajasthan Hackathon 2024 and has secured First place in overall category with a cash award of Rs.2.5 Lakhs. The team was felicitated by Shri Kalraj Mishra, Hon'ble Governor Rajasthan, C M Shri Bhajan Lal Sharma, Hon'ble Chief Minister Rajasthan and Rajayavardhan Singh **Rathore**, Hon'ble Minister Govt. of Rajasthan.

Problem Statement: Dark Web Monitoring- Making a tool for Dark Web monitoring, offering easy-to-use interface, secure browsing, versatile data collection, advanced data filtering and effective tracking mechanisms.

Team Members: Nithish Kumar R J, Sanjay S P, Nikitha C B, Hare Preya P S







MCT | ALL INDIA UNIVERSITY GAMES



J.Bharanidharan, student of Third year MCT has earned the privilege of representing SKCET in the upcoming All India University Games. This prestigious event is scheduled to take place in Bhopal, Madhya Pradesh, spanning from 15th to 19th January 2024.

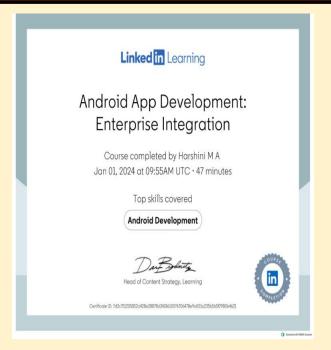




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CSBS | LINKEDIN CERTIFICATION









Harshini M A, student of First year Computer Science and Business Systems, has successfully completed online course on "Software Testing Foundations", "The Three Pillars of Effective Communication", "Android App Development", "Git from Scratch" powered by Linkedin Learning.



IT | INFOSYS CERTIFICATION





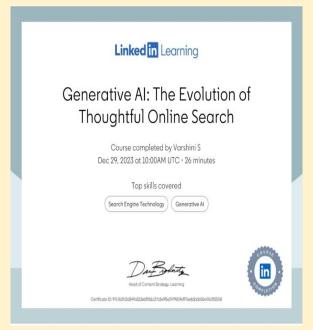




Kartheeswaran N S, Akilan R, Aman P S, Harini P, students of First year IT have completed a course on "C++ Fundamentals" certified by Infosys Springboard.



CSBS | LINKEDIN CERTIFICATION









Varshini S and Priyadharshika L T, student of First year Computer Science and Business Systems, has successfully completed the online Course on "Introduction to Artificial Intelligence", "Generative Al", "Git from Scratch" and "UX Design" powered by Linkedin Learning.



CSY | LINKEDIN CERTIFICATION



Introduction to Kali Linux for Penetration Testing and Ethical Hacking

> Course completed by CHAMRESH C Jan 14, 2024 at 05:27AM UTC • 1 hour 43 minutes

> > Top skills covered









Chamresh C, student of First year CSE (Cyber Security), has successfully completed the online Course on "Introduction to kali Linux for Penetration Testing and Ethical Hacking" powered by Linkedin Learning.

CSBS | LINKEDIN CERTIFICATION

Raveena R, student of First year

Computer Science and

Business Systems, has

completed successfully the

online Course on

"C **Programming** Basics"

powered by Linkedin Learning



C Programming Basics: Flow Control, Variables, and Pointers

> Course completed by Raveena R Dec 29, 2023 at 03:58AM UTC · 3 hours 17 minutes

> > Top skills covered

C (Programming Language)







CSBS | LINKEDIN CERTIFICATION



Madhavan N, student of First year Computer Science and **Business** Systems, has successfully completed the online Course on "Learning Python" powered by Linkedin Learning.

CSBS | STUDENTS CERTIFICATION

Mohana Menatchi V K, student of First year Computer Science and Business Systems, has successfully attended a 2-day **Placement Preparation** Programme on January 6th & 7th 2024 organized IIP by association with Abhyuday IIT, Bombay.



