

SKCET



Buzz

01st – 07th MARCH 2025

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STUDENT COORDINATORS

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INSTITUTIONAL ACCOLADES



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SKCET | YOUTH HACKATHON – PM RECOGNITION



We are immensely proud to share that **Ancilla Maria Faustina L** of First year **ECE A**, was felicitated by **Honourable Prime Minister Shri. Narendra Modi ji** at the **Republic Plenary Summit 2025 – Limitless India**, held at Bharat Mandapam, New Delhi, on March 6, 2025

Ancila made history as the **only candidate from Tamil Nadu among the 9 youth innovators selected across India**. She was recognized for her exceptional contribution as the winner of the Youth Hackathon under the Equity and Empowerment category, showcasing her groundbreaking ideas on a prestigious national platform.

This remarkable achievement was guided by the mentorship of **Ms. A. Priya**, Assistant Professor, Department of **CSE**, SKCET, whose support played a key role in shaping Ancila's success. With **Prime Minister** as the Chief Guest and 25 top leaders addressing the summit, was a momentous occasion for SKCET and Tamil Nadu.

SKCET | RECOGNITION BY ISRO-IIRS FOR PRESTIGIOUS SPACE SCIENCE TRAINING



Sri Krishna College of Engineering and Technology has been proudly recognized as a Participation Institute for the Online Training Programme on "Space Science Technology Awareness Training (START)", conducted by the Indian Institute of Remote Sensing (IIRS), ISRO Dehradun, on January 2025. This achievement highlights the Institution's commitment to cutting-edge space science education and technological excellence.



INSTITUTIONAL EVENTS



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ECE | MOU WITH KATOMARAN TECHNOLOGIES



Department of **ECE**, signed an MOU with **Katomaran Technologies Pvt. Ltd.**, on 04th March 2025.

Katomaran Technologies Pvt. Ltd, a global industrial deep-tech startup, specializes in AI, IoT, and Generative AI-driven innovations.

This MoU aims to promote collaboration between the institution and industry through the Collaborative research projects in the areas of mutual interest. Internships and industrial training opportunities for students. Workshops and seminars by experts from Katomaran Technologies Pvt. Ltd. Establishing a knowledge-sharing platform to enhance skill development. Fostering a collaborative working environment to nurture innovation among students.

SKCET | UYIR CLUB ACTIVITY



UYIR CLUB of **SKCET** in association with the **Coimbatore City Police**, conducted a **Helmet Awareness Campaign** on February 28, 2025 at **Tamil Nadu Agricultural University (TNAU)**, Coimbatore. SKCET UYIR Club Volunteers actively engaged with the riders violating traffic norms, creating awareness about the importance of road safety and the usage of Helmet.

The Traffic Sub-Inspectors from Coimbatore City Police personally commended the volunteers for their dedicated efforts in promoting Road Safety and ensuring Helmet awareness. Students and the Faculty members joined forces to spread awareness about the importance of wearing helmets while riding two-wheelers, promoting road safety and responsible driving practices.

Faculty Coordinator:

Mr. C. Visvesvaran, AP/ECE.



HACKATHON ACCOLADES



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S&H | HACKATHON WINNERS



Students of First year **CSE D & I IT C** have bagged the **First prize** in the Student Innovation domain at the National level Techsavishkar Hackathon organized by Vasavi College of Engineering (Hyderabad). Their impressive prototype presentation captivated the judges, securing them a cash prize of ₹16,000/.

Team: Techno Sharks

- Sanjeev Kumar S (CSE-D)
- Puveesh Keshav M (CSE-D)
- Lokesh Kumar V (IT-C)
- Shreenithy R S (2nd year CSE)

CSE | OVERALL WINNERS OF HACKATHENA'25



Third year and Second year students of CSE have emerged as the **Overall Winners of HackAthena'25**, the National-Level Flagship Hackathon hosted by Jyothi Engineering College, Cheruthuruthy, Kerala held from 27th February to 1st March 2025.

Tracks Featured: OpenHackBlockchain, AI in Health and Cybersecurity, Competing against some of the best talents across the country, the team showcased exceptional technical expertise, creativity and problem-solving skills, securing the Overall Winner along with a cash award of Rs. 30,000/-.

Team Members: Sujan D S (III CSE-C), Sanjay S (III CSE-C), Yuvaraj S (II CSE-D), Surya Arunesh K (III CSE-C)

Team Mentor:

Dr.Reshma V.K, Associate Professor/CSE

CSE | TRACK WINNERS - HACKATHENA'25



Team CodeZ from the Department of CSE, has won First Prize with a cash award of Rs. 10, 000/- in the prestigious HackAthena'25 Hackathon at Jyothi Engineering College, Cheruthuruthy, Thrissur, Kerala. The students excelled in AI in Health category.

Team Members: I CSE D

Rithika P, Samyuktha Sankar, Sangamithra M, Rithika D

Team Mentor:

Mrs. S. Abirami, AP/CSE

CSY | CTF QUEST HACKTHON



Bala Mahendar M, student of **Second** year Computer Science and Engineering(Cyber Security) has participated in the **CTF QUEST HACKTHON** held as a part of **Thiran 2025**, organized by **Sri Eshwar College of Engineering, Coimbatore** on 21st February 2025.

EEE | HACKATHON PARTICIPATION



Second year EEE students have showcased their innovative prowess at the 'Automation & Robotics Challenge Hackathon 2025' - A prestigious National-Level Technical Event hosted by SRM Institute of Science and Technology, Kattankulathur Campus, Chennai on 27.02.2025 and 28.02.2025.

The students demonstrated remarkable technical expertise, successfully cleared two competitive rounds and were honored for their 'Best Innovative Ideas'.

Team Members:

- Mridula K - II EEE B
- Pranavaa Varshini K - II EEE B

Faculty Mentor:

Dr. K. Muthukumar, ASP/EEE

CSY | HACKATHON PARTICIPATION



Arun S, Pragadeesh VS and Sanjai I, students of Second year **Computer Science and Engineering (Cyber Security)** have participated in the Hackthon organized as a part of **CRYPTERA 2025**, a National Level Technical Symposium held at Coimbatore Institute of Technology on 21st February 2025.

