

The Communique

Presidency School of Information Science

Vibe Coding: The Future of Software Development

</>
**VIBE
CODING**
THE FUTURE OF SOFTWARE DEVELOPMENT

From Writing Code
to **Directing Intelligence.**



AI-POWERED
DEVELOPMENT



NATURAL LANGUAGE
TO SOLUTIONS



FASTER CREATION
SMARTER SYSTEMS



INNOVATE. ITERATE.
ELEVATE.

CODE LESS. CREATE MORE. IMPACT BEYOND.



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LETTER FROM THE EDITOR



From Insights to Impact—Lead the Change

Technology is evolving at an unprecedented pace, redefining the way we learn, innovate, and shape the future. From artificial intelligence and large language models to intelligent coding platforms and digital transformation, the world is witnessing breakthroughs that are no longer distant possibilities but emerging realities. Every new discovery pushes the boundaries of human potential, inspiring us to think beyond limitations and embrace the opportunities of tomorrow.

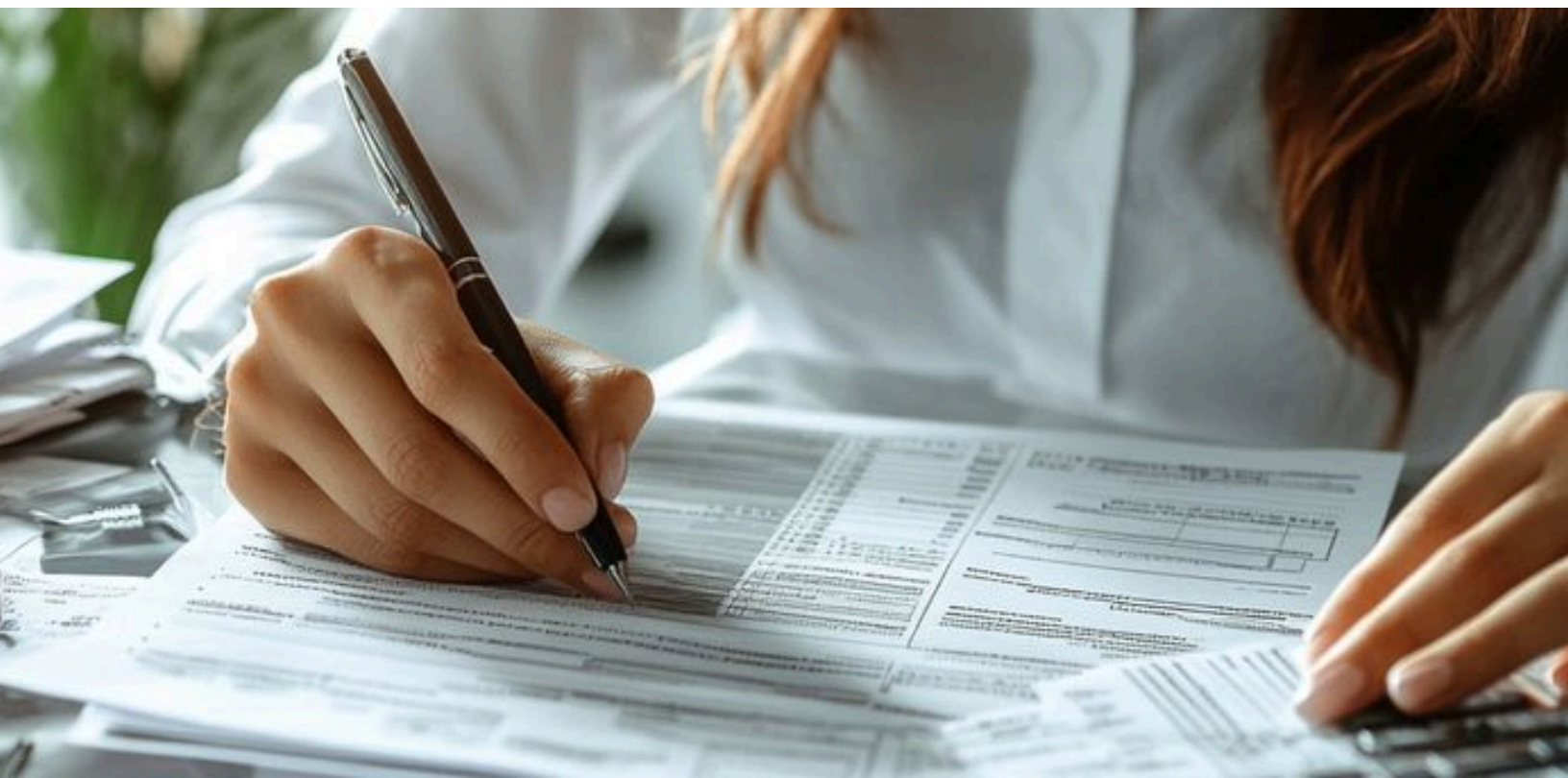
This edition of The Communique, themed “Vibe Coding: The Future of Software Development – from writing code to directing intelligence,” celebrates the spirit of bold innovation and transformative thinking.

The articles in this issue explore groundbreaking ideas, emerging tools, AI-driven advancements, entrepreneurship, and creative solutions that are shaping the future of software. They reflect how curiosity, knowledge, and collaboration can drive meaningful progress across industries and communities.

Innovation flourishes when ideas are supported by purpose, responsibility, and a commitment to continuous learning. The future belongs to those who dare to imagine beyond the present and transform possibilities into reality.

Through this edition, we celebrate the vision, creativity, and determination of young innovators. Let this be a reminder that every bold idea has the potential to spark transformation, every breakthrough begins with curiosity, and every individual has the power to shape a future filled with endless possibilities.

The Editorial Board



FROM THE HELM

It is my privilege to present this edition of The Communique, themed “Vibe Coding: The Future of Software Development – from writing code to directing intelligence.” This theme reflects the remarkable shift in how software is created and the transformative potential of AI-driven development to redefine the future of coding, innovation, and digital solutions.

Today, we stand at the threshold of a technological revolution where traditional coding is evolving into an intuitive partnership with artificial intelligence. By harnessing the power of large language models and intelligent systems, vibe coding promises unprecedented speed, creativity, and accessibility in software development, enabling breakthroughs across industries such as healthcare, finance, education, cybersecurity, and beyond.

As the world accelerates toward this new paradigm, governments, industries, and research institutions are investing heavily in AI-assisted tools and platforms. Alongside advancements in generative AI, cloud computing, and next-generation interfaces, vibe coding is expected to become a cornerstone of the digital economy. India’s growing focus on AI innovation further reflects the nation’s commitment to building a globally competitive tech ecosystem and empowering young developers and innovators to lead this transformation.

Curiosity, critical thinking, and a research-driven mindset remain essential as we explore these emerging technologies. Through interdisciplinary collaboration and a focus on scientific excellence, the next generation of developers is being equipped to engage meaningfully with the rapidly evolving landscape of intelligent software development.

This edition of The Communique celebrates the exciting possibilities of vibe coding. The articles and insights featured in these pages explore the principles, tools, and impact of directing intelligence rather than writing every line of code, highlighting how this approach is poised to transform industries and society. As we take this leap into the future of software development, let us embrace innovation with vision, responsibility, and a shared commitment to building a smarter, more creative, and technologically advanced world.

Best Regards,

Prof. (Dr.) S. Sivaperumal

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THE COMMUNIQUE



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MS. DEVI S
EDITOR



THE TEAM

*The essence
and
The spirit
That breathe
Life into it all.*

MS. K. LEKHYA SREE
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MR. KRISHNA MISHRA
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The uncomfortable truth about vibe coding

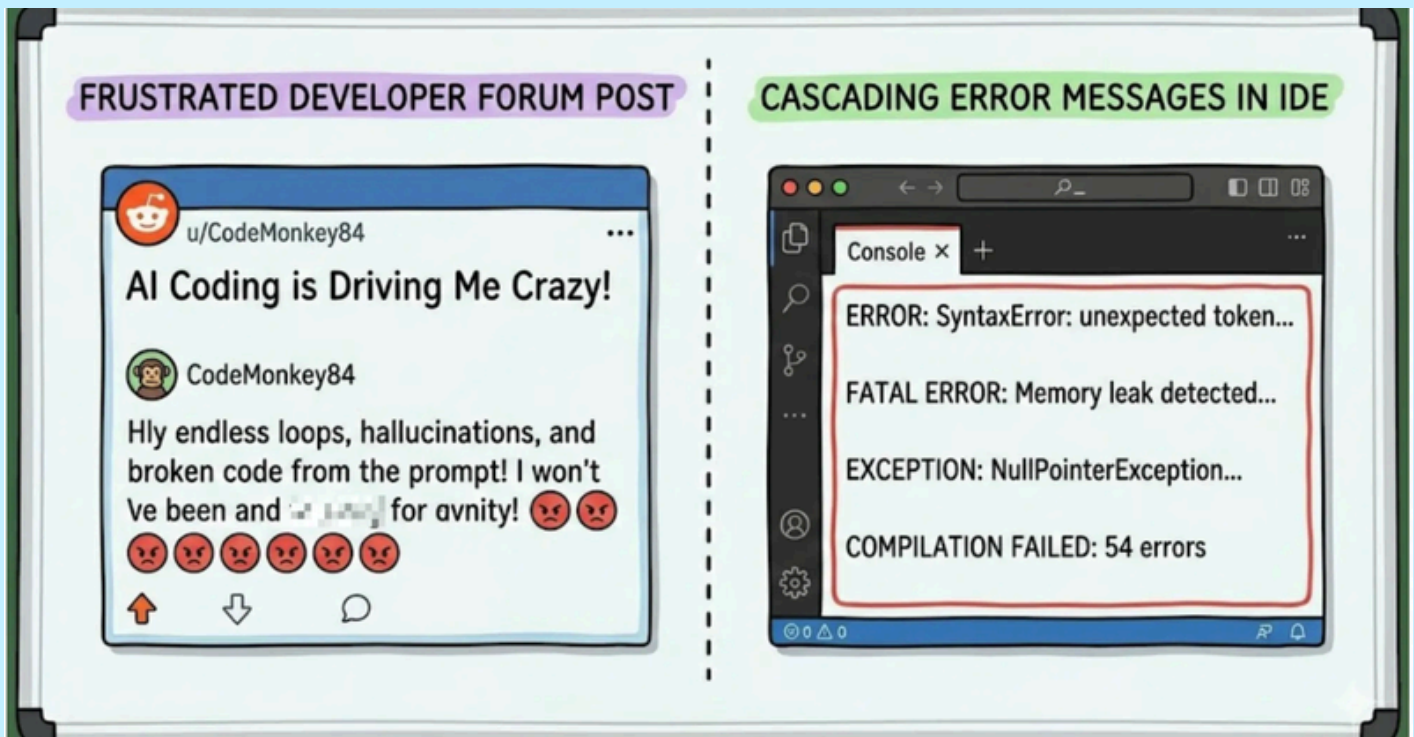
Based entirely on the Red Hat Developer article by Todd Wardzinski, published February 17, 2026.