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CSBS | LINKEDIN CERTIFICATION



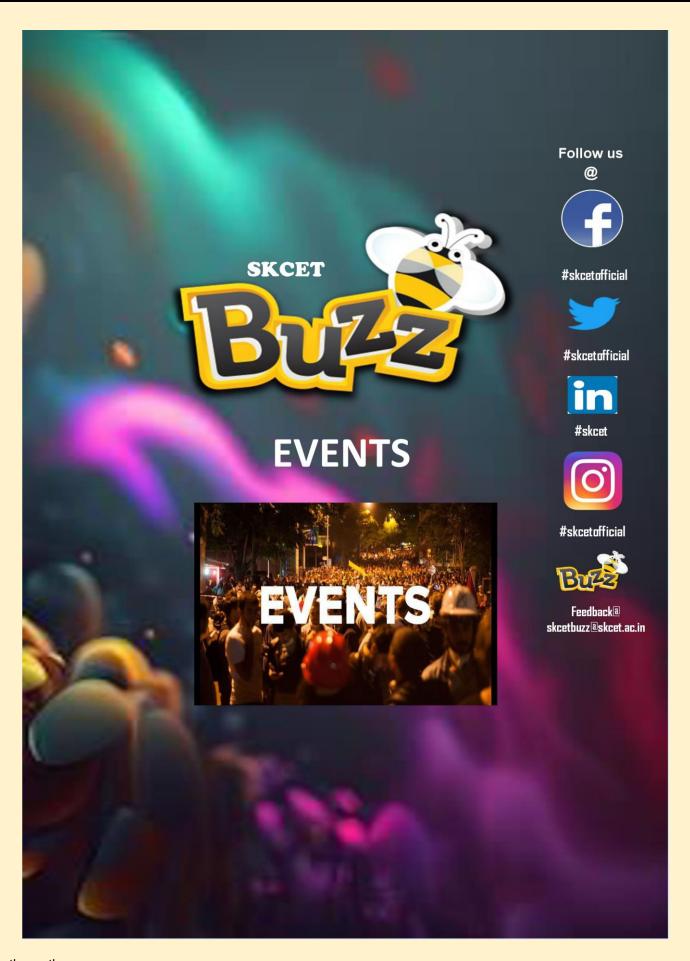






Sam Nithyanand, student of First year Computer Science and Business Systems, has successfully completed the online Course on "Professional Networking", "What is Program Management", "Accounting Ethics" and "Excel: Power Pivot for Beginners" powered by Linkedin Learning.





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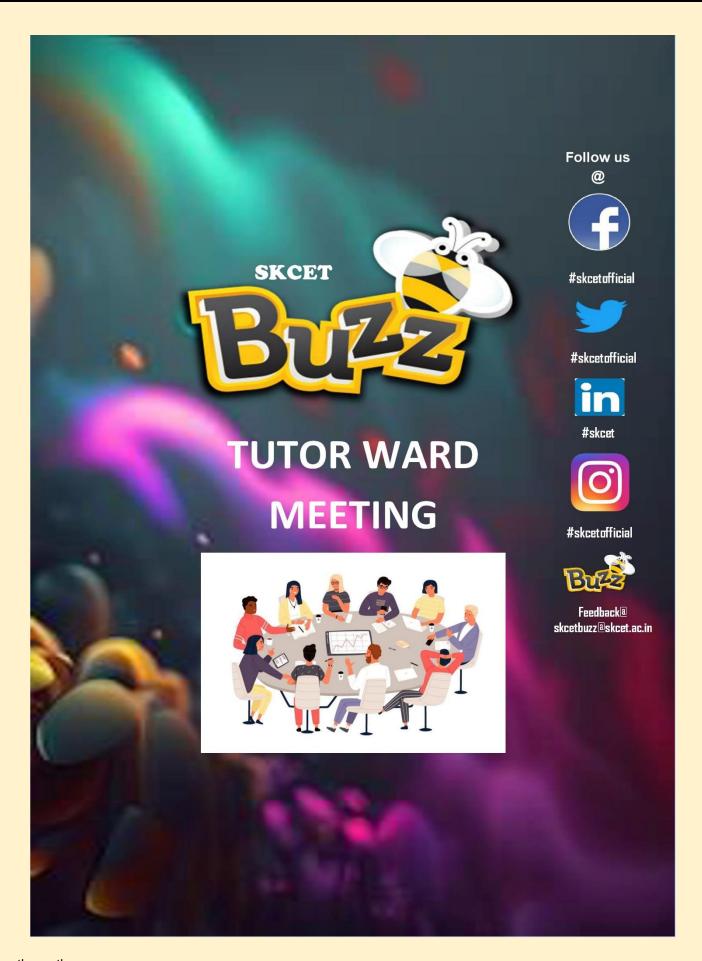


