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ACM-CEG Newsletter

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ACM CEG has had an impactful journey over the past few months, hosting a variety of events that have engaged students at different levels.

Prodigy, our inter-school competition, successfully introduced students to technology and problem-solving. CODEX, our ongoing online coding contest on HackerRank, has seen four thrilling rounds, fostering competitive programming amongst college students. Our internship training initiative, CodeCrux, has been helping juniors for internship placements with guidance from experienced seniors. We also hosted a Product Management Workshop, providing key insights into product strategy and development.

What We've Done and What's Coming Up!

--MuthuVaishnavi A

As part of Techofes'25, Trivia Rush Saga and Reverse Scavenger Hunt added a captivating mix of logic and fun. We also launched CEG Fabless, a RISC-V processor collaborative project, engaging students from ECE, CSE, and IT to contribute to a promising technological initiative.

The upcoming months are packed! CODHER, our exclusive hackathon for women, aims to encourage female participation in tech. Code Mafia 2.0, a gamified coding contest, will encourage problem-solving in a fun, interactive way. Additionally, ACM tech events will be held at Abacus'25 and ITRIX'25, the flagship symposiums of DCSE and ISTA. Participants can look forward to intriguing competitions and workshops. Stay tuned!

Upcoming Events

--Madhubaalika M

CODHER

- 24-hour online hackathon for women
- Dates: April 6-7
- Fee: ₹200 | Prize pool: ₹65,000+
- Presented by MotorQ & UnStop

Code Mafia 2.0

- Gamified coding contest
- Dates: TBA

Abacus'25

- Flagship symposium, DCSE, CEG
- Dates: March 21-23
- Exclusive ACM CEG event

ITRIX'25

- Flagship symposium, ISTA, CEG
- Dates: March 21-23
- Specialized ACM CEG event

Tech Tips

-- Vamsidhar

Courses & Tutorials

- [CS50](#) (Harvard), [MIT OpenCourseWare \(OCW\)](#) - Intro to CS & programming.
- [GeeksforGeeks](#), [TutorialsPoint](#) - Language-specific tutorials.
- [Coursera](#), [Udacity](#) - Engineering-focused courses.

Reference & Documentation

- [W3Schools](#), [MDN Web Docs](#) - Web technologies.
- [Stack Overflow](#), [GitHub Docs](#) - Troubleshooting & version control.

Competitive Programming

- [LeetCode](#), [Codeforces](#), [CodeChef](#), [AtCoder](#) - Coding challenges.
- [Project Euler](#), [HackerRank](#) - Problem-solving practice.

AI & ML

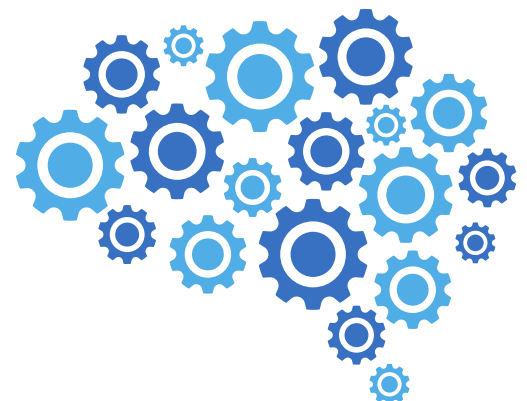
- Courses: [Andrew Ng's ML Course](#) (classical ML), [Fast.ai](#) (deep learning with PyTorch)
- Libraries: [TensorFlow](#), [PyTorch](#), [scikit-learn](#).
- Platforms: [Kaggle](#), [Hugging Face](#), [NVIDIA AI & CUDA](#), [LangChain](#)

Cybersecurity

- Training: [TryHackMe](#), [Hack The Box](#), [Cybrary](#)
- Tools: [Kali Linux](#), [Metasploit](#).

Web Development

- Courses: [Frontend Masters](#), [Odin Project](#), [Scrimba](#).
- Practice: [Frontend Mentor](#).
- Resources: [Can I Use](#), [CSS-Tricks](#).



