



|| Om Shree Manjunathaya Namaha ||

MMK & SDM MAHILA MAHA VIDYALAYA

Krishnamurthypuram, J.L.B Road, Mysuru - 570 004

Managed by SDME Society (R.) Ujire

(Affiliated to University of Mysore, Mysuru-NAAC Accredited with 'B' Grade)



Vision : Empowerment of Women to face the Global Challenges



Department Vision : Technology to Empower Women

August 2026

Department of Computer Science

Issue - 30



Prof. N. Bharathi
Principal

Faculty Editors
Smt. Amulya S. Chandru
Ms. Rajeshwari N.

Smt.. K.S. Sukrutha
HOD, Dept of Computer Science
Chief Editor

Student Editors
Akanksha L. Bharadwaj - III BCA
Akshatha N. - III BCA



It gives me great pleasure to welcome you to the latest edition of GI Talk, the bi-annual newsletter of the Computer Science Department.

Our Institution is committed to providing students with a strong foundation in computer science while encouraging them to explore emerging and specialized fields such as Artificial Intelligence, Data Science, Machine Learning, and Cybersecurity. GI Talk reflects this spirit of learning and exploration through an engaging collection of quizzes, riddles, puzzles, articles, and creative contributions that encourage curiosity, critical thinking, and problem-solving. The newsletter also serves as a platform to keep students and other faculty members informed about departmental activities, events, accomplishments, and important developments.

In today's rapidly changing technological world, staying informed and adapting to new trends is more important than ever. Our dedicated faculty members, with their knowledge, experience, and enthusiasm, continue to guide students through the ever-evolving landscape of technology. Their mentorship helps students develop the skills, confidence, and knowledge required to meet the challenges of the digital era.

We are proud of the achievements of our students, many of whom have earned internships and placement opportunities with leading technology companies. At the same time, our faculty members continue to contribute to the academic community through research published in reputed national and international journals. These accomplishments reflect the department's continued commitment to academic and professional excellence.

As we look ahead, I encourage all students to make the most of the opportunities provided by the department. Workshops, hackathons, coding competitions, seminars, and other extracurricular activities offer valuable avenues to develop technical expertise, creativity, teamwork, and leadership skills. Let us continue to learn, innovate, collaborate, and challenge ourselves to explore new possibilities in the field of computer science.

"Innovation distinguishes between a leader and a follower."

- Steve Jobs

Prof. N. Bharathi
Principal



It gives me immense pleasure to present the **30th Edition of GI Talk**, the newsletter of the Department of Computer Science. Reaching this milestone is a moment of pride and reflection. What began as a platform to share the academic interests, creativity and achievements of our students and faculty has evolved into a meaningful space reflecting the vibrant spirit of our department.

Computer Science is constantly evolving, with Artificial Intelligence, data-driven technologies, cybersecurity, cloud computing and emerging digital innovations transforming the way we learn, work and solve problems. In this rapidly changing landscape, our students are not merely learners but emerging creators, innovators and responsible digital citizens. GI Talk provides them a platform to express ideas, share knowledge, showcase creativity and celebrate achievements.

As we move forward, I encourage our students to remain curious, courageous in experimentation, ethical in using technology and compassionate in applying it for the betterment of society. The ability to adapt, think critically, innovate responsibly and continue learning will be the true measure of success. We express our profound gratitude to our revered President, **Poojya Dr. D. Veerendra Heggadeji**, whose visionary leadership and commitment to education inspire us to strive for excellence. We also sincerely thank our Management and beloved Principal, **Prof. N. Bharathi**, for their constant encouragement and support.

My heartfelt appreciation goes to the editors, contributors and everyone who worked dedicatedly to bring this milestone edition to fruition. May GI Talk continue to inspire young minds, celebrate talent and connect knowledge with creativity and purpose.

"Let us learn with curiosity, innovate with responsibility and move forward with confidence".

-Albert Einstein

Smt. K.S. Sukrutha
Associate Professor & Head
Department of Computer Science

Digital India and Cyber Security



The Digital India initiative represents India's vision to transform into a digitally empowered society by using technology to deliver services efficiently and transparently. From digital payments and online governance to cloud-based services, digital platforms now play a central role in everyday life. However, the success of this transformation depends heavily on cybersecurity, which ensures that digital systems remain safe, reliable, and trustworthy.

Digital India : Enabling a Connected Nation:

Digital India focuses on creating digital infrastructure, providing online services, and empowering citizens through technology. Initiatives such as UPI, Aadhaar, DigiLocker, and e-governance portals have made services faster, more accessible, and paperless. These platforms have increased financial inclusion, improved governance, and connected even remote areas to the digital economy.

Cybersecurity : Protecting the Digital Ecosystem:

As digital usage expands, the risk of cyber threats such as data breaches, online fraud, phishing, and malware also increases. Cybersecurity protects digital systems, networks, and user data from these threats. It ensures confidentiality, integrity, and availability of information, which are essential for maintaining public trust in digital services.

Real-World Example:

Rahul, a young tech-savvy professional, relied heavily on Digital India services for banking,

taxfiling, and digital payments. One evening, he received a perfectly timed email that looked identical to an official government portal notification. Trusting its authenticity, Rahul logged in using the link provided. Within hours, his digital identity was compromised, and unauthorized attempts were made to access his bank and DigiLocker accounts. Sensing something was wrong, Rahul reported the issue through the cybercrime portal. A team of cybersecurity experts quickly stepped in, detected a sophisticated phishing attack, and traced it to an international cybercrime network. They immediately froze suspicious transactions, secured Rahul's digital accounts, and removed malicious access. Through this intervention, Rahul not only recovered his data but also gained critical awareness about cybersecurity threats.

