



ATME
College of Engineering



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CS MAIL

Newsletter

Aug 2026



Mobile: **90369 26363** | Phone: **0821- 2954081/11**
Email: info@atme.edu.in | Website: www.atme.edu.in
13th Kilometer, Mysore – Kanakapura – Bangalore Road, Mysore – 570 028

Follow us on





Vision Of The Department

- To develop highly talented individuals in Computer Science and Engineering to deal with real world challenges in industry, education, research and society.



Mission Of The Department

- To inculcate professional behavior, Strong ethical values, innovative research capabilities and leadership abilities in the young minds & to provide a teaching environment that emphasizes depth, originality and critical thinking.
- Motivate students to put their thoughts and ideas adoptable by industry or to pursue higher studies leading to research.



About the Department

The **Department of Computer Science & Engineering** at ATME College of Engineering was established in **2010** with an initial intake of **60 students**, which was subsequently increased to **180 students in 2024**. Since its inception, the department has been committed to providing quality education while fostering academic excellence, research, innovation and professional development in the field of Computer Science and Engineering.

The department focuses on preparing students to meet the evolving demands of the technology sector by providing a strong foundation in both theoretical concepts and practical applications. This is supported by a team of **highly qualified and experienced faculty members** with strong academic credentials and a balanced combination of academic and industrial experience. Their expertise enables students to gain comprehensive knowledge and develop the skills required to address real-world technological challenges.

The department is equipped with **state-of-the-art laboratories and excellent infrastructural facilities**, creating a conducive environment for teaching, learning and research.



experimentation, and innovation. These facilities help students acquire hands-on experience and competencies aligned with global academic and industry standards.

As part of its efforts to promote professional development and technical engagement, the department initiated a **student branch of the Computer Society of India (CSI) in 2012**. All students of the department were enrolled as CSI student members, providing them with opportunities to participate in professional and technical activities. The college has also obtained **CSI Institutional Membership**, while several faculty members hold **Life Memberships of CSI**.

To further support academic learning and self-development, the department has established a **Department Library with more than 1,110 volumes**, providing students and faculty with access to a wide range of academic and technical resources.

Through its commitment to **quality education, innovation, research, professional engagement, and holistic student development**, the department continues to strive towards creating competent professionals capable of contributing effectively to the ever-evolving field of technology.

PROGRAM EDUCATIONAL OBJECTIVES (PEO'S)



- Empower students with a strong basis in the mathematical, scientific and engineering fundamentals to solve computational problems and to prepare them for employment, higher learning and R&D.



- Exposure to emerging technologies and work in teams on interdisciplinary projects with effective communication skills and leadership qualities.



- Gain technical knowledge, skills and awareness of current technologies of computer science engineering and to develop an ability to design and provide novel engineering solutions for software/hardware problems through entrepreneurial skills.



- Ability to function ethically and responsibly in a rapidly changing environment by applying innovative ideas in the latest technology, to become effective professionals in Computer Science to bear a life-long career in related areas.



PROGRAM SPECIFIC OUTCOMES (PSO'S)



- Ability to apply skills in the field of algorithms, database design, web design, cloud computing and data analytics.



- Apply knowledge in the field of computer networks for building network and internet based applications.

Message From Principal



“

ATMECE has emerged as a prominent institute offering quality education. All round continuous changes in infrastructure and academics standard have helped us to build a brand name. It gives me immense pleasure to introduce the Volume 14, Issue II of the half yearly newsletter “CS MAIL” of Computer Science Department. I am pleased to know that the newsletter will showcase the activities and credentials of CS&E department. I hope this will become a platform for students and staff to exhibit their talents in science and technology. On behalf of management, I appreciate the newsletter committee for their efforts in bringing out this edition. I wish the editorial all success!!

”

Regards,

Dr L Basavaraj

Principal, ATMECE



Message From Chief Editor



“

It gives me immense pleasure to present this edition of the newsletter of the Computer Science and Engineering Department, ATME College of Engineering, Mysuru. This newsletter stands as a reflection of the vibrant academic culture, innovative spirit, and collective achievements of our faculty and students. The field of Computer Science is evolving at an unprecedented pace, shaping every aspect of modern life—from artificial intelligence and cloud computing to cybersecurity and data science. In this dynamic environment, our department continuously strives to equip students with strong technical foundations, critical thinking skills, and ethical values required to meet global challenges.

I sincerely appreciate the efforts of the editorial team, faculty coordinators, and students who have worked diligently to bring out this newsletter. I also congratulate all those who have contributed through their achievements, publications, events, and innovations.

I wish all our students and staff continued success in their academic and professional endeavors!

Regards,
Dr. Putte Gowda D
Professor & Head

”

Editor



Ms. B S Vanishree
Assistant Professor,
CS& ATME

Student Coordinators



Ms. Suhana S
Ms. Umme Kulsum



Department Activities



CSE Department – Sports Champions at ATMEYA 2026

The Department of Computer Science & Engineering proudly emerged as the Overall Sports Champion at ATMEYA 2026! 🏆



With outstanding teamwork, determination, and sporting spirit, our students showcased their talent across various sporting events and brought home the championship trophy.