We are living through a strange moment in software development. AI coding assistants allow people to describe what they want in plain English and watch code materialize on the screen. This practice, known as vibe coding, is changing how people approach software development.

Vibe coding has genuine advantages. Quick prototypes, flashcard applications, landing pages, and other straightforward projects can move from an idea to working code in minutes. Natural language allows developers to focus on concepts and intentions rather than implementation details.

Where it falls apart?

The problems often appear as a project grows. A small change can break several other features, leading to repeated fixes and unexpected behaviour. The article explains that this is a natural consequence of building without specifications. Once code is generated, the original instructions can become obsolete, while the code becomes the only source of truth.



Specificity is king?

The developers achieving real success with AI coding tools are not simply vibing they are specifying. Spec-driven development treats specifications as an authoritative blueprint and a single source of truth that the code must conform to. Specifications also encourage developers to consider edge cases, define constraints, and think through the user experience.

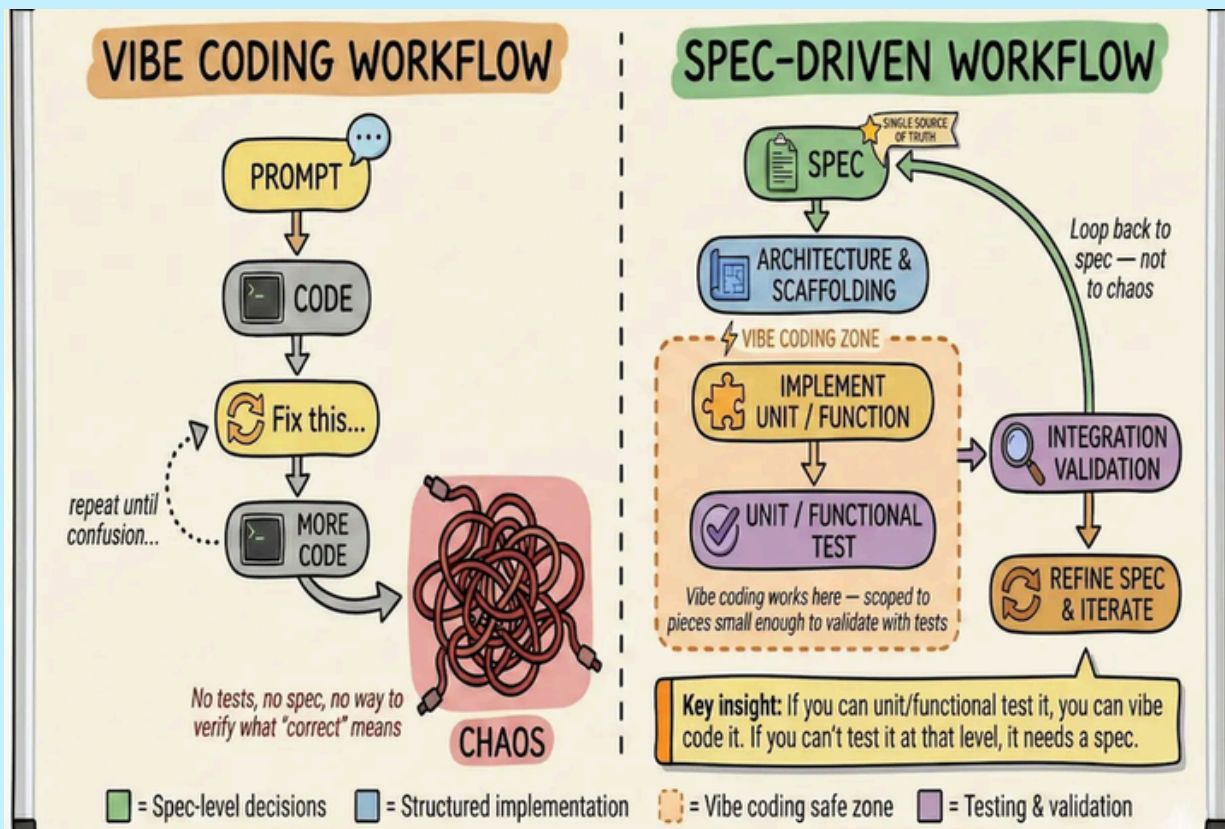
The uncomfortable truth about vibe coding

The uncomfortable middle ground

AI does not eliminate the need to be technical. Developers still need to understand architecture, dependencies, constraints, and trade-offs. Vibe coding extends a developer's reach, but it does not replace the technical foundation required to build sustainable software.

What actually works

The most effective approach combines the efficiency of natural language with the rigor of explicit specifications. Vibe coding can still be useful for exploring ideas and prototyping, while projects that need to be maintained, debugged, and extended require appropriate guardrails. Developers should be specific about what they want, document decisions, define constraints, and create acceptance tests.



The article's central message is clear: “Use the vibes to explore. Use specifications to build.”

The future is specific

Vibe coding is not going away. Its accessibility and usefulness make it an important part of modern software development. But sustainable software requires more than generating code. It requires knowing exactly what you want and expressing it clearly enough that the AI can implement that intent reliably.



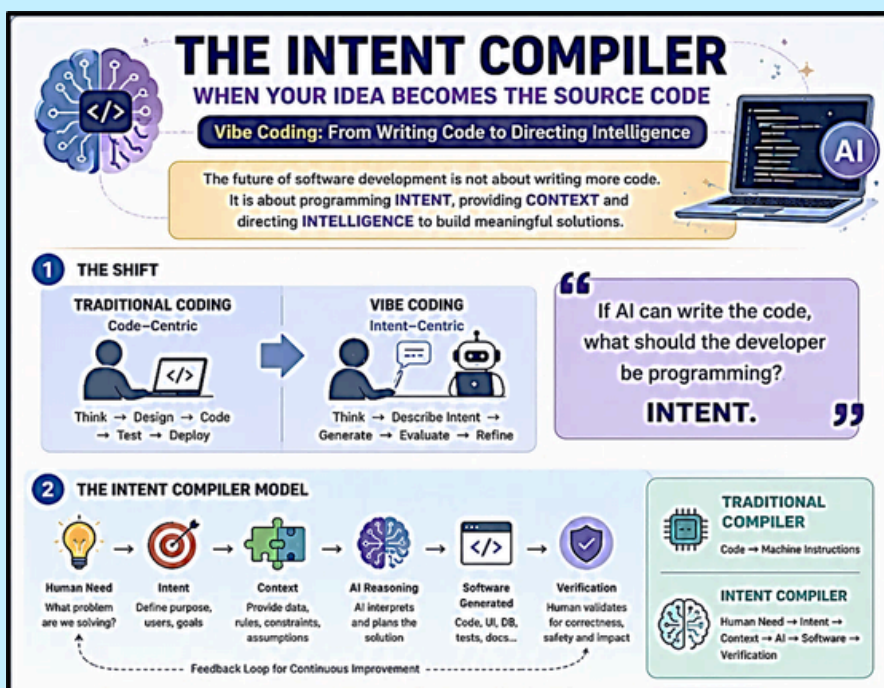
The Editorial Board
The Communique

THE INTENT COMPILER :When Ideas Become Code

For many years, software development followed a familiar sequence: conceive, design, program, test, and release. Programmers translated human ideas into instructions computers could understand. Today, Vibe Coding is transforming this process by allowing developers to express requirements in natural language while AI generates code, interfaces, databases, tests, and documentation. This raises an important question: If AI can write code, what should the programmer do? The answer is intent. An Intent Compiler can represent this transformation as **Human Need → Intent → Context → AI Reasoning → Software → Verification**, where humans define the goals and constraints while AI helps translate them into software.

This shift highlights the importance of Intent Engineering. While Prompt Engineering focuses on writing effective prompts, Intent Engineering defines the intent, context, constraints, and expected outcomes. Instead of asking AI to simply “create a student application,” developers can specify security, role-based access, analytics, privacy, and usability requirements. As AI handles more coding tasks, the developer evolves from Code Author to AI Maestro, orchestrating AI tools for architecture, programming, testing, security, and documentation while guiding and evaluating their outputs.

Similarly, Intent Review extends traditional Code Review beyond correctness, efficiency, security, and maintainability. It examines whether the right problem is being solved, user needs are addressed, AI assumptions are valid, and the outcome is safe, ethical, and meaningful. Since AI can produce technically correct software for the wrong problem, human judgment remains essential. This emerging approach can be summarized as **Intent × Context × Intelligence × Verification Trustworthy Software**, ensuring that AI-generated solutions are correct, safe, and useful.



THE INTENT COMPILER: When Ideas Become Code

Vibe Coding is not the end of programming but a change in the way we do programming. Programming, algorithms, databases, software architecture, and cybersecurity will not disappear, but more and more developers will need to be problem solvers, systems thinkers, AI literate, critically astute, communicators, creative, and ethically motivated. The future program won't be the one who writes the most code, but the one who recognizes the right problem, puts the intent in the right words, steers intelligent systems, and checks the results. Vibe Coding is not just a new way to build software, but a shift from Writing Code to Directing Intelligence, from Code Writer to AI Conductor, from Prompt Engineering to Intent Engineering, from Code Review to Code Review + Intent Review. The future of programming is not necessarily code-free it is intent-driven. The future programmer will not simply write code; the future programmer will direct intelligence with purpose.

Conclusion

Vibe Coding represents more than a new way of generating software. It represents a shift in the level at which humans interact with technology.

We are moving from:

Writing Code → Directing Intelligence

From:

Code Writer → AI Conductor

From:

Prompt Engineering → Intent Engineering

And from:

Code Review → Code Review + Intent Review

The future of programming is therefore not necessarily code-free. It is intent-driven.

The most important programming language of the future may not be Python, Java or C++.

It may be human intent.

Earlier: Programmer = Person who writes code

Increasingly: Programmer = Person who defines problems, directs AI, evaluates solutions and takes responsibility for outcomes

So, the central message can be expressed in one sentence:

“The future programmer will write less code, but will need to think more deeply about what should be built, why it should be built, and whether it is built correctly.”

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Dr. S. Krithika

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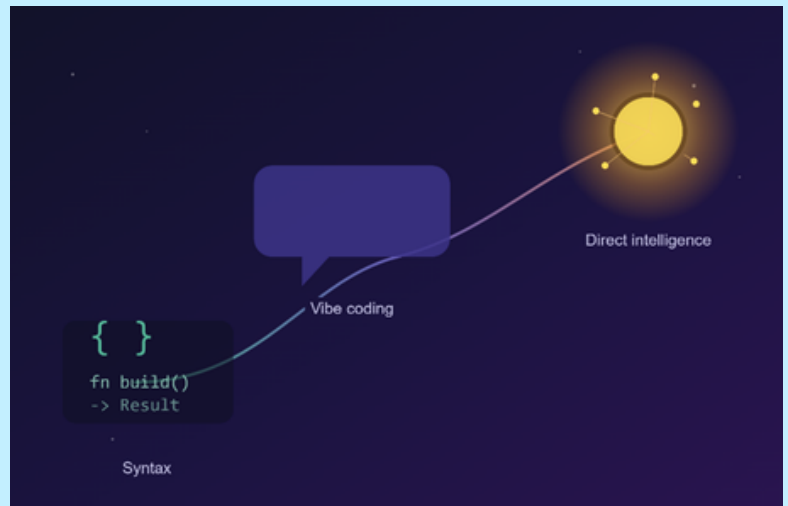


From Vibe Coding to Direct Intelligence

Software's Next Decade

In 2024, the term “vibe coding” entered the engineering world. What began as a joke described a new workflow: describe a task to AI, receive code, test it, explain errors in plain language, and refine it until it works. Instead of lengthy planning and architecture, a simple conversation gradually becomes software.

