PRESIDENCY UNIVERSITY
Established under Section 2(f) of UGC Act, 1956 Approved by AICTE, New Delhi | Approved By BCI | NAAC 'A' Accredited
BENGALURU

The Communique

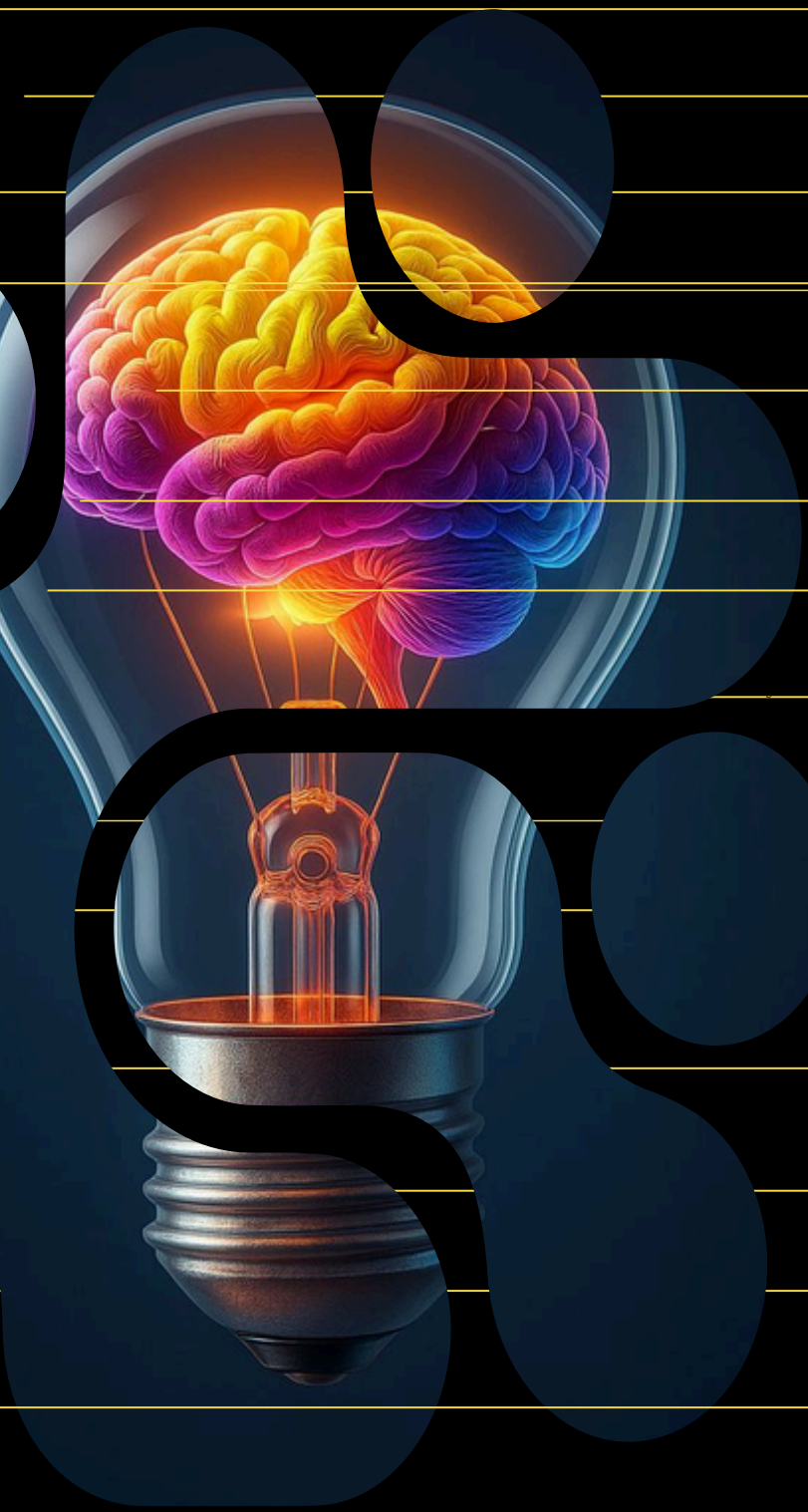
Presidency School of Computer Science & Engineering
&
Presidency School of Information Science

A Ethical Intelligence: Building Trust in a Digital World

December 2025

VOLUME 2 | ISSUE 2

TABLE OF CONTENTS



LETTER FROM THE EDITOR

From Insights to Impact—Lead the Change

We live in a time where technology is moving faster than our ability to pause and reflect. Artificial Intelligence is no longer distant - it is embedded in our classrooms, workplaces, healthcare systems, and everyday decisions, raising an important question: not how intelligent our systems are, but how ethically they think and act.