A proud moment for CSE — where technology meets talent, teamwork, and triumph! 🏆❤️



Student Achievements

1. Rajendra A



9.41
CGPA



Has secured the highest CGPA of **9.41** in the institute during the program year 2022–2026.

He will be honoured with the **Pranam Merit Award** for being the **College Topper**.



Has secured the highest CGPA of **9.41** in the Computer Science & Engineering stream during the program year 2022–2026.



Will be honoured with the **SkillTech Merit Award** for being the **Branch Topper**.



Has secured the highest CGPA of **9.41** among boy students in the Computer Science & Engineering stream during the program year 2022–2026.



Will be honoured with the **Shiva Madhappa and Parvathamma Memorial Award** for being the CSE Boy Topper.



Congratulations Rajendra A!

2. Roopashree K N Nayak



9.35
CGPA



Has secured the highest CGPA of **9.35** among girl students in the Computer Science & Engineering stream during the program year 2022–2026.



Will be honoured with the **Shiva Madhappa and Parvathamma Memorial Award** for being the CSE Girl Topper.



Congratulations Roopashree K N Nayak!



Achievement Alert

The Department of Computer Science & Engineering



The Department of Computer Science & Engineering is proud to share that our talented students “Md Fakruddin S” and “Mayank M” (Dept. of CSE), along with “Sanjan B M” (Dept. of AI-ML), as part of Team “Rizz_Coders”, have brought laurels to the college by securing **First Place** 🏆 at the “National Level Hackathon” – HackFusion 1.0, held at MIT Mysore-Belavadi.



Among **400+** brilliant participants from across the country, our students stood out with their innovative project – **Admission & Enrollment Automation System**, which streamlines student admissions by automating document verification, eligibility checks, and enrollment workflows using AI and secure databases. 🚀 Beyond coding and problem-solving, Team “Rizz_Coders” also shared memorable moments of collaboration and camaraderie, including late-night brainstorming and singing sessions with fellow participants, making this journey truly unforgettable.



Technical Events

YUGMA Tech Fest 2025

The students of the Department of Computer Science and Engineering proudly participated in the Technical Treasure Hunt at YUGMA Tech Fest 2025, organized by Jawaharlal Nehru New College of Engineering (JNNCE), Shivamogga.



The event challenged participants with technical puzzles, logical reasoning, and problem-solving tasks.



Our students demonstrated exceptional analytical thinking, teamwork, and technical knowledge throughout the competition.



Competing against teams from various engineering institutions, they showcased remarkable dedication and enthusiasm. Their consistent performance earned them a place in the Final Round of the competition.

This achievement reflects the department's commitment to fostering innovation and technical excellence. The experience provided valuable exposure to real-world problem-solving and collaborative learning. The CSE Department congratulates the students on this commendable accomplishment and wishes them continued success in their future technical endeavors.

RIFT26 – 24 Hour Hackathon

The students of the Department of Computer Science and Engineering enthusiastically participated in **RIFT26**, a 24-Hour Hackathon organized by Physics Wallah (PWIOI), Bengaluru.



The event brought together innovative minds from various institutions to develop creative and impactful technology-driven solutions.



Our students demonstrated exceptional coding skills, teamwork, and innovative thinking while working continuously throughout the hackathon.



The competition provided valuable exposure to real-world problem-solving, rapid prototyping, and collaborative development.



Their participation enhanced their technical expertise and encouraged a spirit of innovation and perseverance.

The CSE Department congratulates the students for their dedicated efforts and wishes them continued success in future hackathons and technical competitions.





Student Achievements



Tech Tatva – 1st Prize

(In-House Technical Event, ATME College of Engineering)

The students of the Department of Computer Science and Engineering secured the **First Prize** in the **Tech Tatva** competition conducted as part of the in-house technical event at ATME College of Engineering, Mysuru. The competition provided a platform for students to showcase their technical knowledge, creativity, and innovative thinking.

Competing against talented teams from various departments, our students displayed exceptional problem-solving abilities, teamwork, and presentation skills. Their achievement reflects the department's commitment to excellence and innovation. The CSE Department congratulates the winners and wishes them continued success in their future academic and technical endeavors.



First Prize – Visionaries Expo

GSSS Institute of Engineering and Technology for Women

The students of the Department of Computer Science and Engineering brought laurels to the department by securing the **First Prize at the Visionaries Expo** organized by **GSSS Institute of Engineering and Technology for Women (GSSSIETW), Mysuru**. The expo provided a platform for students to present innovative project ideas and technological solutions to real-world challenges. Competing against participants from various institutions, our students impressed the judges with their creativity, technical expertise, and effective presentation. Their outstanding performance earned them the top position in the competition. This remarkable achievement reflects the department's commitment to fostering innovation, research, and technical excellence. The CSE Department congratulates the winners and wishes them continued success in their future endeavors.





TECH TREK @ ATME

The Department of Computer Science and Engineering at ATME College of Engineering, Mysuru, successfully organized a two-day intercollegiate technical event titled **"TECH TREK @ ATME"** on 28th and 29th April 2026 under the CSI Student Chapter. The event aimed to provide students with a platform to showcase their technical skills, creativity, innovation, teamwork, and problem-solving abilities through various technical and non-technical competitions.

