SKCET Buzz

30th November - 6th December 2024

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Happy Reading!

VISION

To Produce Globally Competitive Engineers with High Ethical Values and Social Responsibilities.

MISSION

- To impart the highest quality state-of-the-art technical education by providing impetus to innovation, research, and development and empowering students with entrepreneurship skills.
- To instill ethical values, imbibe a sense of social responsibility, and strive for societal well-being.
- To identify the needs of society and offer sustainable solutions through outreach programs.

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INSTITUTIONAL EVENTS

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EEE | IEEE - INFOSYS TECHZOOKA HACKATHON

EEE | IEEE - INFOSYS TECHZOOKA HACKATHON

Student team from the Department of **EEE** has been declared as **Winners** in the prestigious **Infosys Techzooka Hackathon 2024,** organized by **IEEE Madras Section and Infosys.** The team was invited to participate in the **Innovation Summit** held at **Infosys - SVB Tech Park, Coimbatore** on 28.11.2024. Winners from various esteemed Engineering Institutions were part of this prestigious event.
Our Principal **Dr. K. Porkumaran** graced the occasion as the **Chief Guest** and delivered a captivating address on the following key themes:

- Infusion of AI and Generative AI to enhance productivity, create value and develop disruptive business models.
- A focus on engineering excellence, shifting from projects to product and platform-oriented approaches.
- Key principles shaping the digital operating model in today's technology-driven landscape.

Winning Team Members:
1.Sriram Arasu T - III EEE B
2.Sharmila L - III EEE B
3.Shreyas V - III EEE B

Faculty Mentor:
Dr. S. Sivaranjani, Professor/EEE

Project Title: Developing Writing Pen and Writing Pad for Children with Specific Learning Disabilities
This summit showcased the **seamless integration of innovation, technology and leadership,** paving way for a future-ready engineering ecosystem.

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EEE | END SEMESTER EXAMINATION ORIENTATION

Orientation program was conducted for First Year EEE A and B section students by **Dr. N. Susila, Controller of Examinations** and **Dr. K.C. Ramya, Professor and Head,** EEE on 02.12.2024. The session aimed to guide students in effective preparation for the end-semester examinations.

Key topics discussed:

1. Importance of GPA and academic performance.
2. Strategies for preparation and time management.
3. Tips for overcoming exam fear and staying focused.
4. Utilizing resources like GCR, Library, NPTEL and previous question papers.
5. Importance of revision and faculty mentoring.
6. Examination rules, regulations and consequences of malpractice.

ECE | DEPARTMENT ADVISORY BOARD MEETING

The Department of **ECE** has conducted the **Department Advisory Board** Meeting on **02.12.2024** between **1.00 pm to 2.00 pm** in online mode to discuss about the Academic performance of 2024-25 ODD semester and to incorporate the suggestions in the upcoming 2024-25 Even semester. In this meeting, Highlights of the Department, Best Practices, Curriculum and syllabus, Result Analysis, Target Attainment, Students Internship and Placement etc. have been discussed. The meeting was chaired by **Dr.S.Sasi Priya**, Professor and Head, **ECE**, SCKET and coordinated by Dr.J.Rejina Parvin, Associate Professor, ECE, SKCET. Suggestions and inputs were given by the Academic Expert, Dr. B. Gopinath, Associate Professor, Kumaraguru College of Technology, Coimbatore, Industry expert Dr.Vimalathithan Rathinasabapathy, CEO, Krish Tec, Coimbatore, Mr.Prasanth Rosario, Senior Data Engineer, Presidio, Coimbatore, Alumni Representative. Valuable feedbacks by the External Special Representatives Dr Sivaranjani S, Professor – EEE & Dr. Bhuvaneshwari, Assistant Professor- MCT. In the meeting Student Representatives Department Domain experts also gave their valuable feedbacks.

