



IS
T

INFORMATION SCIENCE AND TECHNOLOGY ASSOCIATION

EDITION 05

Instance

ISTA's OFFICIAL MONTHLY NEWSLETTER

ESTD. 2024

OCTOBER 2025

DIGITAL TWINING

If you could have a perfect virtual copy of anything—a car, a building, or even a whole city, that reacts exactly like the real one. That's what digital twins are. They're digital versions of real-world things, fed by live data from sensors, so you can see how they behave in real time. This is powerful because it lets people test and plan without risking anything. Engineers can spot problems before machines break, city planners can manage traffic and energy efficiently, and businesses can optimize operations without trial and error. It's like having a "practice world" that mirrors reality perfectly. The future possibilities are huge. Doctors could simulate surgeries on digital twins of patients, factories could prevent machine failures before they happen, and even AI systems could be tested safely before being used in the real world. Essentially, it gives us a safe, smart way to experiment, plan, and improve. As this technology spreads, almost everything around us could have a digital twin. It's a step toward a world where decisions are not just guesses, they're tested and understood in a virtual copy first.

AI WATERMARKING AND CONTENT AUTHENTICITY

You're scrolling through social media and see an amazing photo of a futuristic car or a funny meme. How do you know it's real or made by AI? That's where AI watermarking comes in. Think of it like a secret signature hidden inside digital content. You can't see it with your eyes, but special tools can detect it and tell you where it came from. It's a big deal because deepfakes, fake news, and AI-generated images are everywhere now. Watermarks help people know what's real and what's not, protecting trust online. It's like adding a tiny "authentic" badge on every AI-created photo, video, or article. In the future, this could change the way we interact with digital content. We could instantly verify news, prevent scams, and even give artists and creators a way to prove their work is theirs. Beyond technology, it could teach us something about honesty and responsibility in the digital age. Knowing what's genuine won't just help computers—it could help humans think more clearly and act more responsibly online. AI watermarking is small, invisible, but powerful. It's like giving the internet a conscience, one hidden mark at a time.

- PREM KUMAR KALE - 2024115136

INVOLVEMENTS IN OTHER CLUBS

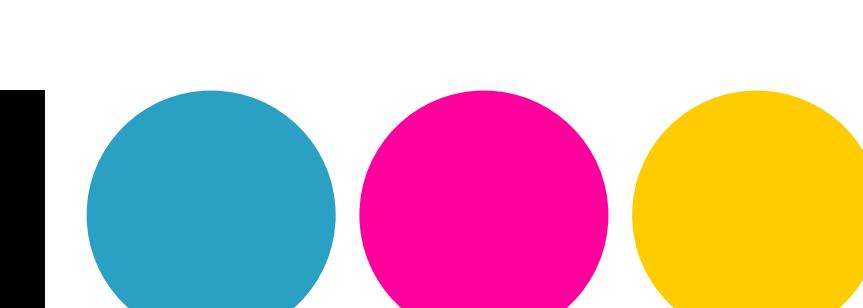
Students continue to shine across various clubs and societies of CEG, taking up significant roles that highlight their leadership, creativity, and commitment to the campus community. Their contributions extend across multiple domains such as technology, event management, design, media, marketing, and social outreach, reinforcing the spirit of teamwork, innovation, and excellence that defines our department.

On the technical and coding front, our students play key roles in organizations like **CSAU, CTF (CEG Tech Forum), AUSEC, ACM, and SAAS**, serving as heads, organizers, and coordinators in areas like **Web & App Development, Competitive Programming, TechOps, and Design**. Their consistent efforts have contributed to the successful execution of numerous events, hackathons, and research initiatives that foster technical learning, collaboration, and creative problem-solving.

Through platforms like the **Rotaract Club of CEG, the LEO Club, and the Career Guidance Forum (CGF)** and **AU Podium** students have been actively involved in community development, social service, and career-oriented programs, taking up roles such as **Vice Presidents, Deputy Heads, and Event Coordinators**. Their involvement reflects not only a sense of responsibility toward society but also a genuine interest in guiding and empowering their peers.

On the creative and cultural side, our students have made their mark in clubs such as **Guindy Times, Pixels, Scribbles, Sruthilaya, Literary Club, Maadhavam and Career Guidance Forum** where they lead initiatives in visual design, content creation, photography, and media management. Their participation has added depth and vibrancy to the cultural fabric of the campus, nurturing artistic expression alongside technical and academic pursuits.

Furthermore, representation in prestigious organizations like **IEEE WIE and the Robotics Club** showcases their growing influence in technology and innovation, while leadership in clubs like **SAPTHAM** reflects their ability to handle responsibility, coordinate diverse teams, and bring creative ideas to life.