This scenario highlights how modern cybercrimes can be highly deceptive, and how cybersecurity professionals act as digital defenders, ensuring that citizens like Rahul can safely benefit from the Digital India initiative.

How Digital India and Cybersecurity Work Hand in Hand:

Digital India cannot function effectively without strong cybersecurity. Every digital service relies on secure networks, encrypted data, and robust authentication systems to protect users. Digital India and cybersecurity are interdependent. While Digital India drives innovation, inclusion, and efficiency, cybersecurity ensures safety, trust, and sustainability. Together, they create a secure digital environment where citizens can confidently adopt technology. Strengthening cybersecurity alongside digital growth is essential for India's long-term digital success.

Monika S.
II BCA-B

Beyond SpaceX: Who Else Is Building the Space Economy



SpaceX dominates headlines, but a wide field of companies is shaping what comes next in space.

Blue Origin built New Glenn to rival Falcon 9 in payload - it even beats it on paper - and landed a NASA lunar cargo deal worth up to \$468 million. But a May 2026 launchpad explosion grounded the fleet, widening the cadence gap with SpaceX.

Rocket Lab has become the clearest "number two," with a record launch year in 2025 and a strategy of buying up satellite-component makers to offer end-to-end missions, not just launches. Its Neutron rocket is aiming to compete directly with Falcon 9 this year.

A new startup wave - Firefly/Northrop's Eclipse, Relativity Space's 3D-printed Terran R, Stoke Space's reusable Nova, Astra's Rocket 4 - is racing toward first orbital flights, alongside international efforts in Europe, India, and Japan.

Legacy giants like Lockheed Martin and L3Harris stay embedded in government space programs, less visible but still essential - L3Harris's Aerojet Rocketdyne is one of only two U.S. makers of engines for heavy payloads.

On top of the rockets, Amazon's Kuiper is chasing Starlink, AST SpaceMobile is betting on satellite-to-phone connectivity, and startups like Space Forge are testing in-space manufacturing. The bigger picture: demand from satellite mega constellations is recurring, not one-off, which is why analysts (Morgan Stanley) see the space economy reaching \$1 trillion by 2040 - big enough to support several winners, not just one.

Priyanka Rathore

II BCA - A

(Poetry) Compile Your Dreams

```
#include <iostream>
using namespace std;
int main() {
    string hope = "Compile your hopes";
    bool fear = false;
    int mistakes = 4;
    cout << hope;
    if (!fear)
        cout << " without a fear." << endl;
    while (mistakes > 0) {
        cout << "Fix each mistake year by year.";
        mistakes--;
    }
    cout << "Every error has a clue," << endl;
    string result = "Leading to a brighter you.";
    cout << result << endl;
    return 0; }
```



OUTPUT :

Compile your hopes without a fear,
Fix each mistake year by year
Every error has a clue,
Leading to a brighter you.

Shruthi M
I BCA-A

Green Technology



Green Technology is the use of environmentally friendly technologies to protect nature and conserve natural resources. It helps reduce pollution, save energy, and support sustainable development

Examples of green technology include solar energy, wind energy, electric vehicles (EVs), recycling, rainwater harvesting, and energy-efficient buildings.

The advantages of green technology are numerous. It reduces air and water pollution, lowers greenhouse gas emissions, conserves natural resources, saves energy, and improves public health. It also creates new job opportunities and supports sustainable economic growth.

Despite its benefits, green technology faces some challenges. The initial cost of installing green systems can be high, and some technologies require advanced infrastructure and skilled professionals. However, as technology advances, these costs are gradually decreasing.

In conclusion, green technology plays a vital role in protecting the environment and ensuring a sustainable future. By adopting eco-friendly practices and supporting greener innovations, individuals, industries, and governments can work together to build a cleaner, greener, and healthier world.

Moulya Santhosh
II BCA-B

SOLVE THIS.....



Sanjana A.M., II B.Sc.

RIDDLES

1. I have keys but no locks, space but no room, and you can enter but never leave. What am I?
2. I click all day but never complain. I move around but have no legs. What am I?
3. I'm not an insect, but I live inside your code and cause all kinds of trouble. What am I?
4. I open no physical door, yet without me your account stays locked. What am I?
5. I connect the whole world without a single road or wire in sight. What am I?
6. I blink constantly, but I'm never tired. I move, but I have no legs. What am I?
7. I show you pictures all day, but I'm not a TV. I display your work, but I remember nothing myself. What am I?
8. People call me the brain of the machine, yet I have no thoughts of my own. What am I?
9. I'm small enough to fit in your pocket, yet I can carry thousands of files. What am I?
10. I turn your digital words into paper copies, but I'm not a photocopier. What am I?
11. I open windows to the whole world, but I'm not a house. What am I?
12. I'm called a wall, but I don't block fire - I block hackers instead. What am I?
13. I hold your files but I'm not made of paper. I'm named after the sky but I'm not made of water. What am I?
14. I'm a set of steps to follow, but I'm not a recipe or a dance. Follow me exactly and I'll solve your problem. What am I?
15. I speak using only two symbols, yet I run the entire digital world. What am I?