MCT | CDC MEETING



of **Mechatronics Engineering** conducted Curriculum Department Development Cell (CDC) Meeting on 13.01.2024. Dr. M. Lydia, HoD, MCT, convened the meeting in preparation for the 16th Board of Studies (BoS) session, focusing on formulating the syllabus for students admitted under the regulations of 2023. The meeting witnessed active participation from all faculty members who engaged enthusiastically in the brainstorming session.





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CSBS | CLASS COMMITTEE MEETING





Department of Computer Science and Business Systems conducted Second Class Committee Meeting for the Second year students on 04.01.2024. **Dr. Indra priyadharshini,** Professor, **MCT** chaired the meeting. The pointers of discussion were: NPTEL course completion status, assignments and practical records, Importance of Continuous Internal Assessment 2, exam readiness and the significance of Continuous Internal Assessment 2.



CSY | CLASS COMMITTEE MEETING



Department of CSE (Cyber Security) conducted Second Class Committee **Meeting** for the First-year students on 04.01.2024. **Dr. P. Vinoth Kumar**, Associate Professor, Department of Electrical and Electronics Engineering chaired the meeting. The pointers of discussion were Completion of all assignments and practical records, NPTEL courses, importance of Continuous Internal Assessment 2, Maintaining attendance and the benefits of internal scores for gaining good CGPA and Hackathon participation.





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PLACEMENT | TESTIMONIAL BY PLACED **STUDENTS**

Sri Krishna College of Engineering and Technology serves as a hub for learning, enjoyment, cultural richness, and various life-enriching activities. My time at SKCET has significantly contributed to my personal growth, providing me with the chance to connect with diverse individuals and acquire a wealth of knowledge. The unwavering support from the faculty and placement office has been instrumental in my journey.

I express my gratitude to the Training & Placement cell for furnishing a platform to hone my skills and showcase them effectively. The relentless efforts of the faculty and placement cell played a pivotal role in securing a position in a highly esteemed company that I aspired to join. Their continuous guidance not only assisted in my overall development but also enhanced my technical knowledge.

I will forever be thankful for the invaluable practical learning experience provided by SKCET, preparing me for the challenges of corporate life. The rigorous training imparted by the professors and department staff has been crucial in securing a coveted position at Musigma Private Limited. SKCET holds a special place in my heart as the most significant chapter of my life, and I deeply appreciate the unwavering support and dedication from the management and my department, Electrical and Electronics Engineering (EEE).

> HARRISH V **EEE (2024 BATCH) MUSIGMA PVT LTD**









R&D | PAPER PUBLICATION | ECE

Handover Policies in Wireless Communication Systems **Based on MDP**

N. M. Mothesvar^{1, a)} and V. Nandalal^{2, b)}

^{1,2}Sri Krishna College of Engineering Technology, Kuniamuthur, Coimbatore – 641008, India.

a) Corresponding author: 20epcm001@skeet.ac.in
b) nandalal@skeet.ac.in

Orthogonal frequency division multiple access (OFDMA) has replaced CDMA in cellular communications (CDMA). New wireless generations will deliver high data rate and extended coverage to fulfil customer requirements. Next-generation wireless communication systems are limited by the amount of frequency channels available [1]. Relay transmission employs many relay nodes to send data between a source and a recipient. Relay transmission might bost spectral efficiency and coverage area, hence it's being researched for next-generation wireless networks. IEEE 802.11 and 802.16 Task Groups are standardizing relay communication systems [2].

Cover and El Gamal studied van der Meulen's wireless relay transmission in der land studied van der Meulen's wireless relay transmission in faces for wireless relay transmission so far. Capacity diversity, outage performance, network coding, and power allocation are all important considerations. Handover promotes smooth mobility in wireless relay systems [5]. A handover happers in traditional cellular networks when a MS switches between cells or sectors. Relay stations in cellular networks provide additional handover options.