EEE | PROGRAM ASSESSMENT COMMITTEE MEETING

Department of **EEE** has conducted its **Program Assessment Committee (PAC) Meeting** for the academic year 2024-25 on 21.11.2024 in EEE Conference Hall. The meeting aimed to evaluate the academic outcomes of the Odd Semester and plan enhancements for the upcoming Even Semester.

Key Discussions and Outcomes:

1. Reviewed academic performance and attainment levels.
2. Discussed curriculum updates and faculty development plans.
3. Evaluated innovative electives, lab enhancements, and research activities.
4. Highlighted student achievements in projects, hackathons, and placements.
5. Explored new Industry collaborations and International programs.

The meeting concluded with strategies to enhance academic excellence and innovation in the department. The PAC Chair **Dr.K.C.Ramya, Professor & Head** expressed her gratitude to all the members for their active participation and valuable contributions.

CIVIL| DEPARTMENT ADVISORY BOARD MEETING

Department Advisory Board (DAB) meeting for **Civil Engineering** Department was convened on December 02, 2024.

The session witnessed active participation from esteemed members:

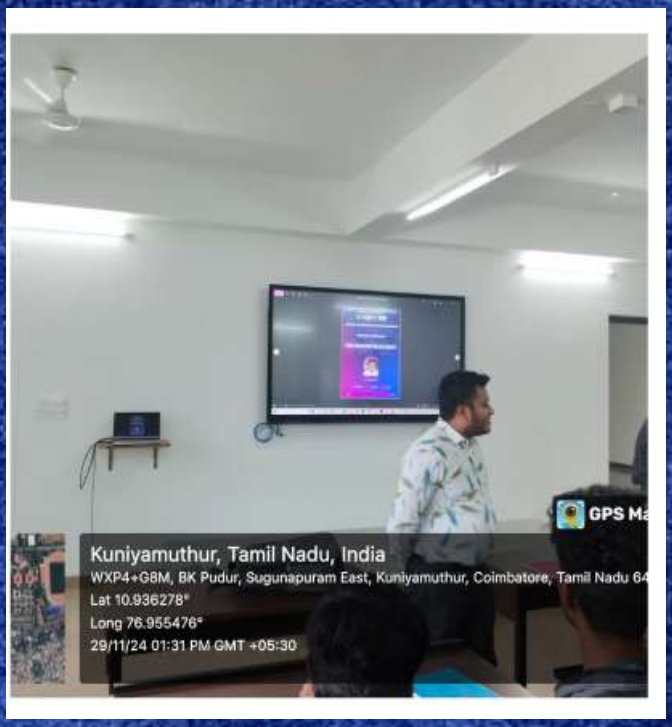
- Er. Kanna Chokalingam and Er. R. Sathish Kumar, Industrial Experts
- Dr. M. Rama, Academic Expert
- Dr. P. Ashoka Varthanan, External Special Representative and Dean – Innovation
- Er. K. Saravana Kumar, Parent Representative,
- Alumni Members and Students.

The meeting commenced with a welcome address by the Head of the Department, followed by a review of departmental progress and initiatives. Key agenda items included curriculum updates aligned with industry standards, strengthening industry-academic collaboration, and enhancing experiential learning through internships and projects.

CIVIL| PROGRAMME ASSESSMENT COMMITTEE MEETING

Department of **Civil Engineering** conducted the Programme Assessment Committee meeting on 29th November 2024. The meeting was convened by **Dr. P. Muthupriya**, Professor and Head, Department of Civil Engineering along with senior faculty members of the department **Dr. P. Saravanakumar, Dr. G. Manjula, Dr. S. Ramakrishnan and Dr. R. Chandra Devi**. The comments from all the expert members were recorded.

M.Tech CSE | MOTIVATIONAL TALK - THE SUCCESS BLUEPRINT



Department of **M.Tech Computer Science and Engineering** in association with IIC Unit of SKCET conducted a motivational talk session on the topic **"The Success Blueprint : Innovators Share their Story"** for the students of First year CSD students on 29.11.2024. The students were very enthusiastically participated in the motivational session.