Keerthana.K
II BCA-A

Answers:
1. A keyboard 2. A computer mouse
3. A software bug 4. A password
5. The Internet 6. A text cursor
7. A monitor / screen 8. The CPU (Central Processing Unit) 9. A USB flash drive
10. A printer, 11. A web browser 12. A firewall
13. The cloud (cloud storage) 14. An algorithm
15. Binary code

Laughs on Keyboard



Caps Lock : The drama queen. "I don't just talk... I SCREAM!"

Escape : The magician. "And now... I vanish!"

Enter : The hype man. "Boom! Mic drop. Next line!"

Spacebar : The chill surfer. "Just hang loose, bro... I'll give you room."

Shift : The personal trainer. "Come on, push it higher! Uppercase only!"

Backspace : The time traveler. "Let's go back and fix that mistake."

Ctrl : The bossy CEO. "Nothing happens unless I say so!" **Alt**: The mysterious spy. "I work in the shadows... with secret shortcuts."

Delete : The ruthless assassin. "One press, and poof-you're history."

Tab : The impatient speed-dater. "Next! Next! Next! Who's next?"

Fn Key : The undercover agent. "You don't even know what I do... until you need me."

Home : The nostalgic grandma. "Come back, dear, to where it all began."

End : The dramatic poet. "Every story must... END."

Neethu M.
I BCA-A

VIBE CODING AND THE FUTURE OF SOFTWARE DEVELOPMENT

Describe what you want. Watch the software appear. Is this the end of programming - or the beginning of programming for everyone?

"Build me a habit tracker with streaks, dark mode, and a weekly progress chart." Fifteen minutes later, a working web app is running in the browser - and its creator never wrote a single line of code by hand. This is vibe coding: describing software in plain language and letting AI translate intention into implementation.

What Exactly Is Vibe Coding?

The term was coined in early 2025 by AI researcher Andrej Karpathy, who described a style of programming where you 'fully give in to the vibes' - you tell the AI what you want, accept its suggestions, paste back error messages, and iterate through conversation rather than through careful line-by-line authorship. The hottest new programming language, he quipped, is English.

In practice, vibe coding spans a spectrum. At one end are conversational tools like Claude Code, GitHub Copilot and Cursor, where developers still read and shape the generated code. At the other end are full app-builders like Lovable, v0 and Replit, where users may never look at the code at all - they just describe, preview, and refine.

"The hottest new programming language is English."

Why It Took Off So Fast?

Vibe coding collapsed the distance between having an idea and holding a working prototype. What once required weeks of setup - environments, boilerplate, frameworks - now takes an afternoon of conversation. Startups use it to test product ideas before hiring a team. Designers build interactive prototypes without waiting for engineers. Students ship real projects in their first semester. And professional developers report spending less time typing and more time thinking - the AI handles the repetitive 70%, freeing humans for architecture and judgment.

THE VIBE CODER'S TOOLKIT - 2026

- ❖ Claude Code - an agentic coding tool that plans, edits multiple files, runs tests, and fixes its own errors from the terminal or IDE.
- ❖ GitHub Copilot - from autocomplete to full custom agents that automate team workflows inside VS Code.

- ❖ Cursor & Windsurf - AI-native code editors built around conversation with your codebase.
- ❖ Lovable, v0 & Replit - describe an app, get a deployed product with UI, database and hosting.

The Catch: Vibes Don't Debug Themselves

Critics raise a fair alarm. Code you didn't write is code you may not understand - and code you don't understand is hard to secure, maintain, and extend. AI-generated projects can hide subtle bugs, security vulnerabilities, and 'hallucinated' logic that looks plausible but fails in production. Several high-profile incidents have involved vibe-coded apps leaking data because nobody reviewed the authentication logic.

The emerging consensus in industry is nuance, not rejection: vibe coding is superb for prototypes, internal tools, and learning - but production software still demands review, testing, and engineers who understand what the machine produced. The skill isn't disappearing; it's moving up a level of abstraction.

Does This Kill the Software Engineer?

History suggests the opposite. Every abstraction leap - assembly to C, C to Python, servers to cloud - was predicted to shrink programming, and each one expanded it instead by lowering the barrier to entry. Vibe coding is doing the same: more people than ever are building software. What changes is the engineer's role: from typist to director. Tomorrow's most valuable skills are problem decomposition, system design, code review, testing strategy, and the ability to specify precisely what you want - because an AI is only as good as the instructions and context it receives.

A Student's Playbook- Use vibe coding - but don't let it use you. right."

"AI writes the code. Humans decide what is worth building - and whether what was built is right."

Syeda Iqhra Fathima
II BCA-A

THE STORY BEHIND CTRL+C, CTRL+V AND THE SHORTCUTS THAT CHANGED COMPUTING

You press them thousands of times a day without a thought. But behind Cut, Copy, Paste and Undo lies a story of paper, scissors, and one quietly brilliant engineer.

Press Ctrl+C. Press Ctrl+V. You just performed one of the most-used actions in human history - billions of times a day, across every device on Earth - and you gave it exactly zero thought. Yet these humble shortcuts have a surprisingly rich origin story that runs from literal paper-and-glue editing to the birth of the personal computer.