An intelligent radio frequency transcever, or "cognitive radio" [6-7], can determine whether a certain frequency range is free to be used for communication. Cognitive radio permits fast switching between utilizing and not using momentarily available spectrum to prevent interfering with other authorized users. Secondary users may use cognitive radio to find fice spectrum, choose the best channel, coordinate spectrum access with bother users, and leave a channel important to device strategies for exploiting diel aritime. For this reason, cognitive radio systems want to achieve [8]. Wireless communications with large data rates are difficult to obtain, however multihop relaying is a potential solution. Techniques such as AF and DF have been developed. Cooperative diversity algorithms [9-11] have been cereated as a result of these seminal articles. Depending on the

cernational Conference on Immunitions in Robotics, Intelligent Automation and Conf. AIP Conf. Proc. 2914, 050012-1-050012-5; https://doi.org/10.1063/5.0176558 Published by AIP Publishing, 978-0-7354-4770-7350.00

Dr.V.Nandalal, Professor. Department of **ECE** has presented and published a conference paper "Handover **Policies** titled **Wireless Communication Systems** Based on MDP" in the International Conference on **Innovations** in Robotics, Intelligent Automation and Control. It is a Scopus Indexed Conference.

R&D | PAPER PUBLICATION | CIVIL

Dr. M. R. Ezhilkumar. Assistant Department Professor. of **Engineering**, has published research article titled "Accounting of Carbon Footprint and Energy Consumption of Nile University in Nigeria: A detailed and Systematic Approach" in IEEE Xplore. It is indexed in Scopus with an impact factor of 6.3.





R&D | BOOK PUBLICATION | ECE



Dr. Т. Joby Associate Titus, Professor, Department of ECE has entitled published book 'Augmented and Virtual Reality' under Lambert Academic Publishing, ISBN: 978-620-7-44948-4.

R&D | PAPER PUBLICATION | ECE

Dr.V.Nandalal, Professor, Department of **ECE** presented and published his conference paper titled "Smart System for Women Safety in Cyberspace by Fake Profile **Detection**" in the International Conference on Innovations in Robotics, Intelligent Automation and Control. It is a Scopus Indexed Conference.

Smart System for Women Safety in Cyberspace by Fake **Profile Detection**

V. Nandalal^{1, a)}, V. Anand Kumar^{2, b)}, A. Sujitha^{1, c)}, G. Sumitha^{1, d)} and A. S. Sureka1.

¹Department of Electronics and Communication Engineering, Sri Krishna College of Engineering and Technology, Coimbatore, India partment of Electronics and Communication Engineering, Sri Estwar College of Engineering, Coimbatore, India

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INTRODUCTION

In this day and age, the virtual entertainment stages are being utilized on regular routine and has turned into a significant piece of our lives. These entertaining platforms have made people victim to cyber-attacks and it is worst in the case of women social media users. Many cyber criminals try to defame a woman by insusing her personal details and the image that are shared by her in these social platforms. They create fake profiles in the name of user. It is a time-consuming process to check manually the presence of a fake profile in the name of user. The system proposed in this paper detects the fake profile that has been created in the name of user. Table I gives the details of profile usage.

Table I Usase of profile

USAGE OF PROFILE DETAILS	USAGE OF PROFILE PICTURE	ACCOUNT
YES	NO	YES
NO	YES	YES
YES	YES	YES
NO	NO	NO

Adikari et al. [1] has developed a method to find fake profiles in linkedIn platform. They predict the fake rofiles based on accuracy. For each analysis two types of accuracies are calculated. In order to calculate the accuracy they find the number of fake profiles identified as legitimate profiles and number of legitimate profiles dentified as fake profiles. They have used methods like Neural Networks, Weighted average and Support

cetor Machines.

Samala Durga Prasad Reddy [2] in his paper has established a way to find fake profiles in social platforms ing Machine learning. In his work the data which needs to be tested is passed on into a classifier which is fed ick with results making it more accurate. Initially the classifier may not be completely accurate but as the

national Conference on Innovations in Robotics, Intelligent Automation and Co AIP Conf. Proc. 2914, 030012-1-030012-7; https://doi.org/10.1063/5.0175998 Published by AIP Publishing. 978-0-7354-4770-7/530.00









R&D | DESIGN PATENT GRANT | MECH



Patent titled 'Intelligent Tea Leaves

Disease Detecting Device' filed by

K.P. Dr. Yuvarai Associate

Professor, **MECH**, has been awarded

a Design Patent by the Patent Office,

Government of the UK.