Session Takeaways:

- Building a Successful Start Ups.
- Venture Capital for fresh Entrepreneurs.
- Cutting Edge technologies in IT industry.
- Pros of being an entrepreneur.

S&H|WEC – GENDER EQUALITY

Women Empowerment Cell along with Department of **Science and Humanities** organized a Seminar on **Gender Equality** for the **First** year students to promote awareness and understanding of the importance of equal opportunities for all genders in academic and professional settings. The event aimed to foster an inclusive mindset among participants and equip them with the tools to challenge stereotypes and biases.

S&H | INTERNATIONAL GIRL CHILD DAY

Women Empowerment Cell along with **Department of Science and Humanities** organized a **Seminar** titled **Health, Hygiene and Wellness: Interconnected Aspects of Human Life**, in observance of **International Girl Child Day,** on 29th November 2024. The session featured an insightful address by the esteemed Guest speaker, **Dr. Subhashini Sankarganesh**, **PSG Hospitals**, Coimbatore. She highlighted key initiatives, significant achievements and actionable recommendations for advancing health, hygiene and wellness. The session proved to be immensely beneficial, equipping the younger generation with essential tools for a healthier and more balanced life.

S&H | INTERNATIONAL STUDENTS' DAY

Department of **Science and Humanities** organized International Students' Day for the First-year students on 29th November, 2024. A series of engaging and intellectually stimulating events like Innovation Fair, Tech Challenge / Hackathon, Canvas of Change were conducted to foster creativity, teamwork and a global outlook among students while promoting cultural and intellectual exchange. The activities laid a strong foundation for holistic development and provided a platform for the students to showcase their talents and potential.

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EEE | PLACEMENT TESTIMONIAL

I am Hemalatha M, student of Electrical and Electronics Engineering of batch 2021-2025, at SKCET. My time at SKCET has been nothing short of transformative, both academically and personally. The institution not only provided me with in-depth knowledge in my field but also nurtured my overall growth, helping me become a more well-rounded individual. The engaging lectures, practical hands-on experiences, and insightful discussions have pushed me to expand my boundaries and continuously strive for excellence. SKCET has given me the confidence and skills to excel in my chosen career path, while also igniting a passion for lifelong learning and dedication in making a meaningful impact on the world. I am proud to be a part of this dynamic and vibrant community. I am immensely grateful to the Head of the Department, faculty members of the EEE department, for their unwavering support and the opportunities provided.

Hemalatha M

EEE (2025 Batch)

Accenture

SKCET | HARITHA TECHSERV OFFICIALS MEETING WITH SKCET TEAM

Team members from Haritha Techserv visited SKCET campus and interacted with **Dr.Jayasudha Subburaj**, Dean Placements and **Dr.P.Ashoka Varthanan**, Dean Innovation and Head of Mechanical Engineering Department.

Haritha Techserv Team members

1.Mr Vijesh Kumar.A, Manager- Talent Development.

2.Mr. Suresh, Senior Application Engineer

Session Highlights:

- Training and Recruitment of Mechanical and Mechatronics Engineering Students.
- Signing of MoU with Haritha Techserv and Sri Krishna Institutions.
- Training in software packages such as Solid Works, Creo and CATIA for students.
- Students will be given Letter of Intent (LOI) once they hired.

PLACEMENT TESTIMONIAL

I am **Sahana J** from the **Information Technology** department, batch 2021–2025. My journey at SKCET has been incredibly enriching, offering me numerous opportunities to grow academically and personally.

I feel honored to have been recognized as the Best Outgoing Student of my Pega batch, a milestone made possible by the exceptional support and guidance of my faculty and peers. One of the most defining experiences during my time at SKCET was being introduced to the Pega University Programme through the Placement Cell. This opportunity allowed me to participate in bootcamps, gain hands-on experience in low-code application development, and acquire skills that are highly relevant to the industry. These experiences prepared me well for the professional world and sparked my passion for innovation.