Ethical Intelligence places human values at the core of digital innovation. It encourages the design of systems that are fair, transparent, and accountable systems people can trust. As algorithms increasingly shape decisions, trust becomes the key to meaningful and responsible digital progress.

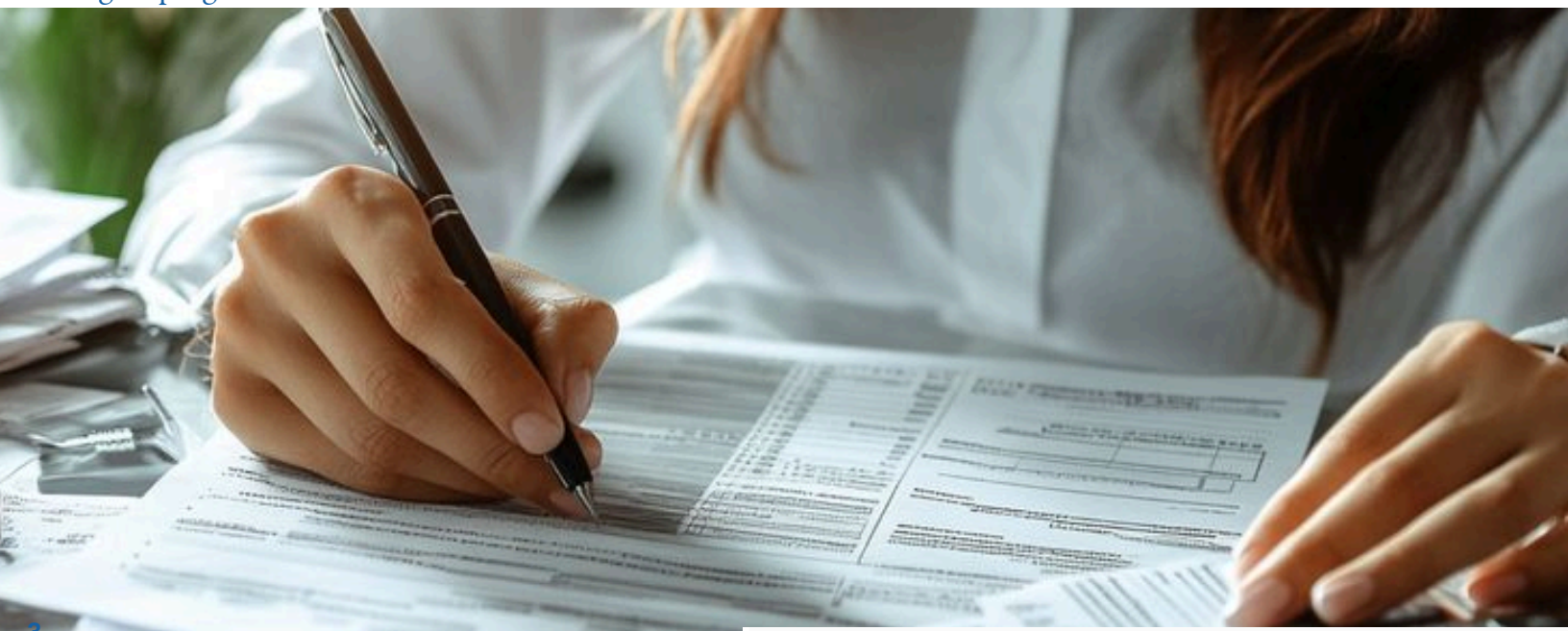
This edition of The Communique, themed "Ethical Intelligence: Building Trust in a Digital World," brings together diverse ideas and perspectives that explore responsible AI, data privacy, inclusive design, and ethical governance. Across sectors and disciplines, we examine how technology can remain powerful yet principled, advanced yet humane.