R&D | DESIGN PATENT GRANT | CSE

Patent titled "Agriculture Robot for

Pesticides Spraying" filed by Ms.

Azhaguramyaa V R, Assistant

Professor, CSE has received a

by Certificate of patent grant

Registration for UK Design,

Design Number: 6333919, on 19th

December 2023.



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ECE | NITTT CERTIFICATION

Dr.S M Asha Banu. Assistant Professor, Department of **ECE** has successfully completed Eight Module Course on "National for Initiative **Technical Teachers** Training" organized AICTE.



ECE | FACULTY DEVELOPMENT **PROGRAMME**



Dr. T. Joby Titus, Associate Professor, Department of ECE has attended one week Faculty Development Program on "Antenna Design for Next Generation Wireless 4th Communications" from December to 8th December 2023, organized by Vellore Institute of Technology.

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ECE | NPTEL CERTIFICATION

Dr.S M Asha Banu. Assistant Professor, of **ECE** has Department appreciation received certificate for her role as mentor for the NPTEL Online Certificate Course on "Stress Management".



HEALTHOGRAPHICS



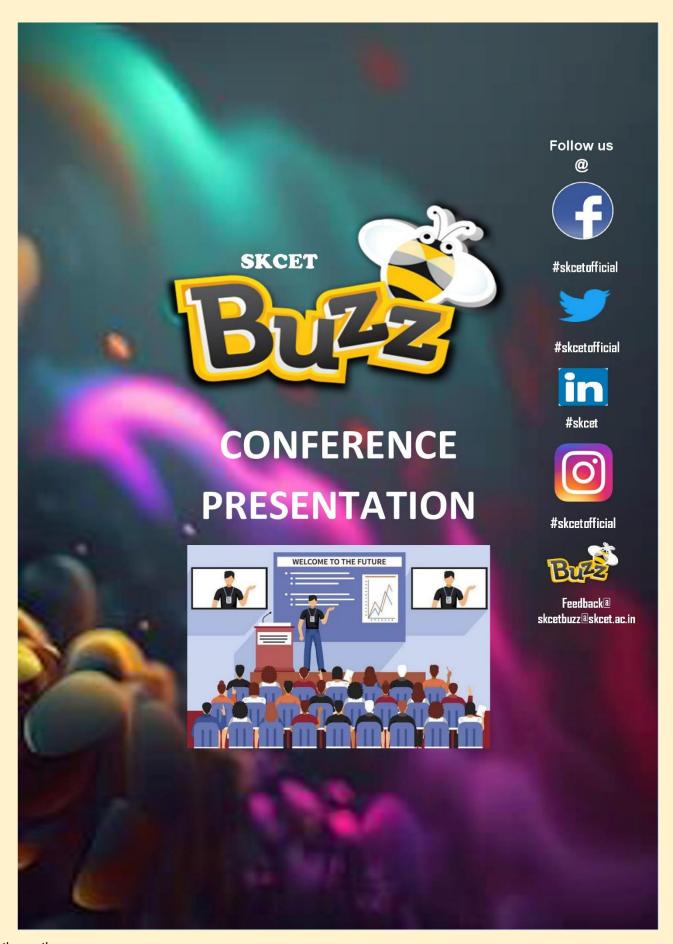
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CIVIL | CONFERENCE PRESENTATION



Dr. D. Maruthachalam, Dean, Civil Engineering and Infrastructure has presented a paper entitled "Machine **Techniques** Learning **Estimating Compressive Strength** of High-Performance Concrete - A Comparative Study" in the 2023 Fifth International Conference on Recent Advances in Materials and Manufacturing (ICRAMM 2023) organised by the Department of Mechanical Engineering, Velalar College of Engineering and Technology, Erode held during 29th and 30th December 2023.