The event was organized to encourage experiential learning, technical exposure, and collaborative participation among students from different institutions. The competitions and activities conducted during the event focused on enhancing analytical thinking, communication skills, coding abilities, innovation, and team coordination.

The event witnessed enthusiastic participation from students across various colleges and received an overwhelming response from participants, faculty coordinators, and student volunteers.

Objectives of the Event

The event was organized with the following objectives:

01

To provide a platform for students to showcase technical and innovative skills.



02

To encourage intercollegiate collaboration and healthy technical competition.



03

To enhance teamwork, communication, leadership, and analytical abilities.



04

To promote participation in CSI-related academic and technical activities.



05

To encourage innovative thinking and problem-solving approaches.



06

To bridge the gap between academic learning and practical exposure.



07

To improve student confidence through active participation and competitive learning.





Industrial Visit



Date of Visit:
21st April 2026



Location:
Goavega Software
India Pvt. Ltd., Bengaluru



Organized by:
Department of Computer
Science and Engineering

The Department of Computer Science and Engineering organized an enriching Industrial Visit to Goavega Software India Pvt. Ltd., a leading AI-driven product engineering company located in Bengaluru, on 21st April 2026. This visit aimed to bridge the gap between theoretical knowledge and real-world industry practices, and to expose students to the latest advancements in the field of Artificial Intelligence and software engineering.

Goavega specializes in cutting-edge areas such as Agentic AI, Generative AI, Data Engineering, and Cloud technologies. The visit offered students a firsthand look at how these technologies are being applied to solve real-world problems across multiple industry sectors. This report presents a comprehensive account of the visit, the activities conducted, and the key learnings gained from the experience.





Five Days FDP on

“Cloud Computing & Cloud Security: Architectures, Technologies and Best Practices”



Event Name:

Faculty Development Program (FDP)



Organized by:

Department of Computer Science & Engineering

Department of CSE – AI & ML

Department of Cyber Security



About the FDP

The Five-Day Faculty Development Program (FDP) on “Cloud Computing & Cloud Security: Architectures, Technologies and Best Practices” was organized by the Department of Computer Science & Engineering, Department of CSE (AI & ML), and Department of Cyber Security at ATME College of Engineering, Mysuru, from 16th February 2026 to 20th February 2026.

The FDP aimed to provide in-depth knowledge of cloud computing fundamentals, service and deployment models, virtualization, containerization, cloud-native architectures, and comprehensive cloud security mechanisms. The program emphasized secure cloud design, identity and access management, encryption, compliance, DevSecOps practices, and privacy-preserving AI in distributed cloud environments.



Objectives of the FDP

-  To provide a strong foundation in cloud computing architectures and service models.
-  To familiarize participants with major cloud platforms and cloud-native technologies.
-  To enhance understanding of cloud security threats, risks, compliance, and mitigation techniques.
-  To provide hands-on exposure to cloud provisioning, IAM implementation, and secure configurations.
-  To bridge the gap between academia and industry through expert sessions and case studies.





Outcomes of the FDP



01



Enhanced knowledge of cloud computing and deployment architectures.

02



Practical understanding of virtualization, containers, and cloud-native systems.

03



Hands-on experience in implementing IAM policies and secure cloud configurations.

04



Exposure to encryption, key management, and secure communication protocols.

05



Insight into emerging research areas such as Federated Learning and Privacy-Preserving AI.

06



Strengthened interdisciplinary collaboration among CSE, AI & ML, and Cyber Security faculty.



Mellahalli, Karnataka, India
8q8f+43q, Mellahalli, Karnataka 570028, India
Lat 12.315421° Long 76.773052°
Monday, 16/02/2026 10:37 AM GMT +05:30



Mellahalli, Karnataka, India
8q8f+43q, Mellahalli, Karnataka 570028, India
Lat 12.315558° Long 76.772856°
Monday, 16/02/2026 10:41 AM GMT +05:30



Toppers List

AY 2025-2026
(Odd Sem)



3rd Semester

Sl. No	USN	Name of the Student	SGPA
1	4AD24CS123	SANJANA R D	9.48
2	4AD24CS155	VARSHA A	9.48
3	4AD24CS146	THANUSHA B S	9.33
4	4AD24CS154	VAISHNAVI R	9.33
5	4AD24CS102	NISHCHITHA M	9.33



5th Semester

Sl. No	USN	Name of the Student	SGPA
1	4AD23CS107	SUHANA S	9.64
2	4AD23CS030	DHANUSH H	9.45
3	4AD23CS053	KISHORE S V	9.32
4	4AD23CS094	S LANCHANA	9.14
5	4AD23CS006	ADITYA DEEKSHITH H	9.14



7th Semester

Sl. No	USN	Name of the Student	SGPA
1	4AD22CS062	N K DEEPIKA	9.42
2	4AD22CS041	KALPANA LAHARI B	9.38
3	4AD22CS089	RAKSHITHA B S	9.38
4	4AD22CS100	SHIVASHANKARA MURTHY M	9.38
5	4AD22CS022	CHETHAN H M	9.38



Toppers List

AY 2025-2026 (Even Sem)