Progress should never come at the cost of integrity. As we build smarter systems, we must also build safer and more responsible ones guided by empathy, purpose, and a strong sense of social responsibility.

Ethical intelligence reminds us that technology should amplify human potential rather than replace human judgment.

We invite you to engage with this edition as a space for reflection and dialogue. The future of the digital world will not be defined by code alone, but by the values we choose to embed within it. Trust, once earned, becomes the strongest bridge between innovation and society—and it is this trust that will shape a truly sustainable digital future.

The Editorial Board



FROM THE HELM

It is my privilege to present this edition of The Communique, themed "Ethical Intelligence: Building Trust in a Digital World." This theme reflects a defining responsibility of our time—advancing digital intelligence while ensuring it remains transparent, fair, and aligned with human values.

Today, Artificial Intelligence influences learning environments, digital services, and decision-making systems across sectors. As these technologies evolve rapidly, trust in digital systems depends not merely on innovation, but on how responsibly they are designed, deployed, and governed. Ethical intelligence emphasizes fairness, accountability, inclusivity, and respect for privacy—principles essential for sustaining confidence in an increasingly connected world.

India has taken significant steps in this direction. Through national initiatives led by the Ministry of Electronics and Information Technology under the IndiaAI Mission, the Government of India has emphasized responsible, people-centric, and trustworthy AI practices. These efforts reflect a strong national commitment to ensuring that digital progress serves society with integrity and purpose.

For the academic community, this responsibility holds special significance. Educational institutions play a critical role in shaping both technically competent professionals and ethically aware digital citizens. At Presidency University, we embrace this responsibility by fostering a culture where technological excellence is balanced with ethical awareness, ensuring that digital intelligence remains a force that empowers individuals and uplifts communities.

This edition of The Communique reflects that commitment —bringing together perspectives that place responsibility alongside innovation. It serves as a reminder that true intelligence lies not merely in advanced systems, but in their ability to respect, empower, and benefit humanity.

Best Regards,

Prof. (Dr.) S. Sivaperumal
B.E. (ECE), M.E. (VLSI), Ph.D. (Control Systems), Ph.D. (Communication Systems), FIE., FIETE., SMIEEE., MISTE.
Pro-Vice Chancellor
Director – International Relations
Professor – Electronics and Communication Engineering
Presidency University, Bengaluru

FROM THE HELM

I am pleased to present this edition of The Communique, themed ***"Ethical Intelligence: Building Trust in a Digital World"***—a theme that highlights a crucial evolution in technology, where intelligence is measured not only by speed or accuracy, but by responsibility, fairness, and societal impact.

Today, intelligent systems are increasingly capable of learning, predicting, and even generating content. What makes ethical intelligence especially relevant is the growing realization that algorithms often reflect human choices, values, and biases. This understanding reminds us that technology is never neutral; it mirrors the intent and awareness of those who design and use it. Building trust, therefore, begins with ethical thinking at the point of creation.

In academic environments, this insight holds special importance. Universities are not merely centers of technical training, but spaces where critical thinking and responsible innovation are cultivated. By encouraging students to question how data is used, how decisions are automated, and how digital systems affect society, ethical intelligence becomes an integral part of learning rather than an afterthought.

At Presidency University, the School of Computer Science and Engineering and the School of Information Science are committed to fostering this balanced approach. Through curriculum design, research initiatives, and experiential learning, we aim to prepare students who are not only proficient in emerging technologies, but also mindful of their ethical responsibilities in a digital society.

This edition of The Communique reflects that spirit—bringing together perspectives that emphasize trust, accountability, and human purpose alongside technological advancement. I invite you to explore these pages and reflect on how ethical intelligence can guide us toward a more responsible, inclusive, and trustworthy digital future.