S&H | CONFERENCE PARTICIPATION

Ms. Revathy P, Assistant Professor, Department of Science and participated **Humanities** the "International Conference on **Theoretical** and Computational Graph Theory - ICTGCT 2024" held at Vellalar College for Women, Erode from 10.01.2024 to 12.01.2024



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EEE | ALUMNI RECOGNITION



SKCET ICON AWARD &

Office Bearer - Coimbatore Chapter

Mr. Akshay V (2013-2017 Batch) Founder, Edzola, Coimbatore.



OUTSTANDING CONTRIBUTOR AWARD

Mr.K.M.Keerthi Raajan (2018-2022 Batch) Software Architect, **ZOHO** Corporation, Chennai



OUTSTANDING CONTRIBUTOR AWARD

Ms.K.G.Shametha (2019-2023 Batch) Software Engineer, J P MORGAN CHASE & CO, Bengaluru.

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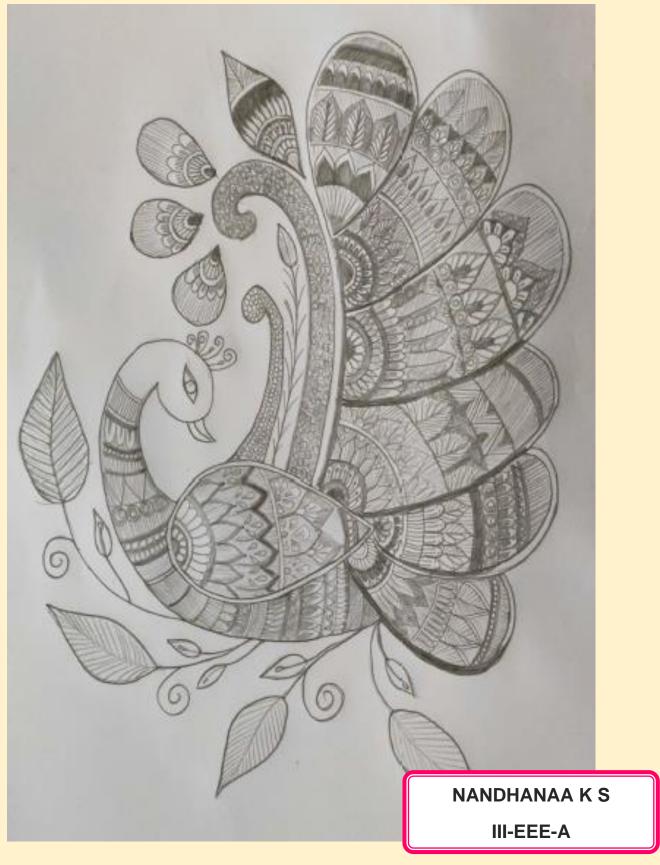




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EEE | CREATIVE CORNER



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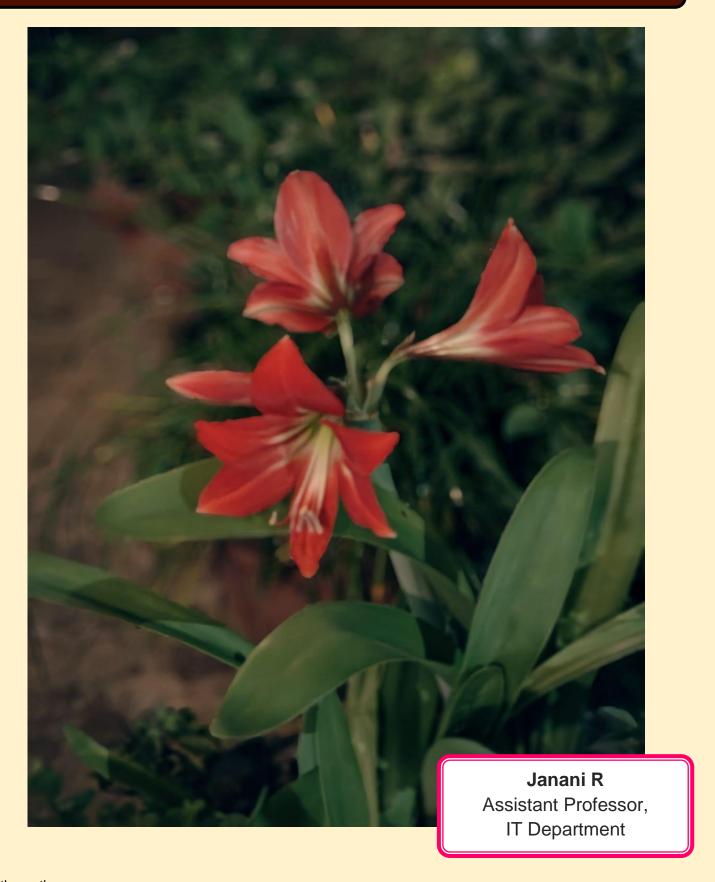
IT | CREATIVE CORNER