4th Semester

Sl. No	USN	Name of the Student	SGPA
1	4AD24CS154	VAISHNAVI R	9.74
2	4AD24CS140	SUHA KHAN	9.58
3	4AD24CS146	THANUSHA B S	9.53
4	4AD24CS123	SANJANA R D	9.47
5	4AD24CS135	SNEHA	9.47



6th Semester

Sl. No	USN	Name of the Student	SGPA
1	4AD23CS016	ANUSHA R	9.78
2	4AD23CS010	AMANISHA MANHAS	9.61
3	4AD23CS022	BHOOMIKA N R	9.44
4	4AD23CS118	YASHASWINI R	9.39
5	4AD23CS094	S LANCHANA	9.39



8th Semester

Sl. No	USN	Name of the Student	SGPA
1	4AD22CS120	UMME KULSUM	10.00
2	4AD22CS019	CHANDANA M R	10.00
3	4AD22CS089	RAKSHITHA B S	10.00
4	4AD22CS115	TEJASHWINI	10.00
5	4AD22CS046	MAHADEVAPRASAD	10.00





Post-Quantum Cryptography: The Future of Digital Security

What happens when the computers of tomorrow become strong enough to break the security of today?



Imagine your house has a very strong lock. You trust it because nobody has been able to break it for years. Suddenly, someone invents a powerful machine that can open that lock in seconds. What would you do?

You would change the lock.
The same idea applies to the digital world.



Today, cryptography protects almost everything we do online. When we send a private message, make an online payment, log in to a website, or store important information in the cloud, encryption helps keep our data safe. Algorithms such as RSA and Elliptic-Curve Cryptography (ECC) are widely used to protect digital communication.



But a new technology called Quantum Computing could change the situation. Normal computers use bits represented by 0 or 1. Quantum computers use qubits, which work according to the principles of quantum physics. For certain mathematical problems, powerful quantum computers could solve problems much faster than today's computers.



This creates a future security challenge:

Current Encryption → Quantum Computer → Security Risk



Meet Post-Quantum Cryptography

Post-Quantum Cryptography (PQC) is the development of new encryption methods designed to remain secure even against powerful quantum computers. Think of it as building a new digital lock before the old lock can be broken. One important approach is lattice-based cryptography, which uses difficult mathematical problems involving structures called lattices. Other approaches use hash functions and different mathematical techniques.

In 2024, the U.S. National Institute of Standards and Technology (NIST) finalized three major post-quantum cryptography standards: ML-KEM, ML-DSA, and SLH-DSA. These standards are helping organizations prepare for a future where quantum computers may threaten current public-key cryptography.



Why Start Now?

There is a clever problem called **"Harvest Now, Decrypt Later."**

An attacker could collect encrypted information today, even if they cannot read it now. They could store it and try to decrypt it years later when powerful quantum computers become available.

It is like saying, "I can't open this box today, so I'll keep it until I get a better key-breaking machine."

That is why cybersecurity experts are already working on quantum-resistant security.





A Safer Digital Future



Quantum computing is not something we should fear. It has enormous potential in science, medicine, optimization, and many other areas.



But just as technology becomes more powerful, security must become smarter too.



Post-Quantum Cryptography is essential by preparing our digital world for the next generation of computing.



Today's encryption protects our information. Tomorrow's encryption must protect it from tomorrow's computers.



Remember:

“The best time to change a lock is not after someone breaks it — it is before they learn how to open it.”

That is the idea behind Post-Quantum Cryptography.



Ms. B S Vanishree

Assistant Professor,
Dept. of CSE,
ATMECE, Mysuru.





ಎಐ ಯುಗದಲ್ಲಿ ತಾಂತ್ರಿಕ ಶಿಕ್ಷಣ: ಸವಾಲುಗಳು ಮತ್ತು ಪರಿಹಾರಗಳು

ಒಂದು ಕಾಲವಿತ್ತು. ಎಂಜಿನಿಯರಿಂಗ್ ಸೀಟು ಸಿಕ್ಕರೆ ಸಾಕು, ಜೀವನ ಪೂರ್ಣ ನಿಶ್ಚಿತೆ ಎಂಬ ಭಾವನೆ ಇತ್ತು. ಈಗ ಆ ಕಾಲ ಮುಗಿದಿದೆ. ಇಂದು ಎಂಜಿನಿಯರಿಂಗ್ ಪದವಿ ಪಡೆದವನಿಗೂ ರಾತ್ರಿ ನಿದ್ರೆ ಬರುತ್ತಿಲ್ಲ. ಯಾಕೆಂದರೆ ಅವನ ಪಕ್ಕದಲ್ಲಿ ಈಗ ಒಂದು ಹೊಸ ಸ್ಪರ್ಧಿ ಕುಳಿತಿದೆ ಅದರ ಹೆಸರು ಕೃತಕ ಬುದ್ಧಿಮತ್ತೆ, ಅಂದರೆ ಎಐ.