IS
T

EDITION 05

PLACEMENT Statistics

TOTAL OFFERS = 51

Fidelity Investments	5
Vegrow	1
Accenture	1
Appian Corporation	6
Barclays	4
Wells Fargo	4
SAP Labs	1
Nokia	2
American Express	1
Tekion	4
NatWest	3
Trimble	3
Netradyne	1
Verizon	10
Oracle (FTE)	1
Oracle(Intern)	1
Wex Fintech	1
Athenahealth	1
Loadshare Networks	1

InstaTance

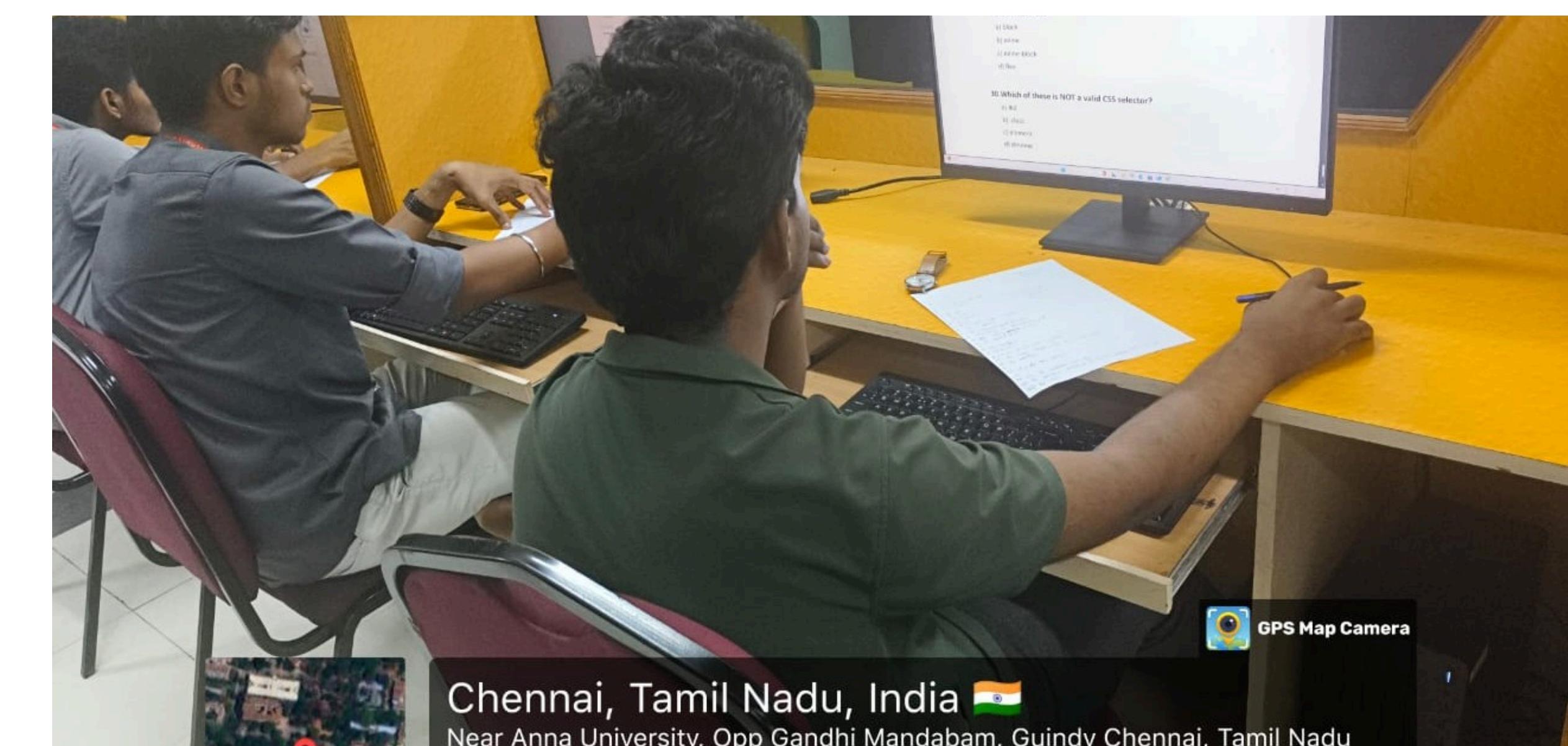
ISTA's OFFICIAL MONTHLY NEWSLETTER

ESTD. 2024

OCTOBER 2025

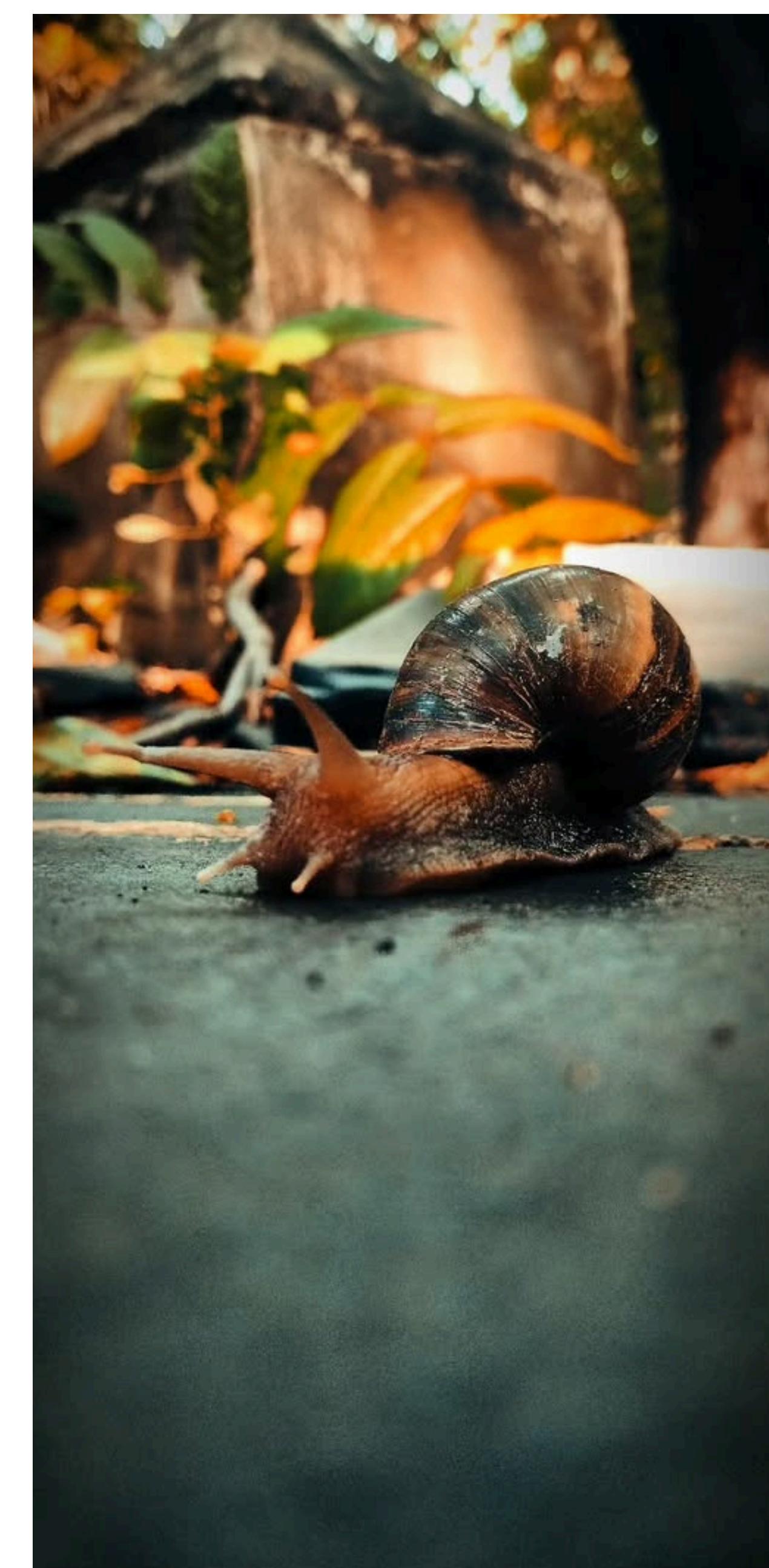
DEPARTMENT ACTIVITIES

The **Courses domain** conducted a series of sessions focusing on Linked Lists, covering singly, doubly, and circular linked lists. A session was organized exclusively for the lateral entry students as well. A special mention goes to **Abharna Shree M, Nazyia, Neelakandan, Akshaya S K, Siva, Abdullah Suhail, Abinaya S M and Subi Pinsha** for leading and coordinating the sessions. The second session of **Tech Trek** was organized by the **Web development domain**. The participants engaged in activities where Second year students answered MCQs based on HTML, CSS, JavaScript, and React, while Third year students focused on debugging-related questions.



JAYASURIYA R -2022115031

FINAL YEAR



ART, PHOTOGRAPHY AND OTHERS

JINITH PRASATH - 2025115091

FIRST YEAR



PREETHI -2022115305

FINAL YEAR

INTERNSHIP Statistics

TOTAL OFFERS = 23

D E Shaw 1, Appian 5 ,Wells Fargo 4 ,Barclays 2 ,American Express 1, NatWest 2, Fidelity 5, AtumX Innovations 1, Cetosoft Infotech 1, Google 1