CSY | HACKATHON PARTICIPATION



Mohammed Nadheer, student of Second year **Computer Science and Engineering (Cyber Security)** has participated in **KARTHAVYA - 2.0**, a National Level 48 hour Hackthon on "E Waste & Hazardous Waste Management" organized by Jyothi Engineering College, Thrissur in association with Suchitwa Mission, Govt of Kerala from 21st to 23rd February 2025.



STUDENTS PROGRESSION



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CSY | IDEX IDEAL- DRDO



Rithik Raj K S , student of Final year CSE B has joined IDEX IDEAL at the DRDO Head Office, New Delhi, as an intern. His internship will span six months, with a stipend of ₹30,000 per month.

CSY | TECHNICAL EVENT WINNER



Sivakumar S, student of Second year Computer Science and Engineering(Cyber Security) has won **Second Prize** in the **Technical Event “AI IMPROTICS”** organized by **Sri Eshwar College of Engineering and Technology, Coimbatore** on 21st February 2025.

S&H | STUDENT ACCOLADES



Students of **First year AI&DS C** excelled in **SMARTATHON**, a **National Level 24-hour Hackathon** hosted by St. Joseph's College of Engineering, Chennai. The team has won a “**Special Mention**” award along with a cash prize of ₹3000. Their achievement was specially recognized by Mr. R. Srinivasan, EVP and Head of L&T Smartworld and Communications.

Team Members:

- Dhanush N – I AI&DS C
- Rakesh K M – I AI&DS C
- Sabarinathan M – I AI&DS C
- Sathish Kumar T – I AI&DS C

CSY | TECHNICAL EVENT WINNER



Amarnath Sekhar, student from Second year **Computer Science and Engineering (Cyber Security)** has Won **Fourth Prize** in the Technical Event “**AI IMPROTICS**” organized by Sri Eshwar College of Engineering and Technology, Coimbatore on 21st February 2025.

S&H | CODE FIXING COMPETITION



Students of **First year CSE C** have won **Second Prize** in the **Code Fixing** competition organized by KPR Institute of Engineering and Technology in Coimbatore.

Team Members:

- Kirthik Kumar I (I CSE-C)
- Prakash J (I CSE-C)



STUDENTS CERTIFICATION



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S&H | STUDENT ACCOLADES

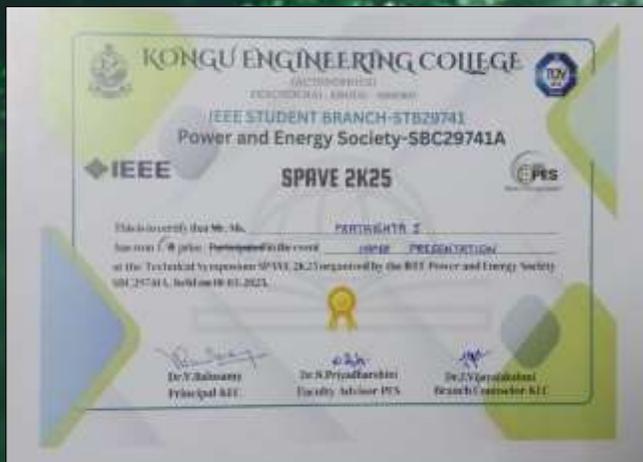


Students of First year **AI&DS C**, **ECE C** have secured the First Prize in the Non-Technical event titled, **Short Film on Science Theme**, was organized by KGISL Institute of Technology, Coimbatore.

Team Members:

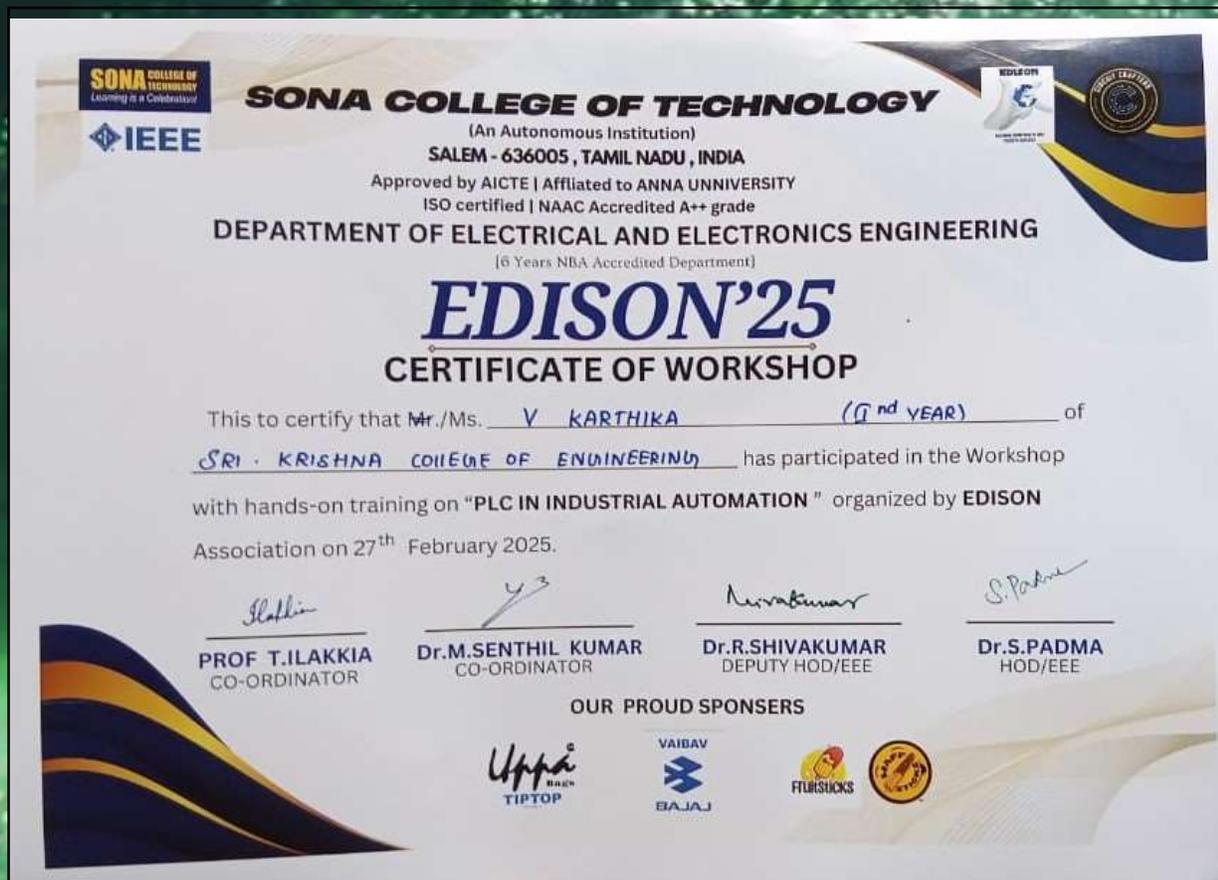
- 1.Yokeswaran B (I AI&DS-C)
- 2.Rishikanth S (I AI&DS-C)
- 3.Seshan Sanjay S (I ECE-C)