Best Regards,
Prof. (Dr.) N. Duraipandian M.E.,Ph.D.,
Dean - Presidency School of Computer Science and Engineering & Information Science
Presidency University, Bengaluru

THE TEAM

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

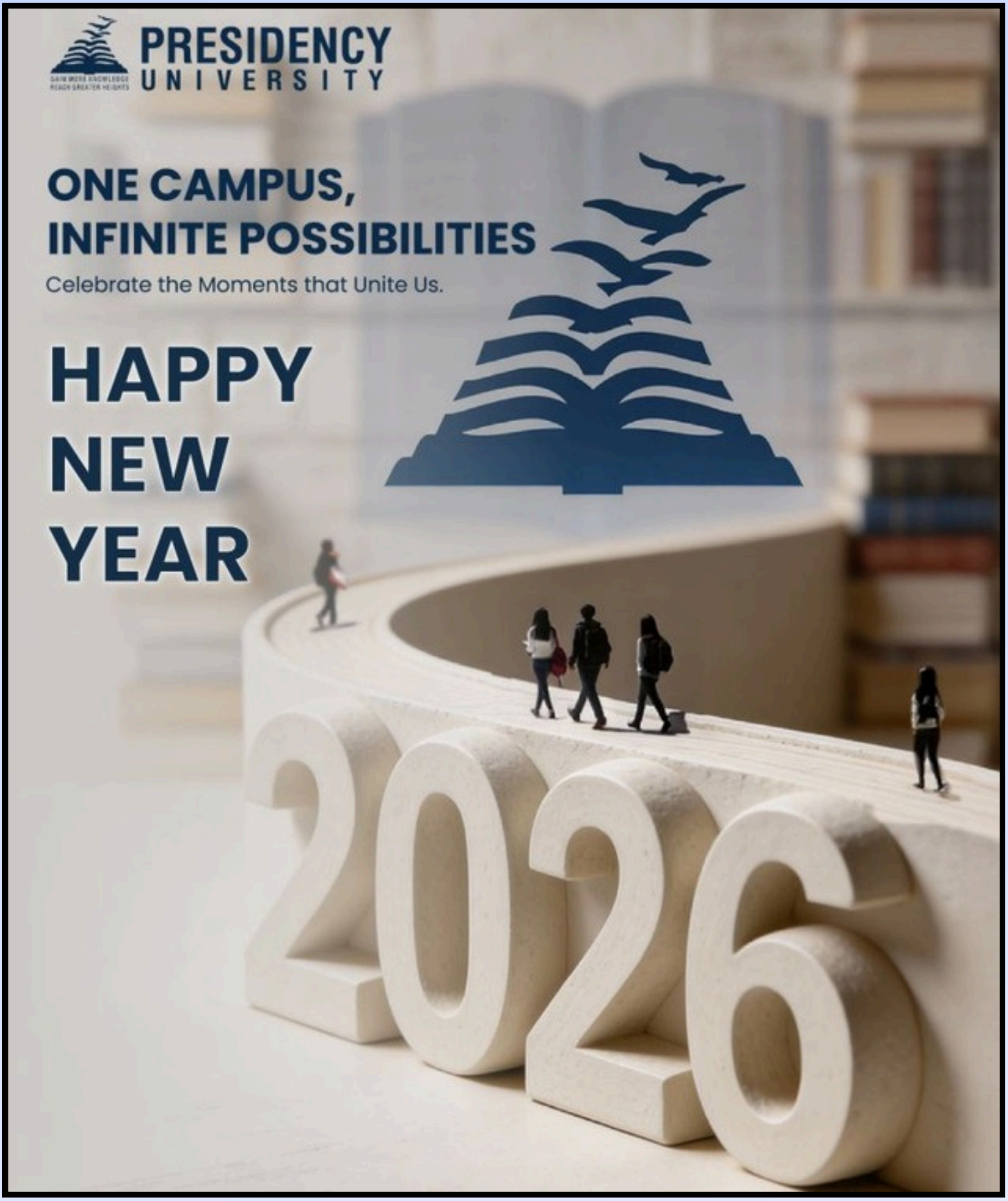
DR. R. MAHALAKSHMI
EDITOR -IN-CHIEF

MS. NEHA ARORA
EDITOR

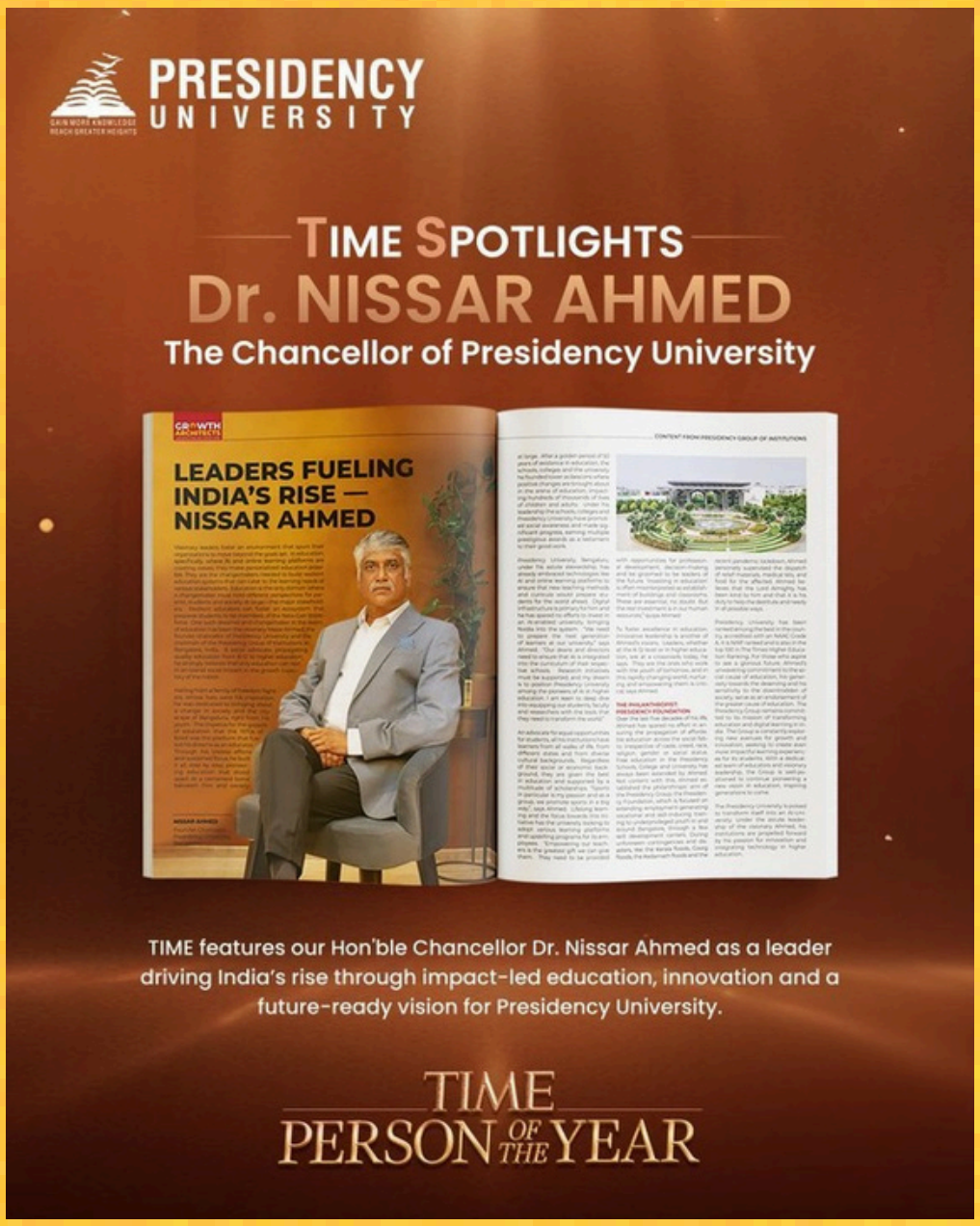
MS. DEVI S
EDITOR

DR. SRABANA PRAMANIK
SUB EDITOR

School of Computer Science & Engineering and School of Information Science wishes a very Happy New Year to all



TIME Spotlight Honour for Dr. Nissar Ahmed: A Visionary Leading India's Educational Rise



TIME honours our Chancellor Dr. Nissar Ahmed for his remarkable leadership in shaping India's educational growth. This recognition highlights his commitment to quality, innovation, and global academic excellence.