I am thrilled to have secured placement at TCS Pega, and I am deeply thankful to the Placement Cell and faculty team for their constant encouragement and for creating platforms that helped me achieve this milestone. I also extend my heartfelt gratitude to the Principal and the entire SKCET family for fostering a dynamic and supportive learning environment.

SAHANA J,
IT,
TCS PEGA

PLACEMENT TESTIMONIAL

I am **Naveen S V**, a **Mechanical Engineering** graduate from the batch of 2024. eing a part of Sri Krishna College of Engineering and Technology was a life-changing experience that ignited my potential and set the stage for an extraordinary professional journey. With guidance from the dedicated placement team and supportive faculty members, I secured a coveted position at Schwing Stetter through college placement training. The holistic education and practical training I received equipped me with the skills and confidence to excel in my professional career. I am grateful for the opportunities, mentorship and academic environment provided by my alma mater, which have been instrumental in shaping my career success.

NAVEEN S V,
Mechanical
Schwing Stetter

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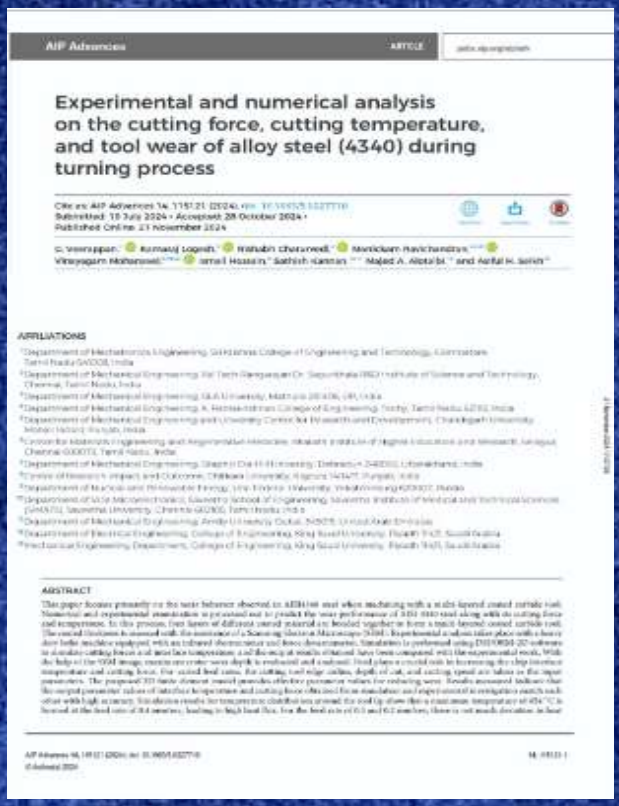
R&D | PAPER PUBLICATION | MCT


AIP Advances

Experimental and numerical analysis on the cutting force, cutting temperature, and tool wear of alloy steel (4340) during turning process

Dr.G.Veerappan, Associate Professor of **Mechatronics Engineering** has published a paper titled **"Experimental and numerical analysis on the cutting force, cutting temperature, and tool wear of alloy steel (4340) during turning process"** in AIP Advances (Web of Science), This is a scopus indexed journal Q1-Annexure 1.

R&D | PAPER PUBLICATION | ECE

Dr.M.Ramkumar, Associate Professor, **ECE** Department has published a Book Chapter titled "**Stretchable and flexible wearable sensors based on carbon and textile for health monitoring"** in Self-Powered Sensors - A Path to Wearable Electronics which was published by Elsevier. ISBN: 978-0-443-13792-1.

Article preview

Self-Powered Sensors

Chapter 7 - Stretchable and flexible wearable sensors based on carbon and textile for health monitoring

Abstract

R&D | PAPER PUBLICATION | S&H

Advances in Nonlinear Variational Inequalities
ISSN: 1092-910X
Vol 28 No. 2s (2025)

Fuzzy Coloring and Total Fuzzy Coloring to Strong Intuitionistic Fuzzy Graphs – Euler, Hamiltonian and Petersen Graphs

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Abstract:
A pioneering contemplate of fuzzy coloring and total fuzzy coloring is incited to a strong intuitionistic fuzzy Euler graph, strong intuitionistic fuzzy Hamiltonian graph and to a strong intuitionistic fuzzy Petersen graph. The fuzzy chromatic number along with its fuzzy chromatic index of both vertices and edges and the total fuzzy chromatic number along with its total fuzzy chromatic index are examined by ordering to the vertices and edges. The concept of fuzzy coloring makes it secure to identify a color's tenure and its solidity at the vertices and edges. This coloring gives a path of a graph.