In 2024, “vibe coding” emerged as a new way of developing software. Instead of writing code manually, developers describe what they want to AI, test the generated code, explain errors in plain language, and refine it until it works.



In short: Conversation → AI-generated code → Test → Refine → Software

May the End of Syntax as a Bottleneck Come Soon

From Syntax to Problem-Solving

Traditional programming focused on syntax and implementation. Vibe coding shifts the focus to describing problems clearly and evaluating AI-generated solutions.

Direct Intelligence: No Code at All

AI can go beyond generating code by reasoning about tasks dynamically, making applications more adaptive to new situations.

What Gets Harder

AI changes do not remove the challenges:

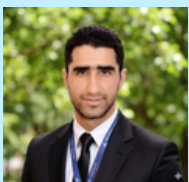
- Bugs become harder to detect.
- Debugging focuses on why AI made a decision.
- Testing must handle changing behaviour.
- Human judgment remains essential.

The Future Developer

The role shifts from:

“Writing code” → “Defining problems, evaluating solutions, and taking responsibility.”

AI is moving developers closer to problem-solving and system design, with this transformation happening faster than ever.



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Beyond Vibe Coding: The Rise of the Context Engineer

From Code Writer to Intelligence Director

Today, developers can describe an application in natural language and obtain a working prototype within minutes using AI. This approach, known as vibe coding, shifts the developer's effort from writing every line of code to specification, supervision, and validation.

The traditional process:

Problem → Algorithm → Code → Testing → Deployment

is evolving into:

Problem → Intent → Context → Constraints → AI Agents → Verification → Deployment

The developer now focuses on defining the problem, providing the right context, setting constraints, and verifying the AI's output.

The 5C Framework for Context Engineering

A Context Engineer creates the conditions that help AI produce trustworthy software:

Context → Constraints → Creation → Critique → Learning

Context: Provide the domain, users, requirements, and background.

Constraints: Define security, privacy, performance, and other limitations.

Creation: Allow AI to generate code and documentation.

Critique: Evaluate correctness, security, and maintainability.

Learning: Use feedback to improve future results.

Risks: Complexity & Prompt Debt

AI makes software creation faster and cheaper, but this can lead to unnecessary complexity that developers may not fully understand. Prompt debt can also occur when the original prompts, assumptions, and decisions behind AI-generated code are lost.

Maintaining a simple development trail

Requirement → Context → AI Decision → Code → Test → Approval
can reduce these risks.

Lessons for Future Programmers

Programming education should focus not only on writing code quickly but on understanding algorithms, evaluating AI-generated code, identifying flaws, and designing solutions.

Conclusion

The future of software development is not code-free, but increasingly AI-driven. The programmer's role is evolving from code writer to intelligence director, where the ability to provide context, guide AI, evaluate solutions, and take responsibility will define effective software engineers.



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Vibe Coding: Code Less, Create More

What happens when you give an AI your idea and say, “Okay, build this”?

Imagine this: it's 2 a.m., you have a random idea, and you suddenly want to build it.

Maybe it's an app that helps students find study partners. Maybe it's a website for your college fest. Maybe it's a game where your professor is the final boss.

Normally, you'd need to learn programming, set up a development environment, spend hours searching for answers, and probably question every life decision that brought you there.

Now, you can just tell an AI what you want.

"Build me a website for our college fest. Make it futuristic. Add event registration, a countdown timer, and a leaderboard."

A few prompts later, you have code - and maybe even a working website.

Welcome to vibe coding, one of the newest ways people are turning “I have an idea” into “Wait... I actually built this?”

What Even Is Vibe Coding?

Vibe coding is essentially programming with AI as your coding sidekick.

Instead of writing every line yourself, you describe what you want in normal language. The AI generates the code, and you guide it from there: change the font, fix the error, add a login page, make the button bigger, or give the whole thing a better look.

It feels less like traditional programming and more like having a developer on call who never sleeps. The interesting part is that you don't necessarily need to understand every line of code. You need to understand what you want to build and be able to communicate it clearly.



The College Campus Could Be the Perfect Vibe-Coding Lab

Imagine what students could build when software becomes easier to create: a campus lost-and-found platform, an event tracker, a study planner, a club-management dashboard, a timetable generator, a student marketplace, or even a game based entirely on department inside jokes.

Most of these ideas won't become billion-dollar startups, and they don't have to.

The value is in building something, seeing how people respond to it, discovering what doesn't work, and trying again.

The Future Might Belong to the Curious

Vibe coding isn't really about replacing programmers. It's about giving more people a chance to become builders.

The student with an idea. The designer with a concept. The entrepreneur with a prototype. The person who has always said, “I wish there was an app for this.”



Mr. Faizan Anwar Khan

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Vibe Coding - Innovation Spotlight

Ideas That Are Shaping Tomorrow

Innovation begins with curiosity. Across the globe, developers, researchers, and students are exploring new ways of building software that are redefining how we create, collaborate, and solve problems.

Natural Language to Code

Vibe coding allows developers to describe what they want in plain language and let AI generate functional code. Instead of writing every line manually, creators focus on intent, architecture, and refinement. This shift dramatically reduces development time and opens software creation to a wider range of thinkers beyond traditional programmers.



AI Pair Programming

Modern AI coding assistants act as intelligent collaborators that suggest, complete, and improve code in real time. By understanding context across entire projects, these tools help developers write cleaner code, catch bugs earlier, and explore alternative solutions faster than ever before.



Rapid Prototyping & Iteration

With vibe coding, ideas can move from concept to working prototype in hours rather than weeks. Developers can quickly test features, gather feedback, and refine products by continuously directing AI rather than rebuilding from scratch, accelerating innovation across startups and enterprises.



Intelligent Code Optimization

AI-powered systems can analyze existing codebases, identify inefficiencies, and suggest or automatically apply improvements in performance, security, and readability. This capability helps teams maintain high-quality software at scale while reducing the time spent on routine maintenance and technical debt.



Cross-Platform & Multi-Language Development

Vibe coding enables developers to generate and adapt code across multiple programming languages and platforms using the same natural-language instructions. A single prompt can produce solutions for web, mobile, cloud, or embedded systems, allowing teams to build versatile applications faster and with greater consistency across technology stacks.



VIBE CODING CHRONICLE: 2026 EDITION

Responsible Vibe Coding: Architecture, Opportunities, and Research Agenda

Vibe coding is an emerging software engineering paradigm that shifts development from writing code manually to expressing intent through natural-language conversation with generative AI and large language models. The paper frames it as a socio-technical approach that redefines human–AI collaboration across the software lifecycle, outlines its architectural foundations, compares it with related concepts such as agentic development and AI-assisted coding, and discusses practical applications. It also highlights key challenges around reliability, governance, and security, and proposes a research agenda focused on human-centered adaptation, technological reliability, and organizational governance for responsible, intent-driven software creation.

**Journal: Journal of Computer Information Systems
(Taylor & Francis)**

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DOI: 10.1080/08874417.2026.2621186



Vibe Coding Explained: How AI Is Changing the Way You Build Software

Vibe coding is an AI-assisted software development approach, popularized by Andrej Karpathy in early 2025, that uses natural language prompts to generate code with minimal manual writing, allowing both non-coders and experienced developers to build applications, prototypes, and tools quickly through conversational interaction with AI platforms like ChatGPT, Claude, GitHub Copilot, Cursor, and others. Unlike traditional coding, which requires writing every line manually, or pure no-code tools that rely on drag-and-drop interfaces, vibe coding focuses on describing intent and iteratively refining AI-generated output in a collaborative loop of prompting, testing, and feedback. It democratizes development by speeding up idea-to-prototype cycles and reducing the need for deep programming expertise, yet it still demands strong prompt engineering, critical evaluation skills, and human oversight to address limitations such as code quality issues, security risks, and the need for expert review before deployment.

Author: Coursera Staff

Publication: Coursera

Date: August 12, 2026

VIBE CODING CHRONICLE: 2026 EDITION



Author : Sahana Venugopal
Published in: The Hindu
Updated: 3 April 2025

What is Vibe Coding and why are people catching the trend?

Vibe coding is a new style of software development popularised by Andrej Karpathy in February 2025, in which developers fully “give in to the vibes” by describing what they want in natural language and letting large language models (such as those powering Cursor) generate, run, and debug the code with minimal manual intervention. The approach is gaining traction because rapidly improving AI coding tools are making it possible for non-programmers to build software and for experienced developers to move much faster, though questions remain about the safety, reliability, and long-term sustainability of relying so heavily on AI-generated code.

‘Vibe coding’ faces scrutiny as AI-generated code risks slip into production

“Vibe coding” — the heavy reliance on AI tools to generate software — is facing growing scrutiny after reports that AI-generated code with hidden flaws is slipping into production systems. Amazon Web Services reportedly suffered at least two outages linked to its internal AI tools, highlighting risks such as missed dependencies, security vulnerabilities, incorrect logic, and cascading failures in complex distributed systems. Industry experts warn that while AI coding assistants dramatically accelerate development and boost output, treating them as a full replacement for human review creates technical debt and operational risk. They stress that AI works best as a productivity aid for experienced engineers who carefully define tasks, review outputs, and maintain human-in-the-loop checkpoints — especially in high-stakes domains like finance, healthcare, and aviation — rather than allowing unreviewed AI code to reach production.



Author: Sanjana BKV & Kurmanath
Publication: The Hindu BusinessLine
(Info-Tech section)
Date: 13 March 2026



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Code Without the Keystrokes: Vibe Coding as the Next Chapter in Software Development

For six decades, writing software has meant writing syntax. A programmer's fluency was measured in semicolons, brackets, and the ability to hold a mental model of a compiler in one's head. That era is quietly ending. A new practice, half-jokingly called “vibe coding,” has moved from internet meme to genuine methodology, and it is forcing educators like myself to rethink what we teach and why.

What Exactly Is Vibe Coding?

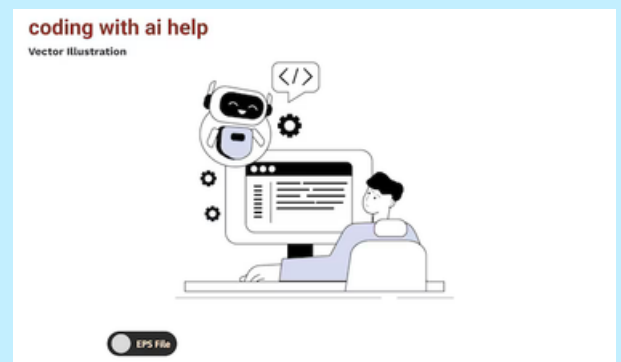
Vibe coding is the practice of building software primarily through natural-language conversation with an AI model, rather than by hand-writing every line of code. The developer describes intent the “vibe” of what the application should do and feel like and the AI generates, tests, and iterates on the implementation. The human shifts from author to editor-in-chief: reviewing output, steering direction, and making judgment calls about correctness, security, and design, while the machine handles the mechanical translation of ideas into code.