Warm congratulations from the School of CSE and the School of Information Science on this proud achievement.

The Moral Compass: Why Ethical Intelligence is the Key to Digital Trust?

The New Digital Literacy

For decades, digital intelligence meant technical skill—coding, system design, and data management. However, as algorithms increasingly shape decisions like loan approvals, hiring, and social interactions, a new form of intelligence has become essential: Ethical Intelligence (EI).

Ethical Intelligence is the ability to recognize and manage the moral dimensions of technology, going beyond legal compliance to ensure fairness, transparency, accountability, and positive human impact in digital systems.

Core Components of Ethical Intelligence

EI consists of several key competencies that today's professionals must develop.

- **Ethical Sensitivity** is the ability to recognize when a technological decision has moral implications or the potential to cause harm, such as understanding that AI trained on biased historical data will produce biased outcomes.
- **Ethical Reasoning** involves applying structured moral frameworks—such as utilitarianism or deontology—to analyze complex dilemmas. A common example is debating whether the benefits of widespread facial recognition for public safety outweigh the loss of individual privacy.
- **Ethical Motivation** reflects a commitment to place ethical values above profit or convenience. This may require delaying product deployment until fairness testing is complete, even when financial or competitive pressures exist.
- **Ethical Action and Implementation** require translating ethical intent into practice by embedding safeguards into systems and clearly communicating ethical concerns. Designing interfaces that make privacy controls visible and accessible—often described as "Privacy by Design"—is a practical illustration.

Why EI Matters?

The rise of powerful and often opaque technologies has made Ethical Intelligence essential for building and sustaining digital trust. Algorithmic bias demands fairness testing and data auditing. Black-box systems require transparency and explainable AI. Data exploitation calls for privacy-by-design architectures, while unintended consequences necessitate ethical impact assessments conducted before deployment, not after failure.

EI as a Competitive Advantage

In today's digital economy, Ethical Intelligence is becoming a competitive advantage. Organizations that demonstrate EI through transparent systems and responsible practices earn deeper trust and long-term loyalty. Building digital trust is no longer a cost—it is a measure of true technological success and a foundation for sustainable innovation.

Dr. Kuppala Saritha
Professor, PSIS
Presidency University, Bengaluru

Ethical Intelligence: Establishing Credibility in the Digital Age

Trust is now just as important to technology adoption in today's increasingly digital world as performance and creativity. Building such trust largely depends on ethical intelligence—the capacity of individuals and systems to behave morally and transparently. Beyond technical proficiency, ethical intelligence encompasses the attitudes, practices, and governance structures that ensure technology serves society and individuals rather than working against them.

As digital technologies increasingly influence how people interact, collaborate, and make decisions, trust has become a critical concern. Building and sustaining this trust relies heavily on ethical intelligence, which refers to the ability to apply moral principles thoughtfully in the design and use of technology.

Ethical intelligence ensures that digital systems are transparent, respect human rights, and protect personal data. In domains such as artificial intelligence, big data, and online platforms, algorithmic decisions can significantly impact individuals and communities. When these systems operate in a fair, accountable, and transparent manner, users are more likely to adopt and trust them. Trust underpins all digital interactions—whether individuals are sharing personal information, organizations are deploying AI systems, or communities are relying on algorithm-driven decision-making. Without trust, digital tools risk causing social harm, attracting regulatory backlash, and facing widespread rejection.

The World Economic Forum and other global bodies emphasize that digital trust must be a shared commitment involving governments, businesses, workers, and communities to ensure that technologies are equitable, transparent, and inclusive.

Applying Ethical Intelligence: Operational Approaches

Digital Trust Labels: Initiatives such as the Swiss Digital Initiative certify digital services based on standards including security, data protection, and fair user engagement, offering users clear assurances of ethical conduct.

Global AI Ethics Guidelines: Frameworks like UNESCO's Ethics of Artificial Intelligence provide principles centered on human rights, fairness, accountability, transparency, and inclusivity.

Corporate Digital Responsibility (CDR): CDR is a governance approach that encourages organizations to manage data and technology ethically, legally, socially, and environmentally.