Keywords: fuzzy coloring, total fuzzy coloring, chromatic number, fuzzy chromatic number, fuzzy chromatic index.

1. Introduction

Francis Guthrie, since 1852, mixed with the coloring conjecture in graph theory. Coloring has been moving with several fields of areas like, telecommunications, networking etc., Graph coloring travels with the coloring of its vertices and its edges. The ideas of fuzzy coloring and total fuzzy coloring [5] are instigated to the vertices and edges of a strong intuitionistic fuzzy Euler graph, strong intuitionistic fuzzy Hamiltonian graph and to a strong intuitionistic fuzzy Petersen graph and then the results of chromatic number, fuzzy chromatic number along with its fuzzy chromatic index and the total chromatic number, total fuzzy chromatic number along with its total fuzzy chromatic index are arrived. The fuzzy coloring concept resorts in the finding the fuzzy color solidity apllied at the vertices and edges validly.

1.1 Preliminaries

Definition 1.1.

$\tilde{G} = (V, E)$ is an intuitionistic fuzzy graph (IFG), where

(1) $V = \{v_1, v_2, \ldots, v_n\}$ is $\mu_1 : V \to [0,1]$ and $v_2 : V \to [0,1]$ notate levels of membership and non-membership of an element $v_i \in V$ and $v_i \in V$ and $0 \le \mu_i + v_i \le 1, \forall v_i \in V, (i = 1,2,\ldots,n)$.

Ms. Revathy P, Assistant Professor, Department of **Science and Humanities** (Mathematics) has published a paper entitled **"Fuzzy Coloring and Total Fuzzy Coloring to Strong Intuitionistic Fuzzy Graphs – Euler, Hamiltonian and Petersen Graphs"** in the journal "Advances in Nonlinear Variational Inequalities", ISSN 1092-910X, Volume 28, No.2s, 2025, pp.47-63. It is indexed in Scopus.

R&D | PATENT PUBLICATION | AI&DS

Mr.A. Wasim Raja, AP **/ AI & DS** has published a patent on the title "**AR based Object Recognition System for assisting virtually impaired individuals"** dated 15.11.2024 with application number 202441085355**.**

The Patent Office Journal No. 46/2024 Dated 15/11/2024

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EEE | FDP ON EMERGING TECHNOLOGIES IN POWER ENERGY

Certificate ID: DIT/EE/24-25/FDP-UO62

DREAM INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRICAL ENGINEERING
(UG Program Accredited by NBA)

CERTIFICATE
OF COMPLETION

PRESENTED TO

Dr. Sivaranjani S

Professor at Sri Krishna College of Engineering and Technology, Coimbatore has successfully completed Five-day online Faculty Development Program (FDP) on Emerging Technologies in Power Energy: Shaping the Future of Sustainable Solutions organised by Department of Electrical Engineering, Dream Institute of Technology, Kolkata from 19.11.2024 to 23.11.2024.

DR. BIVAS ROY
ASSOCIATE PROFESSOR & HEAD
DEPT. OF EE, DIT

PROF. (DR.) DIPANKAR SARKAR
PRINCIPAL
DIT

Kolkata
23 Nov 2024

Dr.S.Sivaranjani, Professor, **EEE** Department has participated in Five Days Faculty Development Program on "**Emerging Technologies in Power Energy: Shaping the Future of Sustainable Solutions"** organized by Department of Electrical Engineering, Dream Institute of Technology, Kolkata from 19-11-2024 to 23-11-2024.