CSBS | PAPER PRESENTATION



Prathishta J, Kaviya R and Karthika V, students of Second year **Computer Science and Business Systems** have won **First Prize** in the “**Paper Presentation**” event held at the Technical Symposium SPAVE 2K25 organized by the **Kongu Engineering College** in association with **IEEE power and Energy Society - SBS29741A** on 1st March 2025.

CSBS | WORKSHOP PARTICIPATION



Karthika V, student of Second year **Computer Science and Business Systems** has participated in the workshop with hands-on training on "PLC IN INDUSTRIAL AUTOMATION" organized by Sona College of Technology, Salem with EDISON Association on 27th February 2025.

S&H | STUDENT ACCOLADES



Students of I CSE D have participated and received certificates for their best ideas in Zenith Ideathon 2025 organized by the Department of Computer Science and Engineering.

CSY | PAPER PRESENTATION



Sahana S, Barani Priya RC, Subiksha R and Danusri SH, students from Second Year Computer Science and Engineering (Cyber Security) have participated in the Paper Presentation Event on the topic "AI AND BRAIN INTERFACE" in ASTRANOVA 2K25, a National Level Technical Symposium held at Coimbatore Institute of Technology on 28th February 2025.

S&H | STUDENT ACCOLADES



Students of First year **ECE** have won the Second place with a cash prize of **Rs.1500** in the event entitled, **Query Fiesta Description**, a technical event conducted by Sri Eshwar College of Engineering on 21st Feb 2025.

Team: Vaanam

Team members:

Sadhana V - I ECE C

Adhiyamaan M S – I ECE A

CSY | PAPER PRESENTATION



Sahana M, Vldhyamahalakshmi S, Valarmathi R, students from Second year Computer Science and Engineering (Cyber Security) have participated in the Paper Presentation Event on the topic “ZERO DAY VULNERABILITIES: EXPLOITS BEFORE PATCHES” in ASTRANOVA 2K25, a National Level Technical Symposium held at Coimbatore Institute of Technology on 28th February 2025.

S&H | WORKSHOP ON MERN STACK DEVELOPMENT



Students of First year M.Tech CSE Danusri, Priyanga, Aditya CS, Priyadarshini, Saadhana, Anuchand, Dhanwanthbals and Azhagumadhavan have actively participated in a comprehensive workshop on **MERN Stack Development and Exploration of Cloud Services and Capabilities** at Coimbatore Institute of Technology.

S&H | WORKSHOP PARTICIPATION

Students of First year M.Tech CSE Priyanga R, Nihaal S Hareeshvar V and Karthi V have actively participated in two dynamic and engaging Workshop: **Mobile App Development and Solar Plant Design with Energy Estimation**. These workshops allow the students to explore the cutting-edge technologies in mobile application development and also broadened their understanding of real-world applications in both the tech and energy sectors.



CSY | PAPER PRESENTATION



Shrihari S, Saravanan S, Sanjay Kumar S, Sabariah S, students from **Second** year Computer Science and Engineering(Cyber Security) have participated in the **Paper Presentation Event** during the **CRYPTERA 2025**, a National Level Technical Symposium held at **Coimbatore Institute of Technology** on 21st February 2025.

S&H | NATIONAL LEVEL EVENT



Students of First year **CSBS** have won the Second runner up in the Under Water Robotics, a National Level Flagship event in underwater technology. They participated in the software simulation event, with the project title "Dual-Function Bio-Integrated Autonomous Underwater Robot (BI-AUR) for Hydrothermal Vent Research and Oil Pipeline Inspection," organized by Anna University, Chennai.

TEAM NAME: CODESTORM

TEAM MEMBERS

1. PRIYADHARSHINI P (I CSBS)
2. TEJASHWINI R P (I CSBS)
3. VIBHU VARSATH M (I CSBS)

S&H | POSTER MAKING



Bharath Krishna J and **Balakumaran M** students of First **MECH A** have participated and secured 2nd & 3rd Prize in Canva Canvas (Poster making) with a cash prize Rs. 1000 organized by Sri Eswar College of Engineering, Coimbatore.

S&H | POSTER MAKING



Gowsik H and **Dhilipan A**, students of First year **MECH A** have participated and secured 2nd Prize in Quiz Competition (Knowledge Knockout) with a cash prize Rs 1500 organized by KPR College of Arts Science Research.

MCT | STUDENT CERTIFICATION



Ms.S.Sangamithra, Second year student of **Mechatronics** Engineering has completed the “TECHNOTRONZ’25” workshop on VR & AR from theory to practice held on 22nd February 2025 at PSG College of Technology, Coimbatore.

ECE | PROJECT EXPO



Sreethar NJ, Saran AB and Rogul Jayaraman, students of Third year **ECE** performed well and won 2nd place in the project expo event, which was evaluated by IETE (Institution of Electronics and Telecommunication Engineers) organized by the department of ECE at Sona college of Engineering and Technology, Salem on 27.02.2025.