Before the Shortcut: Editing With Scissors

The very idea of 'cut' and 'paste' didn't come from computers - it came from paper. For decades, editors literally cut passages of typed text with scissors and pasted them elsewhere with glue to rearrange a document. When computer scientists set out to make on-screen editing easier, they borrowed this familiar language. The metaphor was so natural that we still 'cut' and 'paste' today, even though no paper is involved.

The Man Behind the Magic: Larry Tesler

In the 1970s, at the legendary Xerox Palo Alto Research Center (PARC), a computer scientist named Larry Tesler and his colleague Tim Mott built a word processor called Gypsy. Its breakthrough was 'modeless' editing - you could select text and change it directly, without first switching the machine into a special command mode. To move text, Tesler introduced the now-universal cut, copy and paste commands. He is also credited with inventing 'find and replace' and popularising the terms 'user-friendly' and 'WYSIWYG' (What You See Is What You Get).

Why C, V, X and Z?

The Clever Keyboard Logic

The specific keys weren't random. When Apple built the Lisa computer in 1983 - and then the Macintosh in 1984 - Larry Tesler personally chose the letters, and his reasoning was elegant:

"The cut-and-paste we tap without thinking began as scissors, glue, and one engineer's war on 'modes'."

❖ X for Cut - X has long been the universal symbol for deletion, for crossing something out.

❖ C for Copy - simply the first letter of the word.

❖ V for Paste - it looks like an upside-down caret (?), the proofreader's mark meaning 'insert here'. It's also right next to C on the keyboard.

❖ Z for Undo - sitting at the far left, next to X, C and V, keeping the whole cluster under one hand. Its zig-zag shape even hints at stepping back and forth through your actions.

The genius is ergonomic: Z, X, C and V sit in a neat row at the bottom-left of a QWERTY keyboard, so your left hand can reach every one of them while your right hand stays on the mouse. Whether by design or happy accident, it's a masterclass in usability.

"Small design choices, made in a hurry decades ago, now shape how billions of hands touch machines."

From Apple Key to Ctrl: How Windows Inherited Them On the Lisa and Mac, these

shortcuts used Apple's special Command key (Apple+C, then ?+C). When Microsoft built Windows, it mapped the same letters onto the Ctrl key instead - giving us the Ctrl+C, Ctrl+V, Ctrl+X and Ctrl+Z we know today. Interestingly, IBM's rival 1987 'Common User Access' standard proposed different combinations, but the Apple-born C/V/X/Z cluster was already so beloved that it won the standards war by sheer popularity. Windows eventually supported both.

The Accidental Legend: Ctrl+Alt+Delete

Not every famous shortcut was so carefully designed. Ctrl+Alt+Delete - the 'three-finger salute' that reboots or interrupts a PC - was created almost by accident by IBM engineer David Bradley in the early 1980s. He chose an awkward three-key combination specifically so that a user could never trigger it by mistake with one hand. It was only ever meant as an internal developer tool - yet it became one of the most recognised key combinations on the planet.

Why This History Matters

The story of these shortcuts is really the story of a bigger idea: that computers should adapt to humans, not the other way around. Tesler's obsession with removing 'modes', his choice of memorable letters, IBM's deliberately awkward reboot combo - all of it is human-computer interaction (HCI), one of computer science's most underrated fields. Every time a design decision makes technology feel effortless, an HCI choice is quietly at work behind it.

So the next time your fingers fly across Ctrl+C and Ctrl+V without thinking, remember: you're using a fifty-year-old invention, born from scissors and glue, refined by a man who hated modes, and standardised by an accident of market history. The best technology, as this story shows, is the kind you never have to think about at all.