ನಾನು ಪ್ರತಿದಿನ ಕ್ಲಾಸ್ ರೂಮಿನಲ್ಲಿ ವಿದ್ಯಾರ್ಥಿಗಳ ಮುಖ ನೋಡುತ್ತೇನೆ. ಅವರ ಕಣ್ಣುಗಳಲ್ಲಿ ಒಂದು ಪ್ರಶ್ನೆ ಇದೆ - "ಸರ್, ನಾವು ಕಲಿಯುತ್ತಿರುವುದೆಲ್ಲ ನಾಳೆ ಎಐ ಮಾಡಿಬಿಡುತ್ತದಂತೆ, ಮತ್ತೆ ನಾವ್ಯಾಕೆ ಕಲಿಯಬೇಕು?" ಈ ಪ್ರಶ್ನೆಗೆ ಉತ್ತರ ಕೊಡುವುದೇ ಇಂದಿನ ಶಿಕ್ಷಕರ ಮುಂದಿರುವ ದೊಡ್ಡ ಸವಾಲು.

ಕಾಲ ಬದಲಾಗಿದೆ, ಪಠ್ಯಕ್ರಮ ಬದಲಾಗಿಲ್ಲ

ನಮ್ಮ ವಿಶ್ವವಿದ್ಯಾಲಯಗಳ ಪಠ್ಯಕ್ರಮ ಇನ್ನೂ ಹತ್ತು ವರ್ಷ ಹಿಂದಿನ ಕಾಲದಲ್ಲೇ ಇದೆ. ಒಂದು ಸಿಲಬಸ್ ರಚನೆಯಾಗಿ ಅನುಮೋದನೆ ಸಿಗುವ ಹೊತ್ತಿಗೆ, ಆ ವಿಷಯ ಈಗಾಗಲೇ ಹಳೆಯದಾಗಿ ಹೋಗಿರುತ್ತದೆ. ಚಾಟ್ ಜಿಪಿಟಿ ಬಂದು ಮೂರು ವರ್ಷವಾಯಿತು, ಆದರೆ ಇನ್ನೂ ಎಷ್ಟೋ ಕಾಲೇಜುಗಳಲ್ಲಿ "ಪ್ರಾಂಪ್ಟ್ ಎಂಜಿನಿಯರಿಂಗ್" ಎಂಬ ಪದವನ್ನೇ ಕೇಳಿರದ ಅಧ್ಯಾಪಕರಿದ್ದಾರೆ. ಇದು ಯಾರ ತಪ್ಪೋ ಅಲ್ಲ, ಇದು ವ್ಯವಸ್ಥೆಯ ವೇಗದ ಸಮಸ್ಯೆ. ತಂತ್ರಜ್ಞಾನ ಓಡುತ್ತಿದೆ, ನಮ್ಮ ಶಿಕ್ಷಣ ವ್ಯವಸ್ಥೆ ನಡೆಯುತ್ತಿದೆ. ಈ ಅಂತರವೇ ಇಂದಿನ ಬಿಕ್ಕಟ್ಟಿನ ಮೂಲ.

ಮೊದಲ ಸವಾಲು: ಮಾಹಿತಿ ಬೇಡ, ಬುದ್ಧಿಮತ್ತೆ ಬೇಕು

ಇಲ್ಲಿಯವರೆಗೆ ನಮ್ಮ ಶಿಕ್ಷಣ ವ್ಯವಸ್ಥೆ "ಮಾಹಿತಿ ತುಂಬುವ" ಕೆಲಸ ಮಾಡುತ್ತಿತ್ತು. ಪುಸ್ತಕ ಓದಿ, ಬಾಯಿಪಾಠ ಮಾಡಿ, ಪರೀಕ್ಷೆಯಲ್ಲಿ ಕಾರಿ ಬಿಡಿ ಎಂಬುದೇ ಸೂತ್ರವಾಗಿತ್ತು. ಆದರೆ ಇಂದು ಯಾವುದೇ ಮಾಹಿತಿ ಬೇಕಿದ್ದರೂ ಒಂದು ಪ್ರಶ್ನೆ ಕೇಳಿದರೆ ಸಾಕು, ಎಐ ಕ್ಷಣಾರ್ಧದಲ್ಲಿ ಕೊಟ್ಟುಬಿಡುತ್ತದೆ. ಹಾಗಾದರೆ ವಿದ್ಯಾರ್ಥಿಗೆ ಮಾಹಿತಿ ನೆನಪಿಟ್ಟುಕೊಳ್ಳುವ ಕೌಶಲ್ಯ ಯಾಕೆ ಬೇಕು?

ನಿಜವಾದ ಪ್ರಶ್ನೆ ಇರುವುದೇ ಇಲ್ಲಿ. ಇನ್ನುಂದೆ ಬೇಕಿರುವುದು ಮಾಹಿತಿಯ ಸಂಗ್ರಹವಲ್ಲ, ಆ ಮಾಹಿತಿಯನ್ನು ವಿಶ್ಲೇಷಿಸುವ, ಪ್ರಶ್ನಿಸುವ, ಸೂಕ್ತ ನಿರ್ಣಯ ತೆಗೆದುಕೊಳ್ಳುವ ಸಾಮರ್ಥ್ಯ, ಎಐ ಉತ್ತರ ಕೊಡಬಲ್ಲದು, ಆದರೆ ಸರಿಯಾದ ಪ್ರಶ್ನೆ ಕೇಳುವುದನ್ನು ಕಲಿಸಬೇಕಾದವರು ನಾವು.