AI & DS | MICROSOFT CERTIFICATION

Mr.S.Senthil Kumar, Assistant Professor of **AI&DS**, have completed a certification titled **"Create and Manage Workspaces in Power BI"** in Microsoft on December 2, 2024.

Microsoft

S Senthil Kumar

has successfully completed

Create and manage workspaces in Power BI

December 2, 2024

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ECE|DECEMBER 1 – WORLD AIDS DAY (NATIONAL AWARENESS)

World AIDS Day, observed annually on December 1, is a global initiative to raise awareness about the HIV/AIDS epidemic, show support for those living with the virus, and remember those who have lost their lives to AIDS-related illnesses. In India, the day has special significance as the country continues to combat the epidemic with a focus on prevention, treatment, and education.

Various events are organized by the National AIDS Control Organization (NACO) and other NGOs to educate people about safe practices, the importance of testing, and the availability of antiretroviral therapy (ART). Red ribbons are widely worn to show solidarity with those living with HIV/AIDS. This day reminds us of the importance of addressing stigma and discrimination, and it emphasizes the collective effort required to achieve an AIDS-free world.

VIMAL.P

IV ECE

ECE| DECEMBER 2 – NATIONAL POLLUTION CONTROL DAY

National Pollution Control Day is observed on December 2 in memory of the 1984 Bhopal Gas Tragedy, one of the worst industrial disasters in history. The day serves as a poignant reminder of the need for stringent environmental regulations and sustainable practices to prevent pollution-related catastrophes.

Activities on this day include awareness campaigns, environmental workshops, and community drives to promote cleaner and greener practices. Government bodies and organizations emphasize the implementation of pollution control measures in industries, proper waste management, and the use of eco-friendly alternatives. The day encourages citizens and policymakers to work collectively towards reducing air, water, and soil pollution for a healthier and safer environment.

VIMAL.P

IV ECE

ECE| DECEMBER 3 – INTERNATIONAL DAY OF PERSONS WITH DISABILITIES

The International Day of Persons with Disabilities is a United Nations observance held on December 3 to promote the rights, dignity, and well-being of individuals with disabilities. The theme for each year underscores a specific aspect of inclusivity, accessibility, or empowerment, aiming to remove societal barriers and foster equality.

In India, the day is marked by government and NGO-led initiatives that focus on creating an inclusive society. Programs include seminars on disability rights, showcasing talents of people with disabilities, and advocating for better accessibility in infrastructure, education, and employment. This day serves as a reminder to celebrate diversity and work towards a society where everyone has equal opportunities to thrive.

VIMAL.P

IV ECE

ECE| DECEMBER 4 – INDIAN NAVY DAY

Indian Navy Day is celebrated on December 4 to commemorate the successful naval operation during the Indo-Pakistan War of 1971, which showcased the might and strategic prowess of the Indian Navy. The day is dedicated to honoring the Navy's pivotal role in safeguarding the nation's maritime borders.

Events such as parades, exhibitions, and naval drills are conducted to highlight the Navy's capabilities. The Navy also opens its vessels for public visits in some coastal cities, fostering a greater understanding of its role. This day serves as an occasion to express gratitude to the brave naval officers and sailors who ensure national security and participate in humanitarian missions.

VIMAL.P

IV ECE

ECE| DECEMBER 5 – INTERNATIONAL VOLUNTEER DAY

International Volunteer Day, celebrated on December 5, recognizes the contributions of volunteers worldwide and promotes the spirit of volunteerism. The United Nations established this day to appreciate individuals who dedicate their time and skills to improve communities and tackle social challenges.

In India, this day is observed with events such as recognition ceremonies for volunteers, community service projects, and awareness campaigns about the value of volunteering. Organizations like NGOs, educational institutions, and corporations organize drives to encourage people to engage in meaningful service. This day highlights the profound impact of collective action in building stronger and more compassionate societies.

VIMAL.P

IV ECE

S&H | CREATIVE CORNER

R. JEYABHARATHI
I CSBS