This is not simply autocomplete on steroids. Modern coding assistants can scaffold entire applications, write test suites, debug their own errors, and refactor large codebases across multiple files all from a short prompt and a follow-up conversation. What once took a team a sprint can now take one person an afternoon.

Why It Matters Now?

Three forces have converged to make this moment possible. First, large language models have become genuinely competent at reasoning about code, not merely pattern-matching against training data. Second, tooling has matured: AI-native editors, agentic coding assistants, and integrated testing pipelines mean generated code can be verified and deployed with minimal friction. Third, and perhaps most importantly, the economics of software creation have shifted. When the cost of producing a working prototype drops from weeks to hours, the bottleneck moves from typing to thinking from implementation to ideation.

For students and early-career engineers, this is both liberating and disorienting. Liberating, because a good idea no longer requires years of syntax mastery to test. Disorienting, because the traditional markers of competence knowing a language cold, debugging by hand, memorizing APIs matter less than they once did.



The Risks We Cannot Ignore

Vibe coding is not a free lunch. Code produced quickly can be code understood shallowly. Security vulnerabilities, subtle logic errors, and architectural debt can accumulate invisibly when no one has read every line. There is a real danger of a generation of developers who can produce software without being able to explain how it works competent operators of a black box, but not engineers in the traditional sense. Academic institutions have a responsibility to ensure that fluency with AI tools does not come at the expense of foundational understanding: data structures, algorithmic complexity, systems design, and the discipline of testing still matter, arguably more than ever, because someone has to catch what the machine gets wrong.

Rethinking the Curriculum

In my own courses, I have stopped treating “writing code” and “understanding code” as the same skill. Assignments increasingly ask students to specify a system precisely, generate an implementation with an AI assistant, and then critique, test, and defend that implementation as if it were a colleague's pull request. This mirrors the actual shape of professional work today: the valuable skill is no longer typing syntax but framing problems clearly, evaluating solutions critically, and knowing enough about how software fails to catch it before users do. Prompting itself has become a form of specification writing a skill worth teaching deliberately rather than assuming it will be picked up by accident.

Looking Ahead

Vibe coding will not eliminate the software engineer; it will change what the job means. The engineers who thrive will be those who pair architectural judgment and domain understanding with fluent, critical use of AI tools not those who resist the shift, nor those who abandon rigor entirely in favor of speed. Universities that adapt their teaching accordingly will produce graduates ready for a discipline that looks less like writing prose in a foreign language and more like directing a highly capable, occasionally unreliable collaborator. The future of software development is not human versus machine. It is human judgment, amplified by machine execution and teaching that balance well may be the single most important task facing computing education today.



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INDUSTRY PULSE

MR. DINESH KHANNA

Global Head
Zoho Corporation Pvt Ltd.



How can India become more technologically self-reliant and ensure that the data of its citizens remains secure and under greater control?

India needs to develop and actively use its own digital products and platforms instead of depending heavily on technologies created by companies from other countries. Many of the tools we use every day collect and process large amounts of personal information—our activities, interests, preferences, interactions, and even future plans. By strengthening our own technology ecosystem, we gain greater control over data and digital infrastructure. This is not just about building alternatives; it is about creating systems that keep Indian data secure and under Indian control while reducing long-term dependence on foreign platforms.

How important are startups and young entrepreneurs in building a self-reliant India?

Startups and young entrepreneurs play a crucial role. If India wants to reduce its reliance on foreign technology and create products that can compete globally, startups are one of the strongest engines for that change. They bring fresh ideas, speed, and the willingness to solve real problems.

Building a self-reliant technological ecosystem cannot happen through large companies alone. Young founders who identify meaningful problems, develop practical solutions, and execute with discipline will be central to creating products that strengthen India's own digital infrastructure and give us greater control over our data and technology stack.



Will Zoho become India's Google?

The next global technology company does not have to come from somewhere else. It can be built here.

AI is advancing very fast. What about its environmental impact and the need for sustainable innovation?

AI is developing at an extraordinary pace, but this progress comes with significant computational and infrastructure requirements. The resources consumed by large AI systems raise genuine concerns. The goal should not simply be to build more powerful AI systems. We need to develop technologies that are efficient, responsible, and environmentally sustainable. For India, this challenge is also an opportunity. Students, researchers, startups, companies, and policymakers can work together to create AI systems and infrastructure that reduce resource consumption while still delivering meaningful technological progress. Sustainability must become part of the innovation agenda, not an afterthought.

Will AI replace human jobs?

AI may replace certain tasks or roles, but it also creates new opportunities. Focus on working alongside AI through continuous learning, adaptability, creativity, problem-solving, communication, and strong technical fundamentals.

When is the right time for a student or young person to start a startup?

There is no fixed age or perfect moment to start a startup. What matters far more is having a good idea and, more importantly, knowing how to execute it effectively. A successful startup needs a clear strategy, proper planning, and a capable team that can turn an idea into a practical solution. Entrepreneurship is not simply about registering a company. It is about identifying a meaningful problem, developing a solution that creates real value, and having the determination and discipline to see it through. Students should focus on these fundamentals rather than waiting for some ideal age or external permission to begin.

With tools like ChatGPT and other AI platforms becoming so capable, do students still need strong foundations in subjects like databases, programming, and data analysis?

Absolutely. AI tools can generate code, analyse information, and solve problems with impressive ease, but they cannot replace the need to understand the fundamentals. A strong grasp of databases, data analysis, programming, and other core areas of computer science is essential—not only for using AI tools effectively, but also for developing and improving AI-based solutions.

AI can give an answer, but only a solid technical foundation allows you to judge whether that answer is correct, efficient, secure, and appropriate for the problem. Students should treat AI as an extension of their knowledge, not a substitute for it. The stronger the foundation, the more effectively they will be able to use and improve these tools.

Building a self-reliant technology ecosystem cannot be done by startups alone. What roles should industry, government, and educational institutions play?

Industry must continue to encourage innovation and provide real opportunities for young talent. Educational institutions need to strengthen foundational learning while exposing students to emerging technologies and real-world problems. Government policies and initiatives can support innovation, data security, sustainable technology development, and the growth of Indian technology companies. Students, for their part, must move beyond learning only for examinations. They need to develop the ability to identify problems, ask meaningful questions, experiment with technology, and build solutions that create real-world impact.

If AI can already generate code, applications, and even creative work, why should students still learn programming, databases, and system design?

Building software and understanding software are not the same thing. An AI can generate an entire application with a database, authentication, APIs, frontend, backend, and deployment.



But someone still has to evaluate whether the architecture is correct, whether the database is designed properly, whether the authentication is secure, why a query is slow, what happens in edge cases, or whether the AI introduced a security vulnerability. These are engineering and decision-making questions, not just coding tasks. AI may change how we write code, but it increases the value of people who understand the fundamentals and can design, review, test, and improve what the AI produces.

Looking ahead, what kind of people will succeed in a world where humans and AI work together?

AI may become very good at producing results, but questions of purpose, value, and responsibility will remain deeply human.

🏏 Heartiest Congratulations & Appreciation! 🏏

The Presidency School of Information Science (PSIS), proudly appreciates Mr. Sardar Mohammed Wasim Yaseen (20252MCA0061), 3MCA01, for his outstanding achievement in the My Debut Hostel League 2026 Cricket Tournament – Season 1.

🏆 Team Achievement

- 🥈 Runners-Up – My Debut Hostel League 2026
- 💰 Cash Prize – ₹25,000
- 🏆 Among the Top 8 Universities in Bengaluru

🌟 Individual Achievements

- 🥈 Best Fielder of the League – ₹3,000 Cash Prize
- 🏏 2 x Man of the Match Awards
- 🎯 Best Bowler Award
- 🏏 Best Batsman Award



The Presidency School of Information Science (PSIS) proudly appreciates our II Year student for his outstanding achievement in the Jayantian Cup 2026 National Level Inter Institutional Taekwondo Championship, hosted by Kristu Jayanti University.

🏆 Achievement

- 🥈 Overall Runners-Up – Taekwondo (Men & Women)
- 🏆 Jayantian Cup 2026
- 🇮🇳 National Level Inter-Institutional Championship

His dedication, discipline and sporting spirit have brought immense pride to the School of Information Science. Balancing academics with sporting excellence, he continues to inspire his peers through his commitment, perseverance and pursuit of excellence.



HEARTY CONGRATULATIONS!



We are proud to share that our faculty members have successfully qualified the **UGC – NET June 2026 Examination**.

Your hard work, dedication and perseverance are truly inspiring! ★

Mr. Mohammed Ismail Razee
Assistant Professor



Ms Aqsa Bashir
Assistant Professor



Mr Jatin
Assistant Professor



Mr. Suhel Khan
Assistant Professor



Mr. Suraj C Gowda
Assistant Professor



Wishing you all continued success
in all your future endeavors! ✨

Congratulations once again! ★



Let's all join in to applaud and celebrate this wonderful achievement.
Please share your wishes in the group!



**PRESIDENCY SCHOOL OF
INFORMATION SCIENCE**

We are proud of you! ✨

Research Frontiers

Dr. R. Mahalakshmi, and Ms Nithyashree DR contributed to the research paper "Actionable Satellite Image Super-Resolution for Precision Agriculture: A Systematic Review of Deep Learning Methods," presented and published at the 7th International Conference on Advances in Computer Engineering and Communication Systems (ICACECS 2026)



Dr. R. Mahalakshmi
Professor & Dean



Ms Nithyashree DR
Research Scholar

Mr. Venkoba Kutagamari has achieved a significant research milestone with the registration of two innovative designs with the Intellectual Property Office, Government of India, on Medical Diagnostic Console and Predictive Fault Detection Sensor reflecting a strong commitment to innovation and technology driven research.



Mr. Venkoba Kutagamari
Assistant Professor - Grade 1

Dr. K. Prakash, along with co-authors, has contributed Chapter titled as "AI-Driven Drug Discovery: Accelerating Therapeutic Innovation through Genomics," to Wiley's 2026 book Pharmacogenomics Using Artificial Intelligence: Optimizing Drug Response through Personalized Genomic Analysis.



Dr. K. Prakash
Assistant Professor

Dr. M. Sudharsan, along with co-authors, has contributed Chapter titled as "Deep Learning and Neural Networks: Unlocking Complex Patterns in Genomic Medicine," to Wiley's 2026 book Pharmacogenomics Using Artificial Intelligence: Optimizing Drug Response through Personalized Genomic Analysis.



Dr. M. Sudharsan
Assistant Professor

Dr. S. Usharani has successfully completed the UGC-Sponsored Online Faculty Induction Programme-14 conducted by the UGC-Malaviya Mission Teacher Training Centre, Bharathiar University, from 3 to 30 July 2026, securing an A+ grade.