ECE | PEGA CERTIFICATION



Ms Fathimashirin, student of Final year ECE A has successfully completed the Certified Pega System Architect and advanced level course

AI&DS | NATIONAL LEVEL SYMPOSIUM - ASTRANOVA `25



Ranga Nithilesh R, Ashika S, Shanmathi Sriivasan and Rakisha R students of Third year **Artificial Intelligence and Data Science** have participated in the Paper Presentation event of ASTRANOVA 2025, a national level technical symposium held at CIT, Coimbatore on the 28th February 2025

AI&DS | SERB-SEMINAR



Soundaryaa SS, Pooja M and Bhavani Shree JR, students of Third year AI&DS had participated in the SERB Sponsored five days Seminar on “Hybird Quantum Classical Computing” held at Sri Krishna College of Technology, Coimbatore during 17.02.2025 to 21.02.2025.

AI&DS | BLIND CODING EVENT



Anbarasu, Atindra and Chandru , students of Second year **AI&DS A** have secured second prize along with cash awards in the blind coding event organized by Coimbatore Institute of Technology, Coimbatore on 01.03.2025

AI&DS | RELAY CODING EVENT



Anbarasu, Atindra and Chandru students of **Second year AI&DS Section A** have secured **First prize** with cash awards in the Relay Coding event organized by Coimbatore Institute of technology, Coimbatore on 01.03.2025

AI&DS | CODE GOLF EVENT



Atindra student of Second year **AI&DS A** has secured **Second prize** with Cash awards in the Code Golf event organized by Coimbatore Institute of Technology, Coimbatore on 01.03.2025

AI&DS | PAPER PRESENTATION



K.M. Kavinilaa, A. Jeevetha, S. Kiran Aishwarya and Amisha Ashiq Ali from Second Year AI & DS Section A have won the First Prize in the Paper Presentation along with the Cash prize of Rs.3000 at UDHAYAM'25, held at Kalaighnar Karunanidhi Institute of Technology on 01.03.2025.

AI&DS | CIPHER HUNT



Second year **Artificial Intelligence and Data Science** students participated in technical quiz event "Cipher Hunt" and won Cash prize 1500/- organized by Sri Eshwar College of Engineering and Technology, Coimbatore on 22.02.2025.

Team - Second Prize

Sabarish S - II - AI & DS B

Pranesh J S - II - AI & DS B

AI&DS | SCRIPTHACK



Second year **Artificial Intelligence and Data Science** student participated in "ScriptHack" (Problem Solving Contest) and won Cash awards organized by Sri Eshwar College of Engineering and Technology, Coimbatore on 22.02.2025.

Solo - 2nd prize

Pranesh J S - II AI & DS B

AI&DS | SHORT FILM CONTEST



Manoj Karthik B, Hashid Mohammed H, Manoj S, Gurukrishna M of Second year **AI&DS A** have bagged the First Prize with a cash award of Rs 8000/- for the event " Short Film Contest" organised by Eshwar College of Engineering, Coimbatore on 22.02.2025.

AI&DS | CANVAS



Akash P of Second year **AI&DS** A Section has secured I Prize in the event "Canvas" held at Sri Eshwar College of Engineering, Coimbatore on 20th Feb 2025.

AI&DS | IPL AUCTION



Second year **Artificial Intelligence and Data Science** students participated in "IPL Auction " and won Cash awards organized by Sri Eshwar College of Engineering and Technology, Coimbatore on 21.02.2025.

Team - Special Prize

- Anugragha B.S - II AI & DS A
- Atchaya V - II AI & DS A
- Dharshini S - II AI & DS A
- Kavya V.K - II AI & DS A
- Lakshanya J - II AI & DS A
- Santhana Sri V - II AI & DS B



EVENTS



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MCT | PRINCIPAL INTERACTION



Dr. K. Porkumaran, Principal, SKCET addressed the students of Second year **MCT A** on 18.02.2025. He highlighted all the initiatives taken by the college for the benefit of the students. He appreciated Ms. Ineetha , Final year MCT student, who has been selected as an intern in ERNET. He also motivated the students to actively take part in all hackathons and other national and international activities.

S&H | TAMIL CLUB



Tamil Club of **SHA** conducted a Debate on the topic, AI in Education: Useful? or Harmful for the First-year students on 22.02.2025. The event saw enthusiastic participation, with students presenting well-researched arguments on both sides. It also encouraged critical thinking, improved public speaking skills, and fostered a deeper understanding of AI's impact on education.

Pixlr Club of **SHA** organized Visual Voices for the First year students, an event designed to showcase impactful stories through the lens of awareness. The event aimed to raise awareness, foster creativity, and inspire them to explore the power of visual storytelling.

MCT | HOD INTERACTION



Dr. M. Lydia, HOD/ MCT addressed First year students regarding first semester result. During this meeting she appreciated the toppers and motivated slow learners to concentrate on their regular studies and advised them to clear their backlogs in the immediate next semester.

MCT | MOCK DRIVE



As part of enhancing students Employability Skills and help them to identify their strengths for the industry requirements, SKCET Placement cell organized Mock Interview for Third year **MCT** students on 22.2.25 and 23.2.25.

Key Suggestions:

- ◆ Effective Self-Introduction techniques.
- ◆ Strategies to reduce anxiety and stress during interviews.
- ◆ SWOT analysis to assess strengths and areas for improvement.
- ◆ Tips on responding swiftly and smartly to interview questions

ECE | NOVARD CLUB EVENT



The students of the NOVARD CLUB organized an engaging workshop on "Workflow of Fixed-Wing" on 22.02.2025.

The session was led by **Mr.Rohithan P.D** (III Year ECE) and the team, providing participants with a deep understanding of fixed-wing UAVs. The discussion covered essential topics such as aerodynamic principles, control surfaces, propulsion systems, and navigation techniques. Attendees explored the end-to-end workflow of fixed-wing UAVs, from design considerations to real-world applications.

Through interactive discussions and hands-on demonstrations, students gained valuable insights into flight stability, mission planning, and advanced control strategies. This initiative not only enhanced technical expertise but also encouraged innovative thinking in UAV technology.

MECH | RALLERZ'25 NATIONAL-LEVEL AUTOMOTIVE SHOWDOWN



Three teams of **Mechanical Engineering** Department have once again proven its mettle at RALLERZ'25, a prestigious national-level automotive showdown at Sri Ramakrishna Institute of Technology (SRIT)! The teams roared through the competition, securing phenomenal EIGHT TITLES across various categories, showcasing their engineering prowess, endurance and innovation.