Nisha U
II BCA-B

PUBLICATIONS

1. May-June 2026 - Smt. K. S. Sukrutha, Associate Professor & Ms. Ankitha S, Assistant Professor of Computer Science, published a paper titled "GigFlow - An AI Skill Auditing and Freelance Trust Framework" in the International Journal for Multidisciplinary Research (IJFMR).
2. May 2026 - Smt. K. S. Sukrutha, Associate Professor & Ms. Ankitha S, Assistant Professor of Computer Science, published a paper titled "Empower Her: An AI-Driven Platform for Women Safety, Legal Assistance and Emergency Support" in the International Advanced Research Journal in Science, Engineering and Technology (IARJSET)
3. May 2026 - Smt. K. S. Sukrutha, Associate Professor & Smt. Shruthi H R, Assistant Professor of Computer Science, published a paper titled "An Intelligent Culinary Instruction Generator for Automated Recipe Creation from Visual Food Images" in the International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE).
4. May-June 2026 - Smt. Ramya S K, Associate Professor of Computer Science, published a paper titled "An Overview on Multiple Face Recognition System Using Image Processing" in the International Journal for Multidisciplinary Research (IJFMR).
5. Co-authors: Ms. Nisarga D. N., Ms. Sushravya K., Ms. Ananya K. and Ms. Harshitha M. S., III BCA students.
6. May-June 2026 - Smt. Ramya S. K, Associate Professor of Computer Science, published a paper titled "A Study on Fabric Defect Detection using Computer Vision" in the International Journal for Multidisciplinary Research (IJFMR).
7. Co-authors: Ms. Ranjitha Kerur, Ms. Mahadevamma, Ms. N. V. Rachana and Ms. Sinchana B. L., III BCA students.
8. May-June 2026 - Smt. Rajitha V, Associate Professor & Ms. Kavyashree K L, Assistant Professor of Computer Science, published a paper titled "A Structured Large Language Model Approach to Market Intelligence and Creative Content Generation" in the International Journal for Multidisciplinary Research (IJFMR).
9. May-June 2026 - Smt. Jyothilakshmi G. Kava & Ms. Rajeshwari N, Assistant Professors of Computer Science, published a paper titled "Retrieval-Augmented Transformer Architecture for Cross-Domain Fake News Detection" in the International Journal for Multidisciplinary Research (IJFMR).
10. May 2026 - Smt. Nayana M. P., Assistant Professor of Computer Science, published a paper titled "An AI Enabled Crop, Fertilizer and Yield Recommendation System using Machine Learning" in the International Advanced Research Journal in Science, Engineering and Technology (IARJSET). Co-authors: Ms. Mamatha D. S., Ms. Madhushri, Ms. Harshitha Y. and Ms. Mona M., III BCA students.
11. June 2026 - Ms. Bhargavi H. G., Assistant Professor of Computer Science, published a paper titled "TRUSTNET.AI - Detection of Fake Images and Videos" in the International Advanced Research Journal in Science, Engineering and Technology (IARJSET). Co-authors: Ms. Himani B. L., Ms. Sandra C., Ms. Navya Manosri S. and Ms. Ananya V, III BCA students.
12. May 2026 - Ms. Sowmya N, Assistant Professor of Computer Science, published a paper titled "Handyman - An Android App for Easy Access to Trusted Professionals" in the International Advanced Research Journal in Science, Engineering and Technology (IARJSET). Co-authors: Ms. Harshitha N., Ms. Monica R. Gowda, Ms. Nisha K. P. and Ms. Pavithra C., III BCA students.
13. October 2025 - Smt. Kavya S. N., Assistant Professor of Computer Science, published a paper titled "Forest Fire and Smuggling Detection" in the International Journal of Innovative Research in Technology (IJIRT).
14. May-June 2026 - Smt. Kavya S. N., Smt. Amulya S. Chandru and Ms. Rajeshwari N., Assistant Professors of Computer Science, published a paper titled "Voice Centric Personality Evaluation in Children" in the International Journal for Multidisciplinary Research (IJFMR).
15. May 2026 - Smt. Amulya S. Chandru, Assistant Professor of Computer Science, published a paper titled "Cognitive Decline Prediction: Leveraging AI to Detect Alzheimer's at Early Stages" in the International Advanced Research Journal in Science, Engineering and Technology (IARJSET). Co-authors: Ms. Deeksha K. B., Ms. Sahana, Ms. Jayalakshmi M. and Ms. Rakshitha K., III BCA students.
16. May 2026 - Ms. Rajeshwari N, Assistant Professor of Computer Science, published a paper titled "Android Applications for Blind People to Detect Objects, Read Text from Images, and Track Blind People" in the International Journal for Research in Applied Science and Engineering Technology (IJRASET). Co-authors: Ms. Ananya Y. S., Ms. Bee Bee Mariyam, Ms. Mizba J. and Ms. Mamatha, III BCA students.

17. June 2026 - Ms. Rajeshwari N., Assistant Professor of Computer Science, published a paper titled "AI Resume Scanner and Candidate Ranker: An Intelligent Framework for Automated Recruitment Screening" in the International Journal for Research in Applied Science and Engineering Technology (IJRASET). Co-authors: Ms. Nischitha M., Ms. Deeksha M. R., Ms. Deeksha R. and Ms. Devika P. C., III BCA students.
18. May-June 2026 - Ms. Ankitha S., Assistant Professor of Computer Science, published a paper titled "AI Art Gallery Exhibits the Work of Artists" in the International Journal for Multidisciplinary Research (IJFMR). Co-authors: Ms. Chandana S. K., Ms. Nayana C. B., Ms. Harshitha T. M. and Ms. Anitha H. N., III BCA students.
19. May 2026 - Ms. Ankitha S., Assistant Professor of Computer Science, published a paper titled "Blockchain-Based Federated Learning with SMPC Model Verification Against Poisoning Attack for Healthcare System" in the International Advanced Research Journal in Science, Engineering and Technology (IARJSET). Co-authors: Ms. Shwetha M. D., Ms. Rakshitha B. K., Ms. Chandana S. and Ms. Nisarga, III BCA students

FACULTY RESEARCH PAPER PRESENTATIONS

During the academic year 2025-2026, the faculty made significant academic contributions through the following paper presentations:

National Conference

30 January 2026 - One-Day National Conference on Frontiers in AI-Based Applications, MIT First Grade College, Mysuru

- ❖ Smt. K. S. Sukrutha, Head and Associate Professor, and Ms. Ankitha S., Assistant Professor, Department of Computer Science, presented a research paper titled "GigFlow: A Novel Vetting Framework for AI Mastery in the Freelance Economy of India."
- ❖ Smt. Rajitha V., Associate Professor, and Ms. Kavyashree K. L, Assistant Professor, Department of Computer Science, presented a research paper titled "AI-Powered Cross-Platform Market Intelligence and Creative Automation: A Structured Insight and Content Generation Using Gemini."
- ❖ Smt. Jyothilakshmi G. Kava and Ms. Rajeshwari N., Assistant Professors, Department of Computer Science, presented a research paper titled "AI-Driven Cross-Domain Fake News Detection Resistant to AI-Generated Misinformation Using Hybrid Transformer-Retrieval Architecture."