Dr. S. Usharani
Assistant Professor

Research Frontiers

Ms. T. Lalitha successfully completed a 40-hour online Training Programme-cum-Faculty Development Programme (FDP) on "Big Data Analytics and Generative AI for Industry 4.0 Applications", held from 15–26 July 2026, strengthening her knowledge of emerging technologies and their applications in Industry 4.0.



Dr. T Lalitha
Professor

Ms. S. Nithya presented her research paper, "Multi Label Chest X-Ray Classification Using DenseNet with Explainable AI," at the 9th International Conference on Computing Methodologies and Communication (ICCMC 2026), held at Surya Engineering College, Erode, during 8–10 July 2026.



Dr. S Nithya
Assistant Professor

Kuppala Saritha presented the research paper "A Decoherence Minimization Theorem using the Lindblad Master Equation with Reinforcement Learning-Based Quantum Control" at the International Conference on Secure Information Systems and Technologies.



Dr. Kuppala Saritha
Professor

Dr. Alamelu Mangai J. and Ms. Neha Seirah Biju won the Best Paper Award at ICACECS 2026 for their research on "A Trustful Task-Based Multi-Modal RAG Using LangChain for Research Knowledge Management in Academics."



Dr. Alamelu Mangai J
Professor



Ms. Neha Seirah Biju
Assistant Professor

Dr. Riyazulla Rahman J has achieved a notable research milestone as one of the inventors of the registered design patent on "Cybersecurity Device for Preventing Cloud Data Breaches", registered with the Intellectual Property Office, Government of India.



Dr. Riyazulla Rahaman J
Assistant Professor-Senior Scale

Dr. S. Krithika has successfully completed the UGC-Sponsored Online Faculty Induction Programme-14 conducted by the UGC-Malaviya Mission Teacher Training Centre, Bharathiar University, from 3 to 30 July 2026, securing an A+ grade.



Dr. S. Krithika
Assistant Professor

Research Frontiers

Dr. Hashmat Fida has successfully achieved the prestigious Senior Member Grade of the Institute of Electrical and Electronics Engineers (IEEE) and has also become a member of the IEEE Systems, Man, and Cybernetics Society (SMC).



Dr. Hashmat Fida
Assistant Professor

Ms. Nagama Fariyal successfully completed the NPTEL course "The Joy of Computing using Python" offered by IIT Madras during January–April 2026, securing an Elite certification with a consolidated score of 85%.



Ms. Nagama Fariyal
Assistant Professor

MS. Neha Arora, Dr. Debasmita Mishra, and Dr. Srabana Pramanik published the research article "Artificial Intelligence and Intelligent Decision Support Systems: Emerging Trends and Applications in Computer Science" in the Journal of Intelligent Decision Making and Information Science (2026),



Ms. Neha Arora
Assistant Professor



Dr. Debasmita Mishra
Assistant Professor



Dr. Srabana Pramanik
Assistant Professor
Senior Scale

Ms. G. S. Akshay has co-authored the textbook "Artificial Intelligence and Blockchain: Concepts and Applications," offering comprehensive insights into the concepts and practical applications of two transformative technologies.



Mr. G S Akshay
Assistant Professor

Ms. Sumita Guddinwas invited as a Guest Lecturer and Guest of Honour at Government Polytechnic College, Rajanukunte, where she conducted the session "Beyond CGPA: Building Your Success Story," focusing on skills, communication and career readiness.



Ms. Sumita Guddin
Assistant Professor

DEPT NEWS

● M.Tech/MCA

● B.Tech

● BCA

● B.Sc.

Presidency University and ProAzure Forge Industry Academia Partnership

Presidency University, Bengaluru, signed an MoU with ProAzure Software Solutions Pvt. Ltd, Pune, on 14 August 2026, marking a significant step towards strengthening industry-academia collaboration.

The partnership aims to provide students with greater exposure to real-world industry practices and emerging technologies. It will create opportunities for internships, industry-oriented training, technical workshops, seminars, webinars and expert interactions. The collaboration will also support Faculty Development Programmes and placement-related initiatives, strengthening professional learning and career readiness.

The MoU reflects a shared commitment to innovation, skill development, experiential learning and professional growth. By bridging academic learning with industry expectations, the initiative is poised to enhance students' technical competencies and employability.

The ceremony marked the beginning of a promising partnership focused on creating impactful opportunities for students and faculty.



DEPT NEWS

● M.Tech/MCA

● B.Tech

● BCA

● B.Sc.

Orientation Programme 2026: A New Beginning for MCA, M.Tech., and M.Sc. Data Science

The Orientation Programme 2026 for MCA, M.Tech, and M.Sc. Data Science students was held on 19 August 2026 at Presidency University, Bengaluru, marking the beginning of an exciting academic journey. The programme welcomed 240 students and provided insights into academics, research, innovation, emerging technologies, internships, certifications, and career opportunities. The event was graced by Mr. Dinesh Khanna, Global Head, Zoho Corporation, as the Chief Guest, and Dr. Chinmay Khole, Head, Product Management & Quality Excellence, Wipro Linecraft AI Pvt. Ltd, as the Guest of Honour. The inspiring sessions encouraged students to embrace continuous learning, innovation, and problem-solving skills. Overall, the programme created a positive and future-ready beginning to the students' postgraduate journey.





Presidency School of Information Science (PSIS)
Presidency School of Artificial Intelligence & Advanced Computing (PSAIAC)
Presidency School of Computer Science and Engineering (PSCS)
Presidency School of Engineering (PSOE)

Cordially invites you to the
**Inauguration
& Orientation Program**
MCA | M.Tech. | M.Sc. Data Science
August 19, 2026 | 10:00 AM



Mr. Dinesh Khanna
Global Head
Zoho Corporation Pvt Ltd.
Chief Guest



Dr. Chinmay Khole
Head - Product Management & Quality Excellence
Wipro Linecraft AI Pvt Ltd.
Guest of Honour



Campus : Presidency University, Rajanukunte, Yelahanka, Bengaluru - 560119

DEPT NEWS

● M.Tech/MCA

● B.Tech

● BCA

● B.Sc.

Faculty Development Programme on MERN & Java Full Stack Development

The School of Information Science, Presidency University, successfully organized a Five-Day Faculty Development Programme (FDP) on "MERN & Java Full Stack Development for Scalable Web Applications" from 13–17 July 2026. The programme provided faculty members with hands-on exposure to MongoDB, Express.js, React.js, Node.js, Java, Spring Boot, REST APIs, and database integration.

Industry experts conducted interactive sessions combining theory, live demonstrations, coding exercises, and practical activities. The FDP strengthened participants' technical and pedagogical skills and enhanced their understanding of scalable, industry-oriented web application development. The programme successfully bridged the gap between academia and industry, equipping faculty with contemporary technologies and practices for effective teaching and student projects. .



The poster for the Five Days FDP on "MERN & Java Full Stack Development for Scalable Web Applications" features the Presidency University logo and School of Information Science header. It includes logos for React, Node.js, and Java. The event dates are July 13-17, 2026, from 9:30 AM to 4:00 PM at DTL - 01. Four industry experts are listed: Nagasankar C (Consultant, Program Management, DELL), Rahul Raj (Software Engineer, SP Plus Corporation), Gowtham (Full Stack Developer, MR Cooper), and Mayur Hegde (Software Engineer, Techpearl Software). At the bottom, the convenor is Dr. Mahalakshmi R. (Associate Dean, PSIS) and the co-convenor is Dr. Renuka Devi M. (Head-MCA, PSIS). Faculty coordinators are Mr. Faizan Anwar Khan (Assistant Professor, PSIS) and Ms. Ghazala Zameer (Assistant Professor, PSIS).



DEPT NEWS

● M.Tech/MCA

● B.Tech

● BCA

● B.Sc.

Together We Grow: PSIS Faculty Team Retreat 2026

The School of Information Science (PSIS), Presidency University, Bengaluru, hosted a Faculty Team Retreat on 1 August 2026 at Ankit Vista Green Village Resort, Nelamangala. Bringing together 46 faculty members, the retreat offered a refreshing blend of recreation, relaxation and meaningful interaction.

The day commenced with faculty members assembling at the Presidency University campus, from where they travelled together to the resort by university transport. The outing was planned with the objective of fostering collaboration, enhancing team spirit and promoting a healthy work-life balance among faculty members.

The event featured a variety of engaging indoor and outdoor team-building activities, recreational games and interactive sessions that encouraged collaboration, communication and mutual support. Faculty members enthusiastically participated in the activities, creating an atmosphere of energy, enthusiasm and togetherness.



The poster for the PSIS Faculty Team Retreat 2026 features the university's logo at the top, followed by the text 'PRESIDENCY UNIVERSITY SCHOOL OF INFORMATION SCIENCE (PSIS) TEAM RETREAT'. Below this, it says 'Together. Collaborate. Celebrate.' and 'A day to unwind, connect, and create stronger bonds as one PSIS family.' The poster lists the date as 01 August 2026 (Saturday), time as 9:00 AM - 6:00 PM, and venue as Ankit Vista Green Village Resort, Nelamangala. It also mentions transportation by university bus from campus to resort and back. A section titled 'LOOK FORWARD TO' lists activities: Team Bonding & Collaboration, Fun Games & Team Activities, Adventure Activities, Swimming Pool & Relaxation, Delicious Food & Refreshments, and Music, Fun & Memories. The poster includes a photo of a swimming pool and a message of thanks to the Management and PVC Sir. At the bottom, it lists the Convenor (Dr. Mahalakshmi R, Associate Dean, PSIS), Co-Convenors (Dr. Renuka Devi M, Head MCA, PSIS and Dr. Vetrinani Elangovan, Head BCA, PSIS), and Faculty Coordinators (Mr. Dinesh N, Assistant Professor, PSIS).

PRESIDENCY UNIVERSITY
SCHOOL OF INFORMATION SCIENCE (PSIS)
TEAM RETREAT
Together. Collaborate. Celebrate.
A day to unwind, connect, and create stronger bonds as one PSIS family.

DATE
01 AUGUST 2026
SATURDAY

TIME
9:00 AM - 6:00 PM

VENUE
ANKIT VISTA
GREEN VILLAGE RESORT
NELAMANGALA

TRANSPORTATION
UNIVERSITY BUS
FROM CAMPUS TO RESORT
& BACK TO CAMPUS

LOOK FORWARD TO

- TEAM BONDING & COLLABORATION
- FUN GAMES & TEAM ACTIVITIES
- ADVENTURE ACTIVITIES
- SWIMMING POOL & RELAXATION
- DELICIOUS FOOD & REFRESHMENTS
- MUSIC, FUN & MEMORIES

We extend our sincere thanks to the Management and our Respected PVC Sir for their support towards faculty well-being and team building.
Let's relax, recharge and return with renewed energy!
TOGETHER WE GROW. TOGETHER WE ACHIEVE!

CONVENOR:
Dr. Mahalakshmi R
Associate Dean, PSIS

CO-CONVENORS:
Dr. Renuka Devi M
Head MCA, PSIS
Dr. Vetrinani Elangovan
Head BCA, PSIS

FACULTY COORDINATORS:
Mr. Dinesh N
Assistant Professor
PSIS



DEPT NEWS

● M.Tech/MCA

● B.Tech

● BCA

● B.Sc.