Team Members:

Vimal Kumar. V, Thiru Aravindswamy. P, Raghav Krishnaa. M, Sharuk Ahamed. S, Nafil Ahamed. A, Vinushree. S, Keerthi. M. M, Veereshwar. R. B, Sanjay Adhithya S, Syed Zifran J, Yukesh Kumar C, Vijay Parani A, Sri Hari Haran T, Syed Gani S, Sriram S P, Narayan Srivatsa. D, Rahul. P, Thaejhas. D, TEAM RUT RIDERS: Vishvanathan.S, Rohit.S, Sanjay.V, Santhosh.S, Gowri Dhathri.K, Navfia Sherin.J, Gangesh Sakthi Murugan. T, Ragul.G, Sachin Krishna.G, TEAM REBELS: Santhosh Kumar M, Geethanjali S, Nithish Kumar R, Karthikeyan, Sudharasan S, Sujith S, Sanjay S, K.M Abish Sri, Deenadhayalan. Y, Alen Rovan. R.

Mentor: Mr. N Ramachandran AP/MECH



TUTOR WARD MEETING



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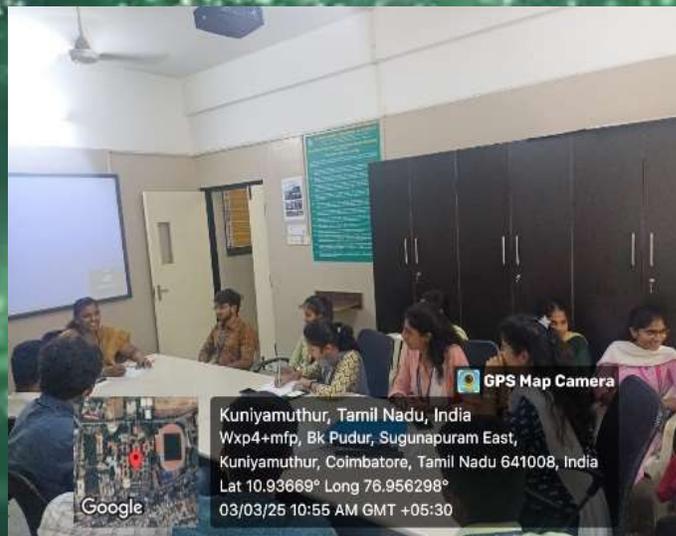
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ECE | CLASS COMMITTEE MEETING



The Second class Committee Meeting for Second year BE **ECE** students for the Fourth semester was held on 03.03.2025. The meeting was conducted by Dr G Vijaya, Associate Professor, Department of CSE. The key points discussed in meeting were: Portion Completion, Classroom Activity Feedback and Preparation for Continuous Internal Assessment

ECE | CLASS COMMITTEE MEETING



Second-class Committee Meeting for Third year BE **ECE** students was held on 03.03.2025. The meeting was conducted by **Dr Bhuvaneshwari**, Associate Professor, Department of Mechatronics. The key points discussed in meeting were: Portion Completion, Classroom Activity Feedback and Placement Training.

AI&DS | CLASS COMMITTEE MEETING



Department of **Artificial Intelligence and Data Science** conducted Class Committee Meeting for **Second year AI & DS 'B'** students on 01.03.2025. Dr.Reshma V.K, Associate Professor, Department of CSE was the Chairperson of the meeting. The points of discussion were:

- Syllabus completion status
- Placement daily test status
- Hackathon participation



PLACEMENT AND TRAINING



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SKCET | PLACEMENT TESTIMONIAL

I am Shanmugam S, a final-year student of Information Technology, graduating in the batch of 2021-2025. My Journey at SKCET has been nothing short of transformative. The comprehensive curriculum, combined with a focus on practical learning, has equipped me with both technical expertise and problem-solving skills. What stood out the most for me was the institution's emphasis on real-world applications and collaborative projects, which helped me gain confidence in tackling complex challenges. I am incredibly thankful to SKCET for providing me with a robust foundation that allowed me to secure a placement with Experian Services India Pvt. Ltd. The continuous support from the faculty and the placement cell have been invaluable, especially in honing my communication and interpersonal skills. These, coupled with the technical training I received, made me ready to take on professional challenges with confidence. A heartfelt thanks to the principal and all the faculty members for their mentorship and encouragement throughout my time here. I am proud to be an SKCETian and will carry the lessons learned here forward in my career.



SHANMUGAM S - IT,
Experian Services India Ltd

SKCET | PLACEMENT TESTIMONIAL

I am Mohit S from the Mechatronics Engineering department, batch 2021-2025. I joined Sri Krishna College of Engineering and Technology, Coimbatore, in 2021. The well-maintained environment and excellent library were the first benchmarks of the college. During my time at SKCET, I had the opportunity to build strong friendships, participate in various events, and undergo technical training. The guidance of experienced faculty enhanced my knowledge in Mechatronics. SKCET provides students with opportunities and the freedom to showcase their talents. The placement team plays a crucial role in shaping our careers by offering continuous support. The technical and aptitude training provided from the second year helped me secure a placement at Camozzi Automation, Noida, Uttar Pradesh, as a Technical Engineer. Camozzi Automation is a multinational company with its headquarters in Italy. I am grateful for choosing SKCET to pursue my education and sincerely thank my parents, friends, subject-handling teachers, tutor, guide, faculty and staff, the HOD, placement team, and our esteemed Principal for their constant support throughout my journey.



**MOHIT S – MCT
CAMOZZI AUTOMATION**

EEE | PLACEMENT TESTIMONIAL

As I look back on my academic journey, I am filled with immense gratitude for the opportunities and guidance that have shaped my path. Securing a position at Procyon Tech Solutions, Bangalore, marks a pivotal moment in my life. I am beyond excited to share that I have been offered a position at Accenture! This opportunity feels like the perfect culmination of my journey so far, combining my love for technology with a drive to innovate and make a real impact. I'm thrilled to share the exciting news of my placement at Hexaware! This achievement marks a significant milestone in my journey, which has been shaped by a deep passion for technology and continuous learning. I am grateful to my respective Head of the Department (HOD) Dr.K.C. Ramya, year coordinator, tutors and the faculty members of EEE department who provided me with unwavering support and guidance which have been instrumental in helping me to achieve my goals. The knowledge and experiences I've gained throughout my time at college have prepared me for this exciting challenge, and I'm thrilled to begin this new chapter. The strong foundation in both technical and soft skills has empowered me to step into the professional world with confidence, and I'm eager to apply what I've learned to make a meaningful impact. Thank you to everyone who has been a part of my story and has helped me reach this significant milestone.