ಎರಡನೇ ಸವಾಲು: ನಕಲಿ ಬುದ್ಧಿವಂತಿಕೆಯ ಅಪಾಯ

ಇಂದು ಎಷ್ಟೋ ವಿದ್ಯಾರ್ಥಿಗಳು ಅಸೈನ್‌ಮೆಂಟ್ ಬರೆಯುವಾಗಲೂ, ಪ್ರಾಜೆಕ್ಟ್ ಮಾಡುವಾಗಲೂ ಎಐ ಬಳಸುತ್ತಾರೆ. ತಪ್ಪೇನಿಲ್ಲ, ಆದರೆ ಪ್ರಶ್ನೆ ಇರುವುದು ಅವರು ಎಐ ಕೊಟ್ಟಿದ್ದನ್ನು ಅರ್ಥ ಮಾಡಿಕೊಳ್ಳುತ್ತಾರೆಯೇ, ಅಥವಾ ಬರೀ ನಕಲು ಮಾಡುತ್ತಾರೆಯೇ ಎಂಬುದು. ಎಷ್ಟೋ ಬಾರಿ ಕೋಡ್ ಬರೆದುಕೊಟ್ಟ ವಿದ್ಯಾರ್ಥಿಗೆ ಅದೇ ಕೋಡ್ ಒಂದು ಸಾಲಿನ ಬಗ್ಗೆ ಪ್ರಶ್ನಿಸಿದರೆ ಮುಖ ಬಿಳಿಬಿಳಿಹೊಕ್ಕುತ್ತದೆ. ಇದು ಅಪಾಯಕಾರಿ ಪ್ರವೃತ್ತಿ.

ಎಐ ಒಂದು ಸಹಾಯಕ, ಗುರುವಲ್ಲ, ಬದಲಿ ಮಿದುಳಂತೂ ಅಲ್ಲವೇ ಅಲ್ಲ. ಇದನ್ನು ವಿದ್ಯಾರ್ಥಿಗಳ ತಲೆಗೆ ಹೊಕ್ಕಿಸುವುದೇ ನಮ್ಮ ಮೊದಲ ಕರ್ತವ್ಯ.



ಮೂರನೇ ಸವಾಲು: ಉದ್ಯೋಗದ ಚಿತ್ರಣವೇ ಬದಲಾಗಿದೆ

ಹಿಂದೆ ಕಂಪನಿಗಳಿಗೆ ಕೋಡ್ ಬರೆಯುವ ಕೈಗಳು ಬೇಕಿದ್ದವು. ಈಗ ಎಐ ಕೋಡ್ ಬರೆಯುತ್ತದೆ, ಟೆಸ್ಟ್ ಮಾಡುತ್ತದೆ, ಡಾಕ್ಯುಮೆಂಟ್ ಮಾಡುತ್ತದೆ. ಎಂಟ್ರಿ ಲೆವೆಲ್ ಉದ್ಯೋಗಗಳ ಸಂಖ್ಯೆ ಕುಸಿಯುತ್ತಿದೆ ಎಂಬ ವರದಿಗಳು ಬರುತ್ತಿವೆ. ಕ್ಯಾಂಪಸ್ ಪ್ಲೇಸ್‌ಮೆಂಟ್‌ಗಳಲ್ಲಿ ಈ ಬದಲಾವಣೆ ಈಗಾಗಲೇ ಕಾಣಿಸುತ್ತಿದೆ. ಆದರೆ ಇದೇ ಸಮಯದಲ್ಲಿ ಹೊಸ ಬಗೆಯ ಉದ್ಯೋಗಗಳೂ ಹುಟ್ಟುತ್ತಿವೆ - ಎಐ ಮಾದರಿ ತರಬೇತಿ ನೀಡುವವರು, ಡೇಟಾ ಎಂಜಿನಿಯರ್‌ಗಳು, ಎಐ ನೀತಿಶಾಸ್ತ್ರ ತಜ್ಞರು. ಸಮಸ್ಯೆ ಏನೆಂದರೆ, ನಮ್ಮ ಕಾಲೇಜುಗಳು ಈ ಹೊಸ ಕ್ಷೇತ್ರಗಳಿಗೆ ವಿದ್ಯಾರ್ಥಿಗಳನ್ನು ಸಿದ್ಧಪಡಿಸುತ್ತಿಲ್ಲ.

ನಾಲ್ಕನೇ ಸವಾಲು: ಶಿಕ್ಷಕರ ಸ್ವಂತ ಹಿಂಜರಿಕೆ

ಇದನ್ನು ನಾನು ಪ್ರಾಮಾಣಿಕವಾಗಿ ಒಪ್ಪಿಕೊಳ್ಳಬೇಕು. ಎಷ್ಟೋ ಅಧ್ಯಾಪಕರಿಗೆ ಎಐ ಬಗ್ಗೆ ಭಯ ಇದೆ. ಅದನ್ನು ಕಲಿಯುವುದಿರಲಿ, ಅದನ್ನು ಒಪ್ಪಿಕೊಳ್ಳುವುದಕ್ಕೂ ಹಿಂಜರಿಕೆ. "ನಾನು ಮೂವತ್ತು ವರ್ಷದಿಂದ ಪಾಠ ಮಾಡುತ್ತಿದ್ದೇನೆ, ಈಗ ಈ ಹೊಸ ವಿಷಯ ಯಾಕೆ ಕಲಿಯಬೇಕು" ಎಂಬ ಧೋರಣೆ ಅಪಾಯಕಾರಿ. ವಿದ್ಯಾರ್ಥಿಗಳಿಗಿಂತ ಒಂದು ಹೆಜ್ಜೆ ಮುಂದೆ ಇರಬೇಕಾದ ಶಿಕ್ಷಕ, ಇಂದು ಒಂದು ಹೆಜ್ಜೆ ಹಿಂದೆ ಉಳಿದರೆ ಗತಿ ಏನು?