Together We Grow: PSIS Faculty Team Retreat 2026

The outing also provided an excellent platform for informal interactions, enabling colleagues to exchange ideas and build stronger professional bonds. The shared experiences throughout the day reinforced the values of teamwork, trust and cooperation that contribute to the University's vibrant academic environment.

The PSIS Faculty Team Outing concluded on a cheerful note, leaving participants with memorable experiences and renewed motivation. The initiative reflects Presidency University's continued commitment to fostering a positive workplace culture, employee well-being and a collaborative academic community.



DEPT NEWS

● M.Tech/MCA

● B.Tech

● BCA

● B.Sc.

7th International Conference on Advances in Computer Engineering and Communication Systems (ICACECS 2026)

Presidency School of Information Science (PSIS), Presidency University, Bengaluru, hosted the Bengaluru segment of the 7th International Conference on Advances in Computer Engineering and Communication Systems (ICACECS 2026) on 6 August 2026. The two-day conference, held on 6–7 August 2026, was organised by the Department of Computer Science and Engineering, VNR VJIEIT, Hyderabad, in collaboration with the College of Information, University of North Texas, USA, with Presidency University serving as a co-located venue.

ICACECS 2026 brought together researchers, academicians, students and industry professionals to discuss emerging developments in computer engineering and communication systems. The conference covered areas including Artificial Intelligence and Machine Learning, Deep Learning, Data Analytics, Quantum Computing, Cybersecurity, Cloud Computing and IoT, Distributed Computing, Generative AI, Natural Language Processing, Smart Systems and Communication Networks.

Inaugural Ceremony

The inaugural ceremony was presided over by Dr S. J. Thiruvengadam, Vice Chancellor, Presidency University, and attended by Dr S. Sivaperumal, Pro Vice Chancellor and Director – International Relations; Dr Venkateswaran S., Registrar; Dr R. Mahalakshmi, Dean, PSIS; Dr Renukadevi M., Head – PG pision, PSIS; and Dr Vetrimani Elangovan, Head – UG pision, PSIS.

Dr R. Mahalakshmi, Dean, PSIS, delivered the Welcome Address, highlighting the importance of research-driven learning and engagement with emerging technologies.



DEPT NEWS

● M.Tech/MCA

● B.Tech

● BCA

● B.Sc.

7th International Conference on Advances in Computer Engineering and Communication Systems (ICACECS 2026)

Keynote Address

Ms Rajalakshmi Srinivasan, Director – Product Management, Zoho Corporation Pvt. Ltd, Chennai, was the Chief Guest and keynote speaker. Her keynote, "Intelligent Computing and Emerging Technologies: Shaping the Future of Digital Transformation," offered insights into intelligent computing, leadership, emerging technologies and the evolving digital landscape.

The Pro Vice Chancellor, Registrar and Vice Chancellor also addressed the gathering, emphasising academic excellence, global engagement, technological advancement and research.

Two technical tracks were conducted at the Presidency University venue, with Dr Vijayalakshmi P. and Dr Komalavalli C. serving as Session Chairs.

Presidency University recorded nine accepted research papers, with two papers receiving Best Paper Awards across different technical tracks. The papers were peer-reviewed based on originality, innovation, technical depth, relevance, contribution and readability.

The conference provided an opportunity for researchers, faculty, students and industry professionals to present their work, exchange perspectives and explore avenues for future academic and professional engagement.

The successful conduct of the Bengaluru segment reaffirmed Presidency University's commitment to research excellence, scholarly exchange and engagement with emerging technologies.



DEPT NEWS

● M.Tech/MCA

● B.Tech

● BCA

● B.Sc.

Inauguration of the Computer Society of India (CSI) – Student Chapter

The Presidency School of Information Science (PSIS), Presidency University, Bengaluru, inaugurated its Computer Society of India (CSI) Student Chapter on 28 August 2026 in association with the CSI Bangalore Chapter. The event brought together around 100 students, faculty members and guests.

The highlight of the programme was an inspiring expert talk, "Empowering India's Youth – Enabling Innovation and Entrepreneurship," delivered by Dr. Bhanumathi K. S., Former Scientist, DRDO, Bengaluru. The session encouraged students to develop innovation, creativity, problem-solving skills and an entrepreneurial mindset.

The inauguration also featured the traditional lamp-lighting ceremony and the distribution of CSI Membership ID cards to the students, followed by an interactive Q&A session. The newly established chapter aims to provide students with opportunities for technical learning, networking, workshops, competitions and professional development.

PRESIDENCY SCHOOL OF INFORMATION SCIENCE (PSIS)

Cordially Invites You to the

INAUGURATION OF COMPUTER SOCIETY OF INDIA STUDENT CHAPTER

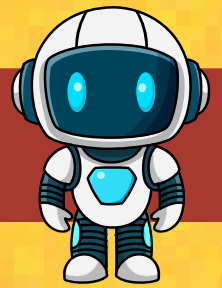
EMPOWERING INDIA'S YOUTH – ENABLING
INNOVATION AND ENTREPRENEURSHIP

August 28, 2026 | 09:30 AM – 11:00 AM
Seminar Hall 2, F Block



Dr. Bhanumathi K. S.
Former Scientist, Defence Research & Development
Organisation (DRDO), Bengaluru

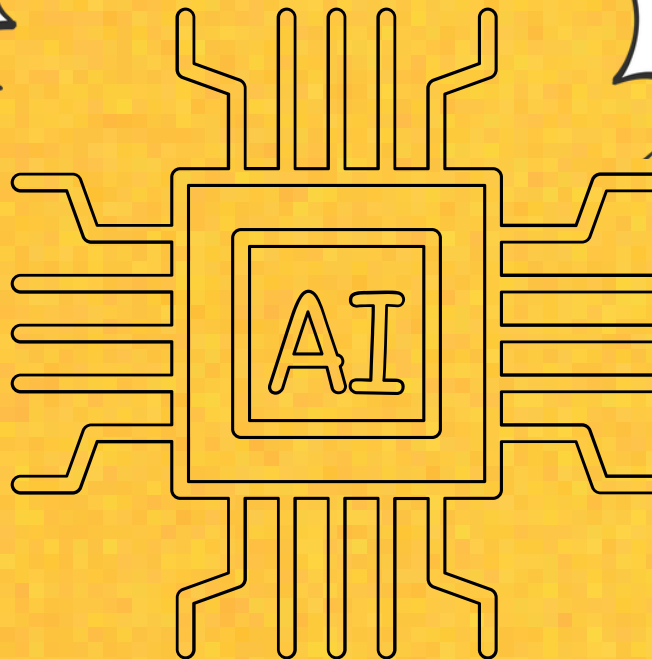




90% – Around 90% of professional developers surveyed by JetBrains reported using AI coding agents at work at least weekly in 2026.

The new debugging loop – Modern AI-assisted development often follows: Prompt → Generate → Run → Review → Refine.

AI Agents are the new pair programmers – Coding tools are moving beyond autocomplete to planning, editing, testing and executing development tasks.



Codex is catching up – OpenAI's Codex went from 3% adoption in January to 16% in May–July 2026 in JetBrains' survey.

Open source is entering the vibe – Open-source coding agents such as OpenCode are gaining adoption alongside commercial AI coding assistants.

The developer's skillset is shifting – Context management, evaluation, debugging and verification are becoming increasingly important alongside traditional coding skills.

VIBE CHECK



AI will replace programmers

AI is changing how software is developed, but software development involves much more than writing syntax.
The programmer of the future may write less code, but may spend more time thinking about the code.

Because knowing what to ask is only half the job. Imagine asking AI to build a bridge without understanding structural engineering. You might get something that looks like a bridge – but you wouldn't know whether it is safe. AI can generate code.
Knowledge helps you judge it.

If AI can build it in minutes, why learn coding?

Vibe coding is only for beginners.

Experienced developers can benefit significantly from AI-assisted coding. The difference is that experienced developers are often better positioned to recognize incorrect or risky output.
AI can help beginners build.
Expertise helps them build responsibly.

PROMPT MAKEOVER

Create an attendance management system for students.

Instead try this

"Build a responsive student attendance dashboard for a university. Create separate views for faculty and students. Faculty should be able to select a course, semester and section, mark attendance, edit previous records and view attendance percentages. Students should be able to view attendance by course and receive a warning when their attendance falls below 75%. Use a clean, modern interface with a dashboard layout, responsive design and accessible form controls. Use sample data initially and structure the code so that a database can be connected later."

Redesign my developer portfolio with a minimalist professional aesthetic. Use a dark theme, strong visual hierarchy and subtle animations. Include sections for About, Skills, Projects, Experience and Contact. Keep the navigation simple and make the layout responsive for desktop, tablet and mobile. Avoid excessive animations and prioritize readability and fast loading.

Make my portfolio website attractive

Instead try this

Make an online learning platform

Instead try this

Build a responsive online learning platform for college students. Include separate dashboards for students and teachers, course listings, video lessons, assignments, quizzes and progress tracking. Allow teachers to upload study materials and monitor student performance. Use a clean, modern interface with simple navigation, responsive design and an organized dashboard layout.

UNWIND ZONE

Across:

3. To produce new text, code, or visuals with AI(8).
5. The core goal behind a user's prompt or request(6).
9. Confidence in an AI's accuracy, safety, and reliability(5).
13. An AI-native code editor designed for software development(6).
14. To resolve an error or repair broken code(3).
17. An in-browser workspace for building and running full-stack apps(4).
18. Anthropic's advanced conversational AI model(6).
19. An error in code that causes unexpected behavior(3).
20. An AI programmed to take actions and complete tasks independently(5).

Down:

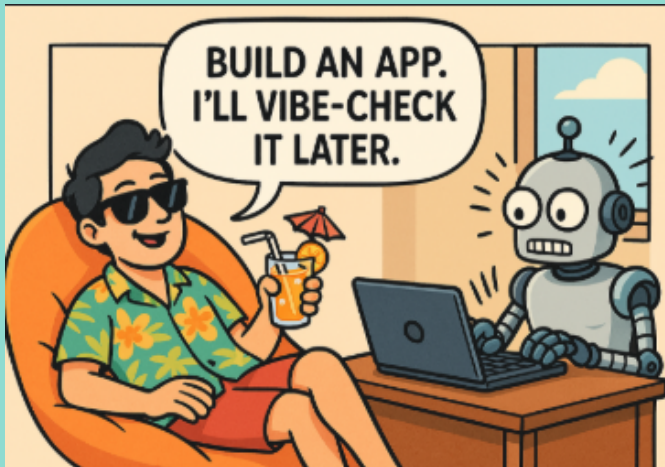
1. An early, experimental model built to test a concept or feature(9).
2. Building software naturally by guiding AI through plain spoken prompts(10).
7. A state of deep focus where coding feels effortless and continuous(4).
4. The process of finding and removing software errors(5).
6. A hardware component used to send and receive electromagnetic radio waves(7).
8. A cloud-based platform for instantly writing, running, and hosting code(6).
10. The instruction or input given to an AI model to guide its response(6).
11. An AI platform that turns prompt descriptions into functional web apps(7).
12. To execute code and see the program in action(3).
15. OpenAI's early AI model specialized in translating natural language to code(5).
16. A large language model trained to process and generate human text(3).