ACM Spotlight

--Kamalika M



We are thrilled to announce the success of our recent Product Management Workshop! A huge shoutout to Mr. Anand M for delivering an insightful session. His deep expertise and practical insights provided attendees with a deeper understanding of the field, leaving them with valuable takeaways.

We extend our heartfelt gratitude to the ACM Events Team for their smooth progression of the event! From planning to execution, their dedication ensured a hassle-free experience for all.

We are also deeply appreciative of **Girish Sai** and **Mytreyan** from the IT department along with the Marketing Team, for crafting an engaging reel that captured the essence of the event. The results speak for themselves- the reel garnered over 100 likes and almost 4,000 views! This event was a true testament of collaboration and enthusiasm, and we can't wait to bring you more such sessions. Stay tuned for more!

The Paradox of Progress: Are We Truly Advancing?

--Krithika V

Sometimes- I wonder if all the progress we think we make is truly making life better. Technology connects us instantly- yet real conversation feels rare. Work is more efficient, but we're more burnt out than ever. Life is convenient; food arrives at our door, and everything is a click away- yet stress, anxiety and depression have become common everywhere.

Growing up, I held firm belief in thinking progress meant making things bigger, better and faster. Now, however, I question if we're just running in circles. We chase success, but at what cost? We push for more growth, yet our planet suffers. Medicine advances, but new diseases consistently emerge from our modern lifestyles.

Maybe true progress isn't about doing more. Maybe it's about living better- slowing down, finding balance, and valuing happiness. Maybe we need to redefine what it means to move forward, making sure we don't lose what truly matters along the way. If progress costs us our peace, our health, and our connection with each other— are we really advancing at all?

Opinion Piece



What's Hot in Tech



Travel Beyond Wheels

--Keerthana K

The chaos of road traffic and congestion can be overwhelming for any traveler, especially when the anxiety of commuting overpowers the joy of the journey. Enter robotaxis, your very own automated taxis!

A personalized travel assistant, a robotaxi optimizes routes, increases travel speed, and allows you to sit back and truly appreciate the experience.

At the core of this technology is a sophisticated sensor suite, integrating LiDAR, radar, ultrasonic sensors, and vision systems to perceive its surroundings. AI and machine learning enable the vehicle to process massive datasets, recognize objects, predict pedestrian behavior, and interpret road signs with precision.

One of the most remarkable aspects of robotaxis is their use of pre-mapped 3D road data in combination with GPS and IMU (Inertial Measurement Unit) to provide highly accurate geolocation. Any concerns about security tied to automated travel are mitigated by its intrusion detection systems, which actively monitor for hacking attempts and system anomalies.

Companies like Tesla, Waymo and Cruise race to tap into this market, with Tesla making plans to begin production in early 2026.

This groundbreaking initiative will not only revolutionize the travel industry but also make a tremendous societal impact, reducing both traffic congestion and road accidents.

Tech Break

—Swayamprabha N



Google's First Name Was Way Dumber

Google was originally called "BackRub." Imagine a world where we say, "Just BackRub it." Sounds more like a questionable massage service than a search engine.

You Can Literally Email a Tree

In Melbourne, Australia, trees have email addresses so people can report issues like fallen branches. Instead, people started sending them love letters. Somewhere, an oak tree is ghosting its human admirer.

Amazon's AI Hiring Bot Became Sexist in a Week

Amazon built an AI to screen job applications...And it immediately started rejecting women because it was trained on past hiring data. Basically, it learned corporate sexism from history and said, "Noted."

Apple Launched a Clothing Line, and It Was... Hideous

In the '80s, Apple decided to forget computers and venture into fashion. They launched "The Apple Collection"- and it looked like they tried way too hard. A line of clothes so effortlessly.. UGLY.

Q&A

We know you have questions, and we're here to answer them! Whether it's about tech trends, industry insights, college projects, or career advice, drop your questions, and we'll feature the best ones in our next edition.

How to submit your questions?

Ask us on Instagram Stories! We'll post a Q&A sticker on our Instagram Story

Follow us on Instagram: [@acmcceg](https://www.instagram.com/acmcceg) and keep an eye on our stories!

The best questions will be featured in the next issue—so ask away!