ಈಗ ಪರಿಹಾರದ ಕಡೆಗೆ ಬರೋಣ

ಸಮಸ್ಯೆ ಪಟ್ಟಿ ಮಾಡುವುದು ಸುಲಭ. ಆದರೆ ಪರಿಹಾರ ಕೊಡುವುದೇ ನಿಜವಾದ ಕೆಲಸ. ನನ್ನ ಅನುಭವದಿಂದ ಕೆಲವು ಸ್ಪಷ್ಟ ಮಾರ್ಗಗಳಿವೆ ಎಂದು ನಂಬಿದ್ದೇನೆ.

ಪಠ್ಯಕ್ರಮ ಜೀವಂತವಾಗಿರಬೇಕು

ಪ್ರತಿ ವರ್ಷ ಸಿಲಬಸ್ ಪರಿಷ್ಕರಣೆಗೆ ಕಾಯುವ ಬದಲು, ಪ್ರತಿ ಸೆಮಿಸ್ಟರ್‌ಗೆ ಒಂದು "ಲಿವಿಂಗ್ ಮಾಡ್ಯೂಲ್" ಸೇರಿಸಬೇಕು - ಪ್ರಸ್ತುತ ತಂತ್ರಜ್ಞಾನದ ಬೆಳವಣಿಗೆಗಳನ್ನು ಚರ್ಚಿಸುವ, ಅಪ್‌ಡೇಟ್ ಮಾಡುವ ಒಂದು ಸ್ವತಂತ್ರ ಘಟಕ. ಇದಕ್ಕೆ ಯಾವುದೇ ಸರ್ಕಾರಿ ಅನುಮೋದನೆ ಕಾಯಬೇಕಿಲ್ಲ, ಇಲಾಖೆಯ ಮಟ್ಟದಲ್ಲೇ ಜಾರಿಗೆ ತರಬಹುದು.

ಕಲಿಕೆಯ ಮೌಲ್ಯಮಾಪನ ಬದಲಾಗಬೇಕು

ಎಐ ಕಾಲದಲ್ಲಿ ಬರೀ ಬರೆಯುವ ಪರೀಕ್ಷೆ ಸಾಕಾಗುವುದಿಲ್ಲ. ಮೌಖಿಕ ಪರೀಕ್ಷೆ, ಪ್ರಾಜೆಕ್ಟ್ ಪ್ರಸ್ತುತಿ, ಲೈವ್ ಕೋಡಿಂಗ್ ಮೌಲ್ಯಮಾಪನ - ಇವುಗಳಿಗೆ ಹೆಚ್ಚಿನ ಪ್ರಾಶಸ್ತ್ಯ ನೀಡಬೇಕು. ವಿದ್ಯಾರ್ಥಿ ನಿಜಕ್ಕೂ ಎಷ್ಟು ಅರ್ಥ ಮಾಡಿಕೊಂಡಿದ್ದಾನೆ ಎಂಬುದು ಮುಖಾಮುಖಿ ಚರ್ಚೆಯಲ್ಲಿ ಮಾತ್ರ ಗೊತ್ತಾಗುತ್ತದೆ.



ಎಐ ಜೊತೆ ಸ್ನೇಹ, ಆದರೆ ಗುಲಾಮಗಿರಿ ಅಲ್ಲ

ಎಐ ಬಳಕೆಯನ್ನು ನಿಷೇಧಿಸುವ ಬದಲು, ಅದನ್ನು ಸರಿಯಾಗಿ ಬಳಸುವ ಕಲೆಯನ್ನು ಕಲಿಸಬೇಕು. ಪ್ರಾಂಪ್ಟ್ ಎಂಜಿನಿಯರಿಂಗ್, ಎಐ ಔಟ್‌ಪುಟ್‌ನ ಸತ್ಯಾಸತ್ಯತೆ ಪರೀಕ್ಷಿಸುವುದು, ಎಐ ಜೊತೆ ಕೆಲಸ ಮಾಡುತ್ತಲೇ ಸ್ವಂತ ಆಲೋಚನೆ ಉಳಿಸಿಕೊಳ್ಳುವುದು - ಇವೆಲ್ಲ ಇಂದಿನ ಪಠ್ಯಕ್ರಮದ ಅವಿಭಾಜ್ಯ ಅಂಗವಾಗಬೇಕು.