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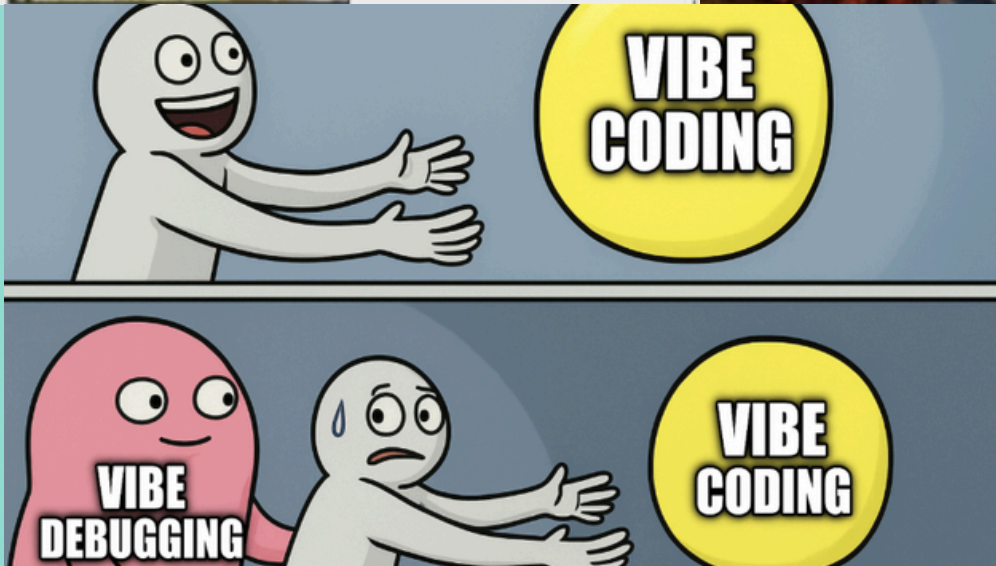
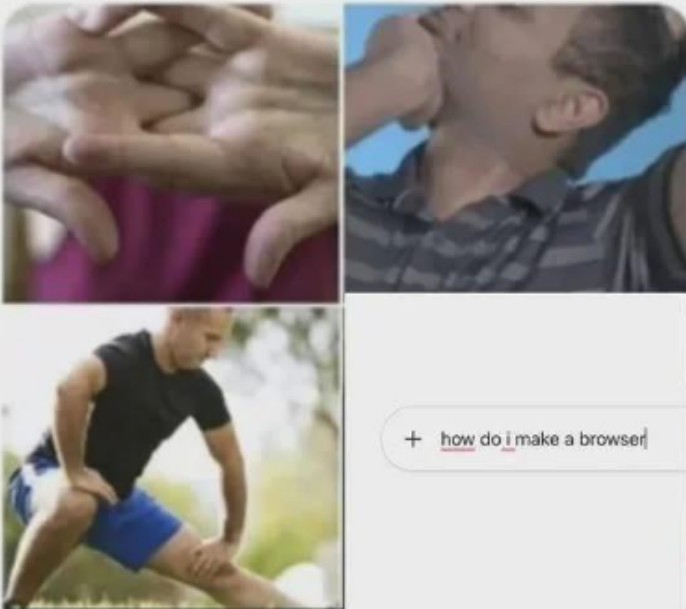


Ms. Lekhya Sree
Assistant Professor
Presidency School of Information Science
Presidency University, Bengaluru

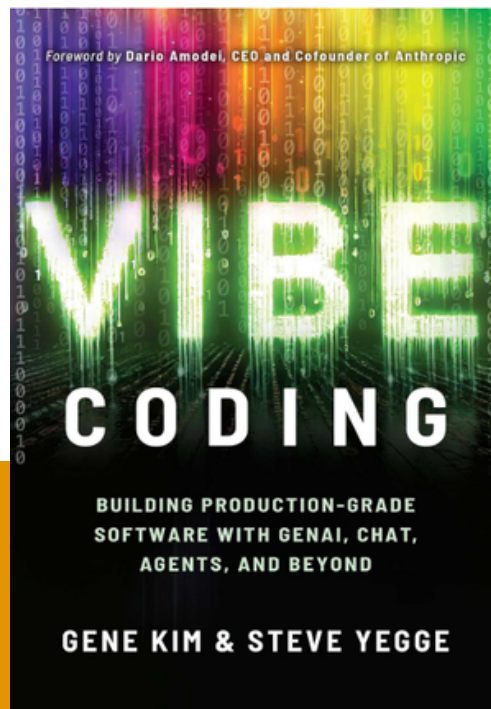
Vibe Coding: The Future of Software Development



vibe coders be like



**Best
Seller**



Book Review

Book Review: Vibe Coding: Building Production-grade Software With Genai, Chat, Agents, and Beyond

Author: Gene Kim, Steve Yegge

Genre: Computer Science

Rating: (4.5/5) ★★★★★

Co-authored by DevOps advocate Gene Kim (The Phoenix Project) and Big Tech veteran Steve Yegge (Google, Amazon, Sourcegraph), Vibe Coding tackles the seismic shift caused by Generative AI in modern software engineering. Originating from a phrase popularized in early 2025 by Andrej Karpathy, "vibe coding" refers to guiding software creation through plain-language intent rather than manual line-by-line syntax. Yegge and Kim elevate this concept beyond simple prompt hacking into a structured, production-ready engineering methodology for developers, team leads, and architects.

★ Why Read It?

- **Shift from Syntax to Strategy:** It explains how software engineers must transition from "code writers" to "head chefs" or "directors" who orchestrate AI agents, manage high-level design, and review outputs.
- **Practical Frameworks:** Introduces actionable constructs like FAAFO (Fast, Ambitious, Autonomous, Fun, and Optionality) and applies financial option-value formulas to quantify the speed and iteration benefits of AI development.
- **Hands-on Developer Guidance:** Provides real-world tactics for managing agent context windows, task delegation (drawing from management principles like Andy Grove's High Output Management), and error recovery.

**Warm Regards,
The Editorial Board**

✓ Strengths

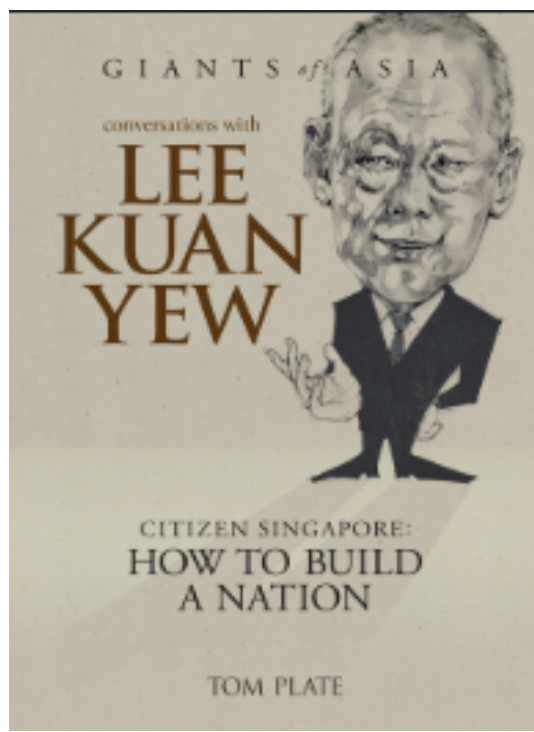
- **Credible Authorship:** Combines Kim's deep understanding of enterprise systems/DevOps with Yegge's decades of low-level software engineering experience.
- **Grounded in Reality:** includes real failure stories, disaster anecdotes, and an analysis of the "jagged frontier" where AI models unexpectedly struggle.

⚠ Criticism & Limitations

- **Verbose and Repetitive:** At nearly 400 pages, the book contains extensive introductory material and background narratives that could have been streamlined.
- **Surface-Level Theory:** Focuses heavily on workflow and process; readers looking for the mathematical foundations of LLMs or deep architectural details of agentic framework design will find it light.

★ Final Verdict

Vibe Coding is a timely, highly pragmatic guide that successfully bridge the gap between AI hype and real-world software delivery. While occasionally padded with filler, its practical insights on delegating to agents, maintaining code hygiene, and adapting developer workflows make it an essential read for engineers and engineering leaders navigating the GenAI transformation.



GIANTS OF ASIA – CONVERSATIONS WITH LEE KUAN YEW: CITIZEN SINGAPORE: HOW TO BUILD A NATION

Author: Tom Plate

Genre: Self-Help / Productivity / Personal
Development

Rating: (4.5/5) ★★★★★

In the inaugural installment of his Giants of Asia series, veteran American journalist and academic Tom Plate provides an intimate, candid look at Singapore's founding father, Lee Kuan Yew (LKY). Built primarily around a series of extended, informal interviews conducted in 2009 at the Istana, the book balances statecraft theory with personal narrative, attempting to humanize one of the modern world's most formidable political figures.

Key Themes & Strengths

- **Unfiltered Access:** Plate moves past standard policy briefs to capture LKY as a person—aging, unapologetic, and intensely pragmatic. Readers get a front-row seat to LKY's blunt views on geopolitics, civil liberties, Western media, and human nature.
- **Western Critique vs. Asian Pragmatism:** As an American journalist, Plate frequently pushes back on LKY's authoritarian reputation and tight control over Singaporean society. However, the strength of the dialogue lies in LKY's resolute defense: he prioritized stability, order, and economic survival over ideological ideals.
- **Conversational Tone:** Rather than a dense academic text, Plate writes in a breezy, narrative format. He includes details about LKY's health, demeanor, and subtle humor, making complex political science concepts easily digestible.

Criticism

- **Subjective Framing:** Readers looking for an objective, comprehensive biography may find Plate's self-referential writing style and frequent personal musings slightly distracting.
- **Lack of Deep Interrogation:** While Plate occasionally challenges LKY, critics argue he yields to LKY's charismatic dominance, leaving some controversial domestic policies under-explored.

★ Final Verdict

Tom Plate's Conversations with Lee Kuan Yew succeeds as a fast-paced, highly accessible entry point into Asian politics and statecraft. While its conversational, journalistic framing slightly sacrifices the rigorous pushback of a traditional biography, the book's true strength lies in capturing the raw pragmatism and formidable mind of Singapore's founding father. Ultimately, it delivers an engaging, essential read for anyone seeking to understand how unyielding realism and strategic vision transformed a tiny island nation into a global economic powerhouse.