SWEATHA S V EEE
Procyon Tech Solutions Pvt. Ltd,
Accenture &
Hexaware Technologies





RESEARCH AND DEVELOPMENT



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R&D | PAPER PUBLICATION | MCT

Microstructure and Properties of Silicon Carbide and Yttrium Oxide Reinforced Copper Matrix Hybrid Composites (Cu-SiC-Y₂O₃)

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Received: September 12, 2024; Revised: December 12, 2024; Accepted: December 30, 2024

Hybrid metal matrix composites (MMCs) have a higher potential for widespread use in structural engineering and functional device applications because they show better overall mechanical and functional response than their conventional equivalents. Silicon Carbide (SiC) and Yttrium Oxide (Y₂O₃) reinforced Copper hybrid composites were produced by powder metallurgy (PM) process sequence. Both the reinforcements were included in the wt. % of 2.5, 5.0 and 7.5. The homogeneous presence of SiC and Y₂O₃ particles in copper MMCs was confirmed by morphology and characterization studies. The blended milled powders were produced in the form of cylindrical billets using a punch and die arrangement, by cold compaction method at 400 MPa pressure, in a hydraulic press. Sintering was carried out at 900°C for 5 hours in a box furnace. The inclusion of SiC and Y₂O₃ in the copper matrix composites improved the density, hardness, compressive strength (CS), wear resistance and decreased the corrosion rate (CR). Pin on disc (POD) experiments was conducted to study the wear behavior of the composite samples. The minimum wear rate (WR) 3.31049 × 10⁻⁴ mm³/m was obtained for the composite contain 7.5 wt. % of SiC and 7.5 wt. % of Y₂O₃.

Keywords: Copper Hybrid Composites, Microstructure, Powder metallurgy, Silicon carbide, Yttrium Oxide.

Dr.G.Veerappan, Associate Professor, MCT has published a paper entitled “Microstructure and Properties of Silicon and Yttrium Oxide Reinforced Copper Matrix Hybrid Composites (Cu-SiC-Y₂O₃)”. This is a Scopus indexed paper published in Materials Research (WoS indexed- Q1-Annexure 1).

R&D | PAPER PUBLICATION | ECE

Dr.M.Ramkumar, Associate Professor, Department of ECE, has published SCI and Scopus indexed Journal titled “Improved DeTraC Binary Coyote Net-Based Multiple Instance Learning for Predicting Lymph Node Metastasis of Breast Cancer from Whole-Slide Pathological Images” in the Journal, The International Journal of Medical Robotics and Computer Assisted Surgery.



The International Journal of Medical Robotics and Computer Assisted Surgery

ORIGINAL ARTICLE

Improved DeTraC Binary Coyote Net-Based Multiple Instance Learning for Predicting Lymph Node Metastasis of Breast Cancer From Whole-Slide Pathological Images

M. Ramkumar, R. Sanath Kumar, R. Padmapriya, S. Balu Mahendran

First published: 13 November 2024 | <https://doi.org/10.1002/irs.70009>

Funding: The authors received no specific funding for this work.

Read the full text >

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ABSTRACT

Background

Early detection of lymph node metastasis in breast cancer is vital for improving treatment outcomes and prognosis.

Methods

This study introduces an improved Decompose, Transfer, and Compose Binary Coyote Net-based Multiple Instance Learning (ImDeTraC-BCNet-MIL) method for predicting lymph node metastasis from Whole Slide Images (WSIs) using multiple instance learning. The method involves segmenting WSIs into patches using Otsu and double-dimensional clustering techniques. The developed multiple instance learning approach introduces a paradigm into computational pathology by shaping pathological data and constructing features. ImDeTraC-BCNet-MIL was utilised for feature generation during both training and testing to differentiate lymph node metastasis in WSIs.

R&D | PAPER PUBLICATION | ECE

link.springer.com/chapter/10.1007/978-3-031-72527-2_35

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A Novel Polycarbonate Urethane Aortic Valve with Computational Fluid-Structure Analysis

Conference paper | First Online: 31 October 2024
pp 447–461 | [Download conference paper](#)

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118 Accesses

Abstract

Valvular Stenosis Disease (VSD) resulted from impaired the valvular function is affecting millions of people worldwide. Amid which, the most common valvular heart disease is Aortic stenosis (AS). Untreated AS has a high fatality rate and rely on valve repair and Aortic valve replacement (AVR), which could be done with artificial heart valves, that includes mechanical heart valves and bio-prosthetic heart valves. Mechanical heart valves are highly used, owing to their durability and long life. The most commonly preferred materials in fabricating artificial valves includes Titanium, Polyurethane, Pyrolytic carbon that have complications relating to anticoagulant intake, immune-driven calcification, degradation and biocompatibility issues and thus highlighting the need for production of

Dr. S Gowthami, Associate Professor, Department of ECE has presented and published her conference paper “A Novel Polycarbonate Urethane Aortic Valve with Computational Fluid-Structure Analysis” at International Conference on Advanced Materials Manufacturing and Structures (ICAMMS 2024). It is a Scopus Indexed Conference.

R&D | PAPER PUBLICATION | ECE

Ms. Revathy P, Assistant Professor, Department of Science and Humanities (Mathematics) has published a paper entitled "An application of a strong and complete intuitionistic fuzzy graph by the concept of fuzzy coloring" in the journal "Notes on Intuitionistic Fuzzy Sets", Volume - 31, Issue - 01, 2025, Page no: 39-47. It is a Scopus indexed journal.