ಶಿಕ್ಷಕರ ನಿರಂತರ ತರಬೇತಿ

ಪ್ರತಿ ಕಾಲೇಜಿನಲ್ಲಿ ಪ್ರತಿ ಮೂರು ತಿಂಗಳಿಗೊಮ್ಮೆ ಎಐ ಕುರಿತ ಕಾರ್ಯಾಗಾರ ಕಡ್ಡಾಯವಾಗಬೇಕು. ಇದು ಔಪಚಾರಿಕತೆಗಾಗಿ ಅಲ್ಲ, ನಿಜವಾದ ಕಲಿಕೆಗಾಗಿ. ಶಿಕ್ಷಕ ಕಲಿಯದೆ ವಿದ್ಯಾರ್ಥಿಗೆ ಕಲಿಸಲಾರ, ಇದು ಶತಮಾನಗಳ ಸತ್ಯ.

ಉದ್ಯಮ ಮತ್ತು ಶಿಕ್ಷಣ ಸಂಸ್ಥೆಗಳ ನಡುವಿನ ಸೇತುವೆ

ಕಾಲೇಜುಗಳು ಒಂಟಿಯಾಗಿ ಕೂತು ಪಠ್ಯಕ್ರಮ ರೂಪಿಸಬಾರದು. ಉದ್ಯಮದ ಜೊತೆ ನಿರಂತರ ಸಂವಾದ ಇರಬೇಕು. ಇಂದು ಉದ್ಯಮಕ್ಕೆ ಯಾವ ಕೌಶಲ್ಯ ಬೇಕು ಎಂಬುದನ್ನು ನೇರವಾಗಿ ಕೇಳಿ, ಅದನ್ನೇ ಪಠ್ಯದಲ್ಲಿ ಅಳವಡಿಸಬೇಕು.

ನೈತಿಕತೆಯ ಪಾಠ ಮರೆಯಬಾರದು

ತಂತ್ರಜ್ಞಾನ ಎಷ್ಟೇ ಮುಂದುವರಿದರೂ, ಅದನ್ನು ಬಳಸುವ ಮನುಷ್ಯನ ಮೌಲ್ಯಗಳು ಸ್ಥಿರವಾಗಿರಬೇಕು. ಎಐ ದುರ್ಬಳಕೆ, ಡೀಪ್‌ಫೇಕ್, ಸೈಬರ್ ಅಪರಾಧ ಇವೆಲ್ಲದರ ಬಗ್ಗೆ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಜಾಗೃತಿ ಮೂಡಿಸುವುದೂ ತಾಂತ್ರಿಕ ಶಿಕ್ಷಣದ ಭಾಗವೇ ಆಗಬೇಕು.

ಕೊನೆಯ ಮಾತು

ಎಐ ಬಂತೆಂದು ಎಂಜಿನಿಯರಿಂಗ್ ಶಿಕ್ಷಣ ಮುಗಿದುಹೋಗುವುದಿಲ್ಲ. ಬದಲಿಗೆ, ಅದು ಹೊಸ ರೂಪ ಪಡೆಯುತ್ತಿದೆ. ಟೈಪ್ ರೈಟರ್ ಹೋಗಿ ಕಂಪ್ಯೂಟರ್ ಬಂದಾಗಲೂ ಇಂಥದ್ದೇ ಭಯ ಇತ್ತು. ಕ್ಯಾಲ್ಕುಲೇಟರ್ ಬಂದಾಗಲೂ "ಮಕ್ಕಳ ಗಣಿತ ಕೌಶಲ್ಯ ಹಾಳಾಗುತ್ತದೆ" ಎಂಬ ಆತಂಕ ಇತ್ತು. ಪ್ರತಿ ಬಾರಿಯೂ ಮನುಷ್ಯ ಹೊಸ ಸಾಧನಕ್ಕೆ ಹೊಂದಿಕೊಂಡ, ಅದನ್ನು ತನ್ನ ಬಲವಾಗಿ ಮಾಡಿಕೊಂಡ. ಎಐ ಯುಗದಲ್ಲೂ ಇದೇ ಆಗಬೇಕು. ಆದರೆ ಇದಕ್ಕೆ ವೇಗ ಬೇಕು, ಇಚ್ಛಾಶಕ್ತಿ ಬೇಕು. ಕಾಲೇಜುಗಳು ಕೂತು ಕಾಯಬಾರದು, ಸರ್ಕಾರದ ಆದೇಶಕ್ಕಾಗಿ ಕಾಯುತ್ತಾ ಕೂರಬಾರದು. ಬದಲಾವಣೆ ಇಂದೇ ಶುರುವಾಗಬೇಕು, ಈ ಕ್ಷಣದಿಂದಲೇ.

ನಾಳೆಯ ಎಂಜಿನಿಯರ್ ಎಐ ಜೊತೆ ಸ್ಪರ್ಧಿಸುವವನಾಗಬಾರದು, ಎಐ ಜೊತೆ ಕೈಜೋಡಿಸಿ ಮುನ್ನಡೆಯುವವನಾಗಬೇಕು. ಇದನ್ನು ಸಾಧ್ಯವಾಗಿಸುವುದೇ ಇಂದಿನ ತಾಂತ್ರಿಕ ಶಿಕ್ಷಣದ ಅಸಲಿ ಜವಾಬ್ದಾರಿ.



Dr. J V Gorabal

Professor , Dept. CSE ATME