International Conference

16 April 2026 - Anveshana: One-Day International Conference, Sheshadripuram College, Mysuru

- ❖ Smt. Nayana M P and Smt. Amulya S Chandru, Assistant Professors, Department of Computer Science, presented a research paper titled "Roadside Rescue: An Intelligent System for Automotive Breakdown and Emergency Response."

Workshop Organized

- ❖ 28/08/2025 - The Department of Computer Science organized a workshop on "Transition from Classroom to Workplace - Employability Roadmap." Mr. Srinivas, Data Science Principal Consultant, A-CUBE, Mysore, delivered a session on Data Science Applications and Opportunities, followed by Mr. Anto Kriston, Director, A-CUBE, Mysore, on Personality Development. No. of participants - 67 III BCA students.
- ❖ 24/02/2026 - The Department of Computer Science and IQAC organized a one-day workshop on "Cyber Intelligence and Data Analytics: Securing the Digital Era" under the aegis of the University Career Hub, Manasagangothri, supported by RUSA 2.0 Student Development Program. The workshop was inaugurated by Prof. H. S. Nagendra Swamy, Professor, DoS in Computer Science, University of Mysore. Sessions were delivered by Dr. Kumar P K, VTU PG Centre, Mysuru, on "First Step into the World of Data Analytics" and Dr. Narender M, Associate Professor, NIE, Mysuru, on "Cyber Security Unplugged: Real Attacks and Real Defence." No. of participants - 161 BCA & B.Sc. students and 13 staff members.

Training/Certificate/Add on Course organized

- ❖ 05.07.2025 - 17.07.2025 - Faculty members of the Department of Computer Science conducted Bridge Classes for all I BCA students.
- ❖ The Department of Computer Science organized an Add-on Certificate Course on Internet of Things (IoT) for III BCA students.
- ❖ 21.07.2025 - 25.07.2025 - III BCA A & B and III B.Sc. students attended a 5-day Student Enablement Programme on "Front-End Web Developer" organized by Infosys Springboard.
- ❖ 11.08.2025 - 13.08.2025 - II BCA students attended a 3-day Student Enablement Programme on "Cyber Security Foundation Certificate" organized by the Department of Computer Science in collaboration with the Co-curricular Committee under the Infosys Springboard platform.

- ❖ 15.09.2025 - 16.09.2025 - III BCA A & B students attended a Student Enablement Programme on "Cloud Computing" organized by Infosys Springboard.
- ❖ 10.10.2025 - 30.10.2025 - III BCA A & B students completed 90 hours of self-learning courses through the ICT Academy - IBM SkillBuild CSR Phase II Programme.
- ❖ 15.12.2025 - 18.12.2025 - III BCA A students completed a 4-day Advanced IT Skills Training Programme on Artificial Intelligence under the IBM CSR Initiative.
- ❖ 15.12.2025 - 18.12.2025 - III BCA B students completed a 4-day Advanced IT Skills Training Programme on Data Analytics under the IBM CSR Initiative.
- ❖ 29.12.2025 - 31.12.2025 - III B.Sc. and III BBA (Finance) students attended the Tech4All - Phase II Soft Skills Training Programme organized by ICT Academy under the Cognizant Foundation CSR Initiative.
- ❖ 06.01.2026 - 20.01.2026 - III B.Sc. and III BBA (Finance) students successfully completed a 120-hour Cyber Security Certificate Course under Tech4All - Phase III, organized by ICT Academy with support from the Cognizant Foundation CSR Initiative.
- ❖ 26.02.2026 - 05.03.2026 - II BCA and II B.Sc. students completed a 20-hour Certificate Course on Data Mining conducted by the Naandi Foundation.
- ❖ 10.03.2026 - II BCA A & B and II B.Sc. (CS) students completed a 10-day Online Certification Course on Digital Marketing conducted by the Naandi Foundation.
- ❖ 26.02.2026 - II BCA A & B and II B.Sc. (CS) students attended a 14-hour Youth Employability Programme on Digital Marketing organized by the Department of Computer Science in association with the Naandi Foundation and sponsored by HCL-GUVI (HCL Group).

Community oriented/Extension Activities Organized

- ❖ 16/09/2025 - 18/09/2025 - Tech Amateur IT Club of the Department of Computer Science organized an E-Waste Collection Drive and collected e-waste from students and staff of the college.
- ❖ 13/01/2026 - The Department of Computer Science organized an Internet Awareness Programme for the students of Government High School, Lakshmipuram, Mysuru on the safe and effective use of the Internet and its applications. No. of students benefitted - 19.
- ❖ January-March 2026 - 31 teams of III BCA students conducted Computer Literacy Programmes for students of Government rural schools in and around Mysuru under the guidance of the faculty members of the Department of Computer Science.