Notes on Intuitionistic Fuzzy Sets
Printed ISSN 1316-5132, Online ISSN 2367-8263
2025, Volume 31, Number 1, 39-47
DOI: 10.7546/nifs.2025.31.1.39-47

An application of a strong and complete intuitionistic fuzzy graph by the concept of fuzzy coloring

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Accepted: 4 March 2025
Revised: 2 November 2024
Online First: 5 March 2025

Abstract: The hypothesis of fuzzy coloring to a strong and complete intuitionistic fuzzy graph is analyzed with a real time application. The conclusion of the Academic Leadership Commission Meeting of a higher educational institution is illustrated using the concept of fuzzy coloring.
Keywords: Fuzzy coloring, Intuitionistic fuzzy graph, Fuzzy coloring.
2020 Mathematics Subject Classification: 05C72, 05C76

1 Introduction

Coloring of a Graph has been a tremendous concept originated from the year 1852 by Francis Guthrie [1]. Then in the mid 1980's, Behara and Vizing introduced independently the concept of total coloring [4, 14]. Graph theory plays a significant role in applications of numerous fields like telecommunication, scheduling, operations research, transportation, networking, weather forecasting, medical diagnosis, etc. Graph coloring helps in the process of finding the path

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S&H | FACULTY DEVELOPMENT PROGRAMME



Dr. Ranjithkumar B, Assistant Professor, Department of Science and Humanities has participated and completed AICTE Training and Learning, Academy Faculty Development Programme on “**Revolution Electric Vehicle Powertrains: The Role of Wide-Bandgap Semiconductors in Overcoming Challenges and Shaping Future Trends**” at Dr. Mahalingam College of Engineering and Technology from 17/2/2025 to 22/02/2025.

MCT | FACULTY DEVELOPMENT PROGRAMME

Dr. S. Dinesh, Assistant Professor of MCT has participated in the Six Day online Faculty Development Program on “**Emerging Material Innovations for Industrial Applications**” organized by the School of Mechanical Science, Rathinam Technical Campus, Coimbatore, from 17th to 22nd February 2025. This program provides insights into recent advancements in material innovations and their industrial applications.

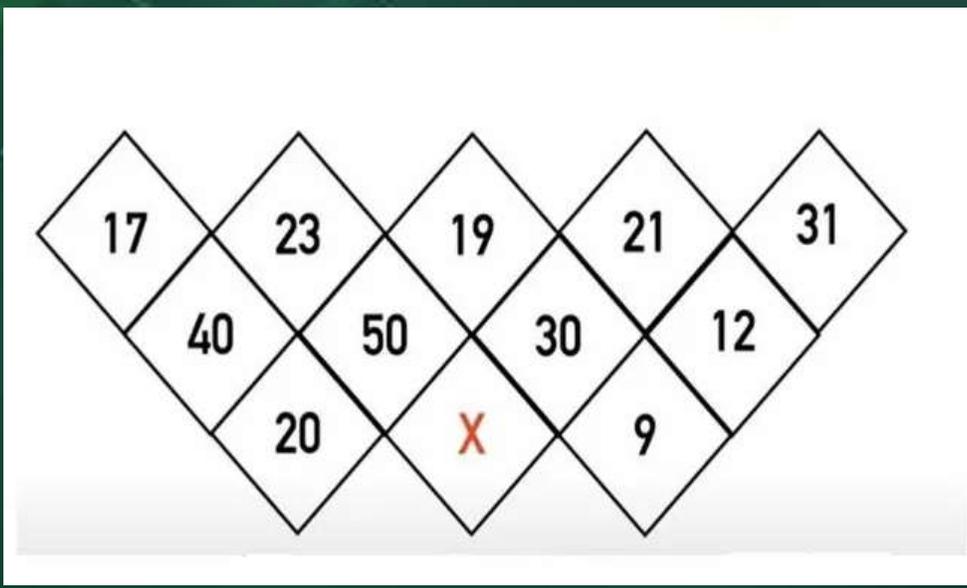


ECE | FACULTY PARTICIPATION



Dr V R Balaji, Professor department of ECE has successfully completed and coordinated one day online workshop on Space Science and Technology awareness training(start) by IIRS January 2025

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EEE | CONFERENCE PRESENTATION



Ms.N. Subhalakshmi, Assistant Professor, EEE Department along with V.Santhoshkumar, A.P Santhosh, A.Prabhu E.Nilesh Krithik students of Final year EEE have presented and published a paper entitled “**Design and Development of PMSM Drive Controller for Electric Go-Kart**” in the International Conference on Advanced Research in Electronics and Communication Systems (ICARECS) held at SRM Institute of Science and Technology, Chennai on 26-02-2025 & 27-02-2025.

EEE | CONFERENCE PRESENTATION



Dr. J. Karthika, Professor, EEE Department along with Sheik Hameed K M, Sukitha S, Venkataprasanth P students of Final EEE have presented and published a paper entitled “Design and Development of a Smart Conveyor System for Predictive Moisture Control in Coal Handling” in the International Conference on Advanced Research in Electronics and Communication Systems (ICARECS) held at SRM Institute of Science and Technology, Chennai on 26-02-2025 & 27-02-2025.

EEE | CONFERENCE PRESENTATION



Ms.N. Subhalakshmi, Assistant Professor, EEE Department along with G.Vishwathar, B Surendhiran, Sashwin Vaibhav S R, S.Lokeshwaran Students of Final year EEE have presented and published a paper entitled “Design and Development of Intelligent Traffic Sign Board Detection System” in the International Conference on Advanced Research in Electronics and Communication Systems (ICARECS) held at SRM Institute of Science and Technology, Chennai on 26-02-2025 & 27-02-2025.



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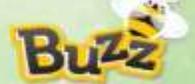
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EEE | ALUMNI INTERACTION



Department of **Electrical and Electronics Engineering** organized an impactful session on '**Roadways for a Successful Engineer**' on 01.03.2025 for Third year EEE students. The session was delivered by Mr. Vijay Vignesh (Batch: 2018-2022 Alumnus), Software Engineer, CTS, Coimbatore who provided valuable insights into career planning and professional growth.

Key Takeaways:

Setting clear professional aspirations, Develop Strong Technical Skills, Build a Solid Professional Network, Develop Soft Skills and Leadership Qualities, Stay Updated with Industry Trends, Emphasizing lifelong learning and adaptability.