Janani R Assistant Professor, IT Department



IT | CREATIVE CORNER



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SKCET IN MEDIA

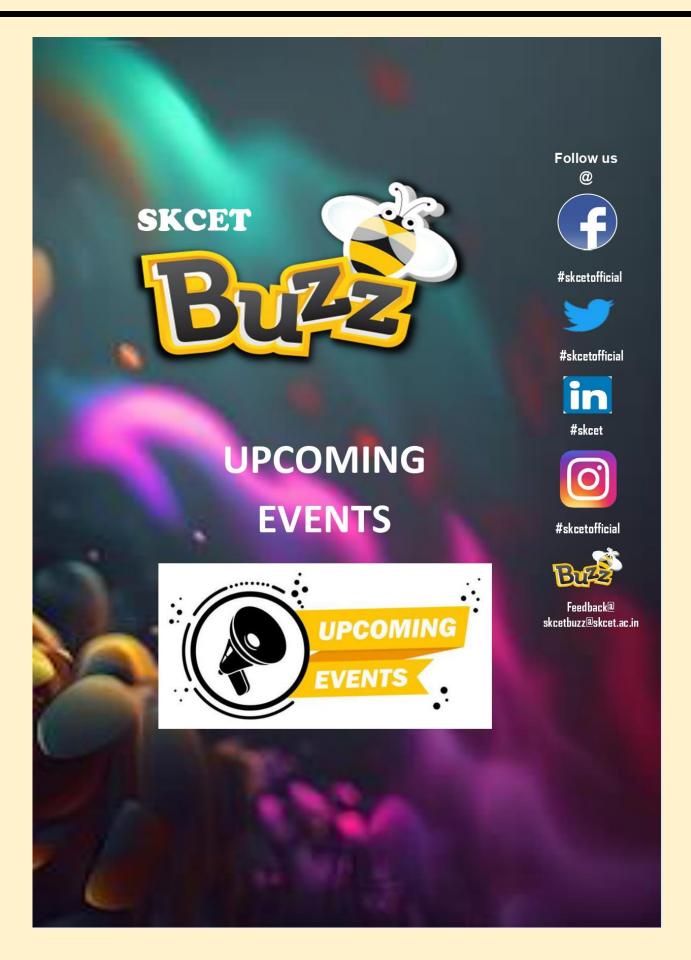


Commissioner gave away the Mementoes and certificates of appreciation. Rajarajan, Deputy Commissioner-Traffic and A. Sitrarasu, Additional Deputy Commissioner - Traffic, Coimbatore City also participated in this event.

At the sidelines of the program, the Police officials gave an orientation to the students and staff about the UYIR Kutty Cops Project, and sought their support to take this awareness to larger number of schools.







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MCT | UPCOMING EVENT



SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY



An Autonomous Institution, Affiliated to Anna University, Chennai Kuniamuthur, Coimbatore -641008







DEPARTMENT OF MECHATRONICS ENGINEERING

In association with

KYUNGPOOK NATIONAL UNIVERSITY SOUTH KOREA

organizes

SECOND INTERNATIONAL CONFERENCE ON INNOVATIONS IN ROBOTICS, INTELLIGENT AUTOMATION AND CONTROL

(ICIRIAC 2024)

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CONFERENCE DATE

28.02.2024

Send Papers to iciriac24@gmail.com

All presented papers will be published in Scopus indexed AIP **Conference Proceedings**

WWW.ICIRIAC.COM

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