Industrial Visits

- ❖ 21.08.2025- Smt. Ramya S K, Associate Prof. of Computer Science and Ms. Sowmya N, Assistant Professor of Computer Science attended Infosys Springboard Summit 2025, at Infosys campus, Mysuru along with ten B SC and BCA students(Class Representatives).
- ❖ 25.08.2025- Department of Computer Science in association with Cocurricular Committee organized Industrial Visit to Infosys Campus, Mysuru. 13 staff members and 137 B Sc Computer Science and BCA students visited the Infosys Campus.
- ❖ 03.03.2026 - Department of Computer Science organized a visit to Cyber Security Lab at MYRA School of Business for final year B Sc and BCA students. A total of 120 students and four staff members visited the institution. As part of the programme, Dr. Praveen Kumar, Assistant Dean-Student Affairs and Associate Professor of Marketing, delivered an insightful session on the importance of self-esteem, confidence, and personality development in achieving professional success.
- ❖ 06.03.2026 - Department of Computer Science organized a visit to BSNL - Zonal Telecom Training Centre (ZTTC). Five staff members and a total of 64 students from II BCA and III B Sc were given awareness on mobile networks from 1G to 5G.

Alumni Faculty Programme Organized

- ❖ 2 Alumni Faculty Programmes were organized by the Department of Computer Science on "Cloud Computing in Industry" and "Queues: Concepts, Variations, and its Applications" for III BCA students.

Guest Lecture Programmes Organized

- ❖ 04.09.2025 - Department of Computer Science hosted a Guest Lecture Programme titled "The Research Road Map: Tools, Techniques and Trends" by Dr. Annapurna H., Associate Professor, Department of Computer Science, Yuvaraja's College, Mysuru followed by Inauguration of Tech Amateur IT Club. On the same occasion, the 29th issue of Girls IT Talk Newsletter was released.

No. of students participated - 261.

Student Faculty Programmes Organized

- ❖ Two Student Faculty Programmes were organized on the topics "Interfaces in C#" and "Queues & Types of Queues" by Ms. Varshini M., III BCA, for II BCA and I B.Sc. students.

Inter Disciplinary Lecture Programme organized/conducted

- ❖ Two Interdisciplinary Lecture Programmes were conducted for students of III BBA and II B.Sc. Biochemistry on the topics "Setting up Web Analytical Tools" and "Overview of Digital Marketing", respectively.

TED/ Video Lecture Programmes organized

- ❖ A total of 10 TEDx Talk and Awareness Video Sessions were organized by the Department of Computer Science on topics including Learning Software Engineering in the Era of AI, Confidence Building, Future Technologies, Cyber Security Awareness, Teaching Kids to Code, Coding, Humanoid Technology, AI Safety, Critical Thinking in the Age of AI, and the Use of ChatGPT in Education for BCA and B.Sc. students.

Newsletter released

- ❖ 04.09.2025 - 29th issue of GI Talk Newsletter of the Computer Science Department was released by Dr. Annapurna H, Associate Professor, Department of Computer Science, Yuvaraja's College, Mysuru.

Class Seminars conducted

- ❖ A total of 12 Class Seminar Sessions were conducted by BCA and B.Sc. students on topics including Problem Solving Techniques, File Handling Concepts, Streams of Files, Software and its Types, Cyber Crime, Web Servers and their Applications, Waterfall Model, Aggregate Functions, Relational Algebra, and Augmented Reality as part of experiential and peer learning initiatives.

Student Participation and Achievement

- ❖ 26/09/2025 - Students of the Department of Computer Science participated in Tech Arena 2K25, a One-Day State-Level IT Fest organized by Government College for Women (Autonomous), Mandya. Ms. Sreejitha R. and Ms. Daksha V. Jain of III B.Sc. secured First Prize in Poster Presentation, while Ms. Mahadevamma and Ms. Vaishnavi V. J. of III BCA 'A' secured Second Prize in IT Rangoli.
- ❖ 15/10/2025 - Final-year BCA students (Sections A & B) attended the ICT Academy Thought Leaders Talk Series - Edition 17 on the topic "Smart Manufacturing 4.0: A New Era of Industrial Automation and Intelligence."
- ❖ 20/01/2026 - Ms. Roopa R., Ms. Chaithanya A., Ms. Tejasshree M. N., Ms. Sinchana M. S., Ms. Harshitha G. J., and Ms. Akshatha S. M. of III BCA participated in the Poster Making Competition on the theme "Cyber Insights" organized by Hindustan College, Mysuru. Ms. Harshitha G. J. and Ms. Akshatha S. M. secured Second Prize.
- ❖ 2026 - Ms. Harshitha G. J. and Ms. Tejasshree M. N. of III BCA presented a research paper titled "Scanalyze: Enhance Ingredient Awareness" at the One-Day National Conference on Frontiers in AI-Based Applications organized by MIT First Grade College, Mysuru.
- ❖ 28/02/2026 - Ms. Nischitha V. and Ms. Vaishnavi C. of II BCA 'A' participated in the Intercollegiate Paper Presentation Competition organized by NIE First Grade College, Mysuru, on the topic "Applications of AI" and secured First Prize.
- ❖ 28/02/2026 - Ms. Mahadevamma of III BCA 'A' participated in the Intercollegiate Poster Making Competition organized by NIE First Grade College, Mysuru, on the theme "Women's Contribution towards Science and Technology" and secured First Prize.
- ❖ 06/02/2026 - 08/02/2026 - The Department of Computer Science organized a three-day Educational Tour to Kerala for 22 students of III BCA to provide experiential learning and cultural exposure. The students were accompanied by Ms. Bhargavi H. G. and Ms. Sowmya N., Assistant Professors, Department of Computer Science.
- ❖ 05/03/2026 - Ms. Mahadevamma and Ms. Harshitha G. J. participated in the Shark Tank Competition with their innovative project titled "Scanalyze" and secured Second Prize at the State-Level Fest organized by JSS College for Women, Mysuru.
- ❖ 05/03/2026 - Ms. Himani B. L. secured First Prize, and Ms. Nischitha M. secured Second Prize in the Reels Making Competition at the State-Level Fest organized by JSS College for Women, Mysuru.