ECE | ALUMNI INTERACTION



Mr.Vignesh Namasivayam Electrification Controls Engineer, BorgWarber Inc., Michigan, USA Alumni of 2017 ECE Batch interacted with the Students of EV club.

He insisted the importance of EV technology and its impact on Automotive industry. The Key points discussed are Air Dynamics, Weight Transfer mechanism, PWM methods, PID Controllers. Accessory Sensors



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ECE | NATIONAL SCIENCE DAY

National Science Day is a significant observance in India, dedicated to celebrating scientific achievements and fostering a scientific temperament.

The day marks the discovery of the "Raman Effect" by the renowned Indian physicist Sir C.V. Raman on February 28, 1928. This groundbreaking discovery earned him the Nobel Prize in Physics in 1930. It aims to propagate the importance of science and its applications among the people of India. It serves to recognize the contributions of Indian scientists and inspire future generations to pursue scientific endeavors. National Science Day is celebrated throughout India in schools, colleges, universities, and research institutions. These celebrations often include lectures, exhibitions, demonstrations, and competitions related to science. Each year a theme is chosen to focus the celebrations.

In 1986, the National Council for Science and Technology Communication (NCSTC) recommended that the Indian government designate February 28 as National Science Day. The first National Science Day was celebrated on February 28, 1987.

In essence, National Science Day is a tribute to India's scientific legacy and a platform for promoting scientific awareness and innovation.

Samiksha.H
I ECE

ECE | RARE DISEASE DAY RAISING AWARENESS AND ADVOCACY FOR RARE DISEASES

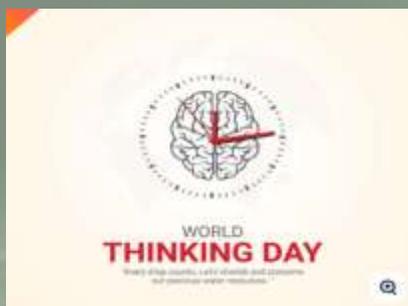
Rare Disease Day, observed on the last day of February each year, serves as a global initiative to raise awareness about rare diseases and improve the lives of individuals living with these conditions.

Despite the challenges of having a rare disease, the day aims to foster understanding, encourage advocacy, and promote scientific advancements to better support those affected.

The term "rare disease" refers to any disease that affects a small percentage of the population. According to the European Organization for Rare Diseases (EURORDIS), a disease is considered rare when it affects fewer than 1 in 2,000 people in the European Union, while in the United States, it refers to diseases affecting fewer than 200,000 individuals. These diseases, often complex and hard to diagnose, can affect individuals of any age, gender, or ethnicity, and many have no known cure. The primary goal of Rare Disease Day is to give a voice to the millions of individuals who are impacted by these conditions, most of whom may feel isolated due to the rarity of their disease. With over 7,000 rare diseases identified globally, many people struggle to find medical professionals with the expertise to offer diagnosis, treatment, or support. Furthermore, because these diseases are uncommon, there is often a lack of funding for research, which leads to a slower pace of scientific discoveries, limiting the development of effective treatments or cures.

**Shangeetha R,
I ECE**

ECE | WORLD THINKING DAY: A GLOBAL CELEBRATION OF UNITY AND EMPOWERMENT



World Thinking Day, observed every year on February 22, is a significant day for Girl Guides and Girl Scouts around the world. This day, rooted in the values of scouting, is a reminder of the power of collective action, empathy, and the desire to make the world a better place.

World Thinking Day was first established in 1926 during the 4th World Conference of the Girl Guides and Girl Scouts in Paris, France. The day was chosen to honor the birthdays of both Lord Baden-Powell, the founder of the Boy Scouts, and his wife, Lady Olave Baden-Powell, who was the World Chief Guide. The theme of World Thinking Day changes every year, focusing on a range of important global issues. These themes are chosen to reflect the most pressing challenges the world faces, such as poverty, gender equality.

GOKUL RAJ E

I ECE

ECE | INTERNATIONAL MOTHER LANGUAGE DAY

International Mother Language Day, celebrated on February 21st each year, aims to promote linguistic and cultural diversity worldwide. The day emphasizes the importance of preserving and protecting all languages, especially those at risk of disappearing. It was declared by the United Nations in 1999 to raise awareness about the significance of mother languages in fostering communication, identity, and cultural heritage. By encouraging multilingualism, International Mother Language Day highlights the role of language in shaping personal and collective identity and promoting inclusivity.

Languages are not merely tools for communication; they carry deep cultural significance, reflecting the history, traditions, and values of communities. When a language disappears, it not only affects communication but also erodes cultural identity and knowledge systems that have been passed down through generations. According to UNESCO, nearly 40% of the world's languages are endangered, making the need for preserving linguistic diversity more urgent than ever.

LOGESHWARAN L
I ECE

ECE | BRIDGING THE GAP: THE ROLE OF EDUCATION IN GLOBAL DEVELOPMENT

Education constitutes the bedrock of global advancement, serving as an unparalleled conduit for economic proliferation, social equity, and sustainable progress. Across the globe, millions remain disenfranchised from access to quality education, perpetuating cycles of indigence and impeding societal evolution. As the international community strives to actualize the Sustainable Development Goals (SDGs), education emerges as an indispensable vehicle for cultivating a more equitable and prosperous future.

Universal access to quality education is paramount in dismantling intergenerational poverty. Education endows individuals with critical acumen, literacy, and quantitative proficiency, empowering them to procure gainful employment and elevate their living conditions. Furthermore, it engenders civic engagement, equipping individuals with the intellectual resources requisite for advocating their rights and participating substantively in governance. When children, particularly girls, attain education, they are poised to engender economic fortification within their families and communities, thereby augmenting societal resilience. In developing nations, impediments to education remain formidable. Deficient infrastructure, fiscal constraints, and entrenched sociocultural paradigms frequently preclude children from accessing scholastic institutions. Gender inequity further exacerbates this dilemma, as girls disproportionately encounter barriers such as child marriage, domestic obligations, and regressive norms that marginalize female education. Alleviating these impediments necessitates a holistic policy framework, encompassing strategic investments in educational infrastructure, pedagogical enhancement, and financial aid initiatives tailored for marginalized cohorts.

Aishvarya Ravichandran
IV ECE A