Upcoming Faculty Development Programmes(FDPs)

Institute Name	FDP Thrust Area	FDP Title	Start Date	End Date	Link for registration
Research foundation of India	Engineering and Management	Capacity Building Program in Cybersecurity & Its Investigation”	23-11-2026	30-11-2026	https://researchfoundationofindia.com/ai-research-quality/
Research foundation of India	Engineering and Management	R Programming for Budding Data Analysts	16-11-2026	26-11-2026	https://atalacademy.aicte.gov.in/participant/workshop
Goa University	Engineering and Management	STP-Research Methodology & Publishing Academic Articles (Online)	21-10-2026	27-10-2026	https://mmc.ugc.ac.in/Home/ShortTermProgramme
Rustamji Institute of Technology	Engineering and Management	Machine Learning and AI for Advanced Automotive Engineering Systems	5-10-2026	15-10-2026	https://atalacademy.aicte.gov.in/participant/workshop
Amity University	Engineering and Management	Modern Approaches to Cyber Security, Cyber Law and Forensic Education: Trends, Challenges and Practices	5-10-2026	15-10-2026	https://conferences.amity.edu/FDP-FST2026/

Upcoming Research Proposals

Upcoming Research Proposals from August 2026

Sr.No	Details of Proposal	Details of proposal Link	Important Dates
1	Call for Proposal on Science Communication and Popularization	https://onlinedst.gov.in/Projectproposalformat.aspx?Id=23	The last date for submission is 30th September 2026
2	Call for project proposal Under the scheme Major and Minor Research Projects 2026-2027	https://icssr.org/announcements/call-project-proposals-under-scheme-major-and-minor-research-projects-2026-27	The last date for submission is 14th September 2026
3	Call For Submission Of Proposals Under VGST Scheme For FY 2026-27	https://vgstdst.karnataka.gov.in/uploads/Call%20for%20Proposals%202026-27_1788515985.pdf	The last date for submission is 25th September 2026
4	ANRF- Call for nominations under Ramanujan Fellowship	https://www.indiascienceandtechnology.gov.in/announcementsopportunity/anrf-call-nominations-under-ramanujan-fellowship	The last date for submission is 31st December 2026
5	Inclusivity Research Grant (IRG)	https://anrfonline.in/ANRF/inrg_anrf?HomePage=Ne	The last date for submission is 6th November 2026

Upcoming Conferences

Upcoming Conferences in 2026

Sr. No	Institute Name	Conference Name	Date	Link of WebPage	Last Date of Paper Submission
1	IFERP Academy	51st World Conference on Applied Science, Engineering & Technology (WCASET)	18 & 19 December, 2026	https://wcaset.com/bangkok/	10/25/2026
2	Institute of Management Studies, SBJS Rampuria Jain College, Bikaner, India	3rd International Conference on Deep Learning and Visual Artificial Intelligence (ICDLAI-2026)	21st & 22nd December, 2026	https://icdlai.in/	9/15/2026
3	Gopalan College of Engineering and Management	2027 International Conference on Advances in Next-Gen Computer Science (ICANCS)	22nd and 23rd January, 2027	https://sites.google.com/view/icancs-2027/home?authuser=0	10/1/2026
4	Sardar Vallabhbhai National Institute of Technology, Surat, India	7th International Conference On Computational Intelligence	28th & 29th December, 2026	https://scrs.in/conference/icc_i2026	10/18/2026
5	National Institute of Technology, Sikkim	5th Congress on Smart Computing Technologies	12th & 13th December, 2026	https://www.scrs.in/conference/csct2026	10/3/2026

UPCOMING EVENTS

15 September 2026

Guest Lecture on Java
Fullstack

15-17 September
2026

FDP on Data Analysis
and Decision Making
Using Statistical Tools

18 September
2026

Tech Talk on Agentic
AI

23 September 2026

Workshop on Python
Based Embedded
Systems and IoT Using
Raspberry Pi

5 October 2026

FDP on Quantum
Frontier: Computing,
Algorithms and
Applications

12 October 2026

CyberStorm 2026:
Cybersecurity Tech
Week (Tech Fest)

29 October 2026

Guest Lecture on
Generative AI

29 October 2026

AI Ethics and
Cybersecurity
Conclave: Expert
Panel Discussion &
Project Expo

31 October 2026

Global Education Fair -
2026

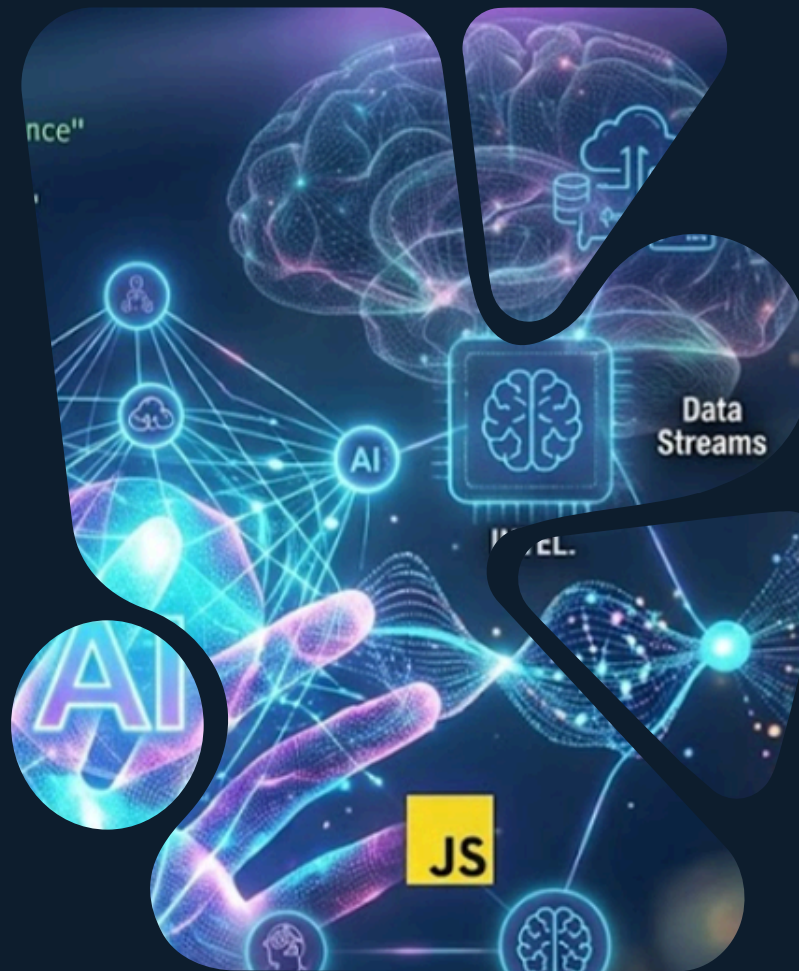
THE WRAP UP



As this edition of The Communique comes to a close, we reflect on the theme “Vibe Coding: The Future of Software Development.” We are entering a new era of software creation, where artificial intelligence, natural-language interaction, automation, and human creativity are transforming the way applications are imagined, developed, and delivered. Vibe coding represents a shift from writing every line of code manually to expressing ideas, experimenting rapidly, and collaborating with intelligent tools to bring solutions to life. It is not simply about coding faster but it is about reimagining how we build technology.

Key Takeaways from This Edition

- **Redefining Software Development:** Vibe coding is changing the traditional approach to programming by enabling developers to describe their ideas in natural language and work alongside AI-powered tools to create software more efficiently.
- **AI as a Development Partner:** Artificial intelligence is becoming an active collaborator in the development process, helping with code generation, debugging, testing, documentation, and rapid prototyping while allowing developers to focus more on creativity and problem-solving.
- **Creativity Meets Technology:** Vibe coding lowers the barrier between an idea and its implementation, empowering students, innovators, entrepreneurs, and developers to experiment with new concepts and transform creative ideas into functional digital solutions.
- **The Human Role Remains Essential:** While AI can generate code, human judgment, critical thinking, domain knowledge, and ethical decision-making remain crucial. Understanding what to build, why it should be built, and whether it works responsibly is just as important as writing the code itself.



Final Thoughts

“Vibe Coding: The Future of Software Development” is more than a technological trend; it represents a new way of thinking about how software is created. The future will belong not only to those who can write code, but also to those who can communicate ideas clearly, collaborate effectively with intelligent tools, think critically, and build with purpose. As technology continues to evolve, let us embrace the possibilities of AI-assisted development while keeping human creativity, curiosity, responsibility, and innovation at the centre. The future of software development is not just about coding—it is about turning ideas into impact.

Vision of Presidency School of Information Science

Vision	To be a global centre of excellence in information science and research, fostering innovation and producing professionals with integrity and ethical responsibility.
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Mission of Presidency School of Information Science

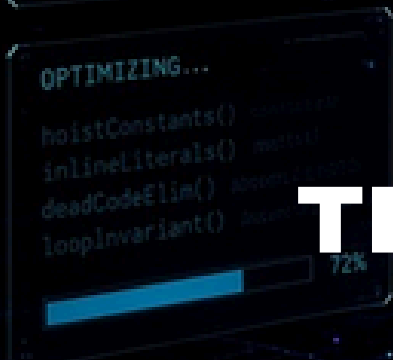
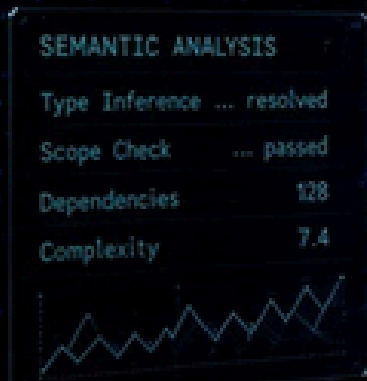
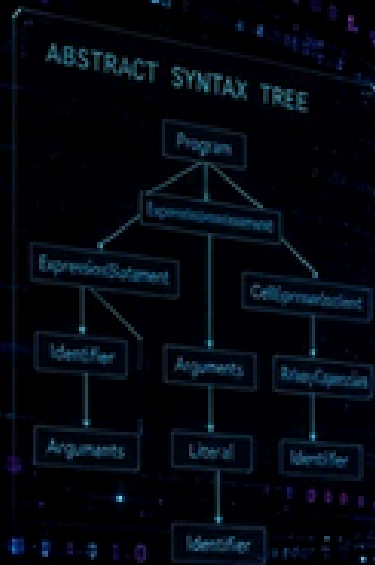
Mission	To provide high-quality education in information science, equipping students with strong technical expertise and problem-solving skills.
Mission	To promote research and innovation in information science and technology, addressing real-world challenges through industry collaboration.
Mission	To nurture graduates with strong ethical values and a commitment for lifelong learning for sustained professional growth in the IT sector and allied fields.

PROGRAM SPECIFIC OUTCOMES (PSOs) FOR BCA

PSO1	Disciplinary knowledge: Demonstrate comprehensive knowledge and understanding of Computer Applications, Data Science and AI/ML techniques.
PSO2	Problem Solving: Identify, formulate and apply appropriate techniques in the areas related to Software development, Big data, Network, Cloud computing technologies and related domains of varying complexities in real-time applications.
PSO3	Design/development of Applications: Design, develop, and test full stack applications by applying principles of software engineering, addressing real-world requirements across various domains.

Vibe Coding

The Future of Software Development
From Writing Code to Directing Intelligence



TRANSFORMATION
v2.7.4

EMERGENT STRUCTURE
→ LIGHT

THE COMMUNIQUE

VOLUME 2 ISSUE 6

VIBE CODING
FROM CODE TO LIGHT