Any other relevant information

- ❖ 25.07.2025 - Organized Ganapathi Pooja to mark the inauguration of new computer laboratory. Prof N Bharathi, Principal of the college and Prof. Nayanakumari, Principal of MMK & SDM Girls PU College inaugurated the new Computer Laboratory.

Photo Gallery



3 Days E-Waste Collection Drive
Organized by Computer Science



A pleasure trip to Kerala for the
Students of Final year BCA



Conferences attended by
Faculty members



Final BCA students successfully completed a
32 hrs add-on certificate course of
Internet of Things(IoT)



Bridge course for
first year BCA students



Computer Literacy Programme for the students
of rural Government Schools in and around

Photo Gallery



Guest Lecture & Alumni Faculty Programme
by Dr. Annapurna H & Smt. Brunda R,
Ms. Ashwini H S



Industrial Visit



Interclass Competitions organised by
Tech Amateur IT club



Workshop organised on Data- Science &
Cyber Intelligence and Data Analytics



Internet Awareness program for Government
High School Lakshmipuram, Mysore



Student participation in Intecollegiate
competitions

DEPARTMENT OF COMPUTER SCIENCE
CONGRATULATIONS TO ALL THE TOPPERS WHO HAVE SECURED
HIGHEST MARKS IN THE UNIVERSITY EXAMINATIONS HELD DURING 2025-26

BCA TOPPERS - ODD Semester



Manasa
428/450 I Sem - A



Chaitanya D
422/450 I Sem - A



Srusti H.C.
412/450 I Sem - A



Satyasri S
441/450 I Sem - B



Lakshmi
438/450 I Sem - B



Nisarga
422/450 I Sem - B



Priyanka M.
634/650 III Sem - A



C. Vaishnavi
595/650 III Sem - A



Sanjana R.T.
594/650 III Sem - A



Namratha N.
632/650 III Sem - B



Sunidhi G.
629/650 III Sem - B



Akshatha N.
588/650 III Sem - B



Mahadevamma
660/700 V Sem - A



Himani B.L.
655/700 V Sem - A



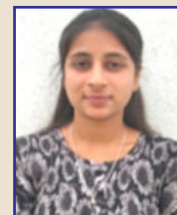
Gagana M.
651/700 V Sem - A



Lavanya S.R.
669/700 V Sem - B



Sahana H.S.
657/700 V Sem - B



Ananya K.
649/700 V Sem - B

BCA TOPPERS - EVEN Semester



Chaitanya D
435/450 II Sem - A



Harshitha M.
422/450 II Sem - A



Srusti H.C.
412/450 II Sem - A



Lakshmi
444/450 II Sem - B



Sathyasri S
438/450 II Sem - B



Varshitha C.
436/450 II Sem - B



Priyanka M.
590/600 IV Sem - A



Priyanka Rathore
572/600 IV Sem - A



Keerthana K.
569/600 IV Sem - A



Sunidhi G.
596/600 IV Sem - B



Varshitha M.
577/600 IV Sem - B



Namratha M.
576/600 IV Sem - B



Gagana M.
679/700 VI Sem - A



Meghana M.
679/700 VI Sem - A



Mahadevamma
670/700 VI Sem - A



Varsha J.R.
670/700 VI Sem - A



Sinchana B.L.
669/700 VI Sem - A



Lavanya S.R.
681/700 VI Sem - B



Sahana S.
673/700 VI Sem - B



Ananya K.
671/700 VI Sem - B



Sahana H.S.
671/700 V Sem - B

DEPARTMENT OF COMPUTER SCIENCE
CONGRATULATIONS TO ALL THE TOPPERS WHO HAVE SECURED
HIGHEST MARKS IN THE UNIVERSITY EXAMINATIONS HELD DURING 2025-26

B.Sc. Computer Science Toppers - ODD Semester



Kowshitha N.K.
146/150 I Sem.



Aishwarya N.
142/150 I Sem.



Sharanya
139/150 I Sem.



Bhoomika B.
239/250 III Sem.



Meghana
233/250 III Sem.



Keerthana G.S.
234/250 III Sem.



Unnati J.
400/400 V Sem.



Niveditha H.N.
399/400 V Sem.



Supriya N.
394/400 V Sem.



Ambika C.
394/400 V Sem.

B.Sc. Computer Science Toppers - EVEN Semester



Aishwarya N.
145/150 II Sem.



Sharanya
145/150 II Sem.



Kowshitha N.K.
143/150 II Sem.



Amrutha S.
142/150 II Sem.



Sinchana H.S.
196/200 IV Sem.



Bhoomika B.
194/200 IV Sem.



Meghana
186/200 IV Sem.



Unnati J.
297/300 VI Sem.



Sanjana H.S.
296/300 VI Sem.



Bhargavi D.
296/300 VI Sem.



Sinchana B.
294/300 VI Sem.



Nimra Muskan Khan
294/300 VI Sem.

RELEASE OF 29TH ISSUE OF GIRLS IT TALK NEWS LETTER