Dr. Geetha Arjunan
Associate Professor, PSCS
Presidency University, Bengaluru

Digital Empathy: When Technology Learns to Understand Us

We often talk about how smart technology has become, but we rarely talk about how sensitive it should be. Digital empathy is the idea that intelligent systems can recognize emotions, adjust their responses, and support people with more understanding almost like a good teacher, a kind doctor, or a patient friend. And in today's digital world, empathy has quietly become one of the most powerful ingredients in building trust.

Here is an interesting fact: studies show that users trust AI more when it uses a polite, respectful tone even if the system is slower or gives fewer features. In other words, people don't just want efficiency; they want understanding. This is why many companies now train their chatbots to acknowledge frustration ("I'm sorry that happened") before giving solutions. A simple empathetic sentence can turn a negative experience into a positive one.

Healthcare is another area where digital empathy is making a real impact. Some mental-health apps can now detect stress patterns based on typing speed, late-night phone use, or sudden changes in behaviour. When used responsibly, these tools can provide early support something many people never receive in time. But this also brings responsibility. Emotional data is highly sensitive, and without ethics, it can easily be misinterpreted or misused. That is why digital empathy must always be guided by fairness, transparency, and strict privacy protection.

Education benefits too. A learning platform with digital empathy doesn't just mark answers as wrong. It notices when a student is struggling and offers easier examples, hints, or alternate explanations. Interestingly, researchers found that students are 30% more motivated when learning tools respond with encouragement rather than correction alone. It's a reminder that empathy doesn't slow down learning it strengthens it.

However, the rise of emotion-aware technology also raises new questions. What if machines become too good at reading us? Could emotional insights be used for advertising or persuasion? These questions make one thing clear: ethical intelligence must set the limits so that empathy remains supportive, not intrusive.

The future of AI isn't just about bigger models or faster predictions. It is about creating technology that respects human feelings. When digital empathy and ethical intelligence work together, technology becomes something we can trust—not because it is powerful, but because it understands.

The Editorial Board - The Communique

Ethical Intelligence: Building Trust in a Digital World

AI is reshaping research, raising ethical questions. Rapid AI advances can "embed biases" and threaten human rights. UNESCO's ethics framework emphasizes that fairness, transparency and human oversight must guide AI development. For faculty, cultivating ethical intelligence means embedding these values in design and teaching to build technology that users trust.

Ethical System Design

International standards highlight fairness, privacy and accountability as core AI design principles. Implementing ethics "from the ground up" means involving ethicists, policymakers and stakeholders in development, and creating oversight mechanisms. By prioritizing diverse data, explainable models and audits, developers align innovation with human values to build more trustworthy systems.

Faculty Leadership in AI Ethics

Integrating ethics into curricula ensures students learn AI's power and pitfalls. Instructors model integrity by enforcing honest research and open discussion of bias, privacy and consent. EDUCAUSE notes that ethical guidelines "protect relationships, not just data". Championing fairness and accountability in labs and classrooms helps create a culture where technology serves the public good.

Ethical Challenges in AI

AI research faces challenges: data bias, privacy risks and accountability gaps. Biased training data can produce unfair outcomes and reinforce inequality. Massive data collection risks user privacy; opaque algorithms make decisions inscrutable. Without transparency or oversight, errors are hard to trace and trust erodes.

Integrating Ethics into Practice

- **Multidisciplinary Design:** Engage ethicists and stakeholders in AI projects, building ethical guardrails from the start.
- **Ethics Education:** Include ethics case studies and training in courses and seminars to build awareness.
- **Human Oversight:** Maintain human-in-the-loop controls and documentation for accountability.
- **Privacy-by-Design:** Use privacy-preserving methods (e.g. federated learning) to analyze data without exposing personal information.

Each step weaves ethics into AI R&D. By embedding these practices from classroom to code review faculty can foster AI that is principled.

The Editorial Board - The Communique

Upcoming ATAL Faculty Development Programmes

Institute Name	FDP Thrust Area	FDP Title	Start Date	End Date	Link for registration
MODEL INSTITUTE OF ENGINEERING AND TECHNOLOGY	Engineering and Management	Emerging Trends in AI, Metaverse, and Quantum Computing	19-01-2026	24-01-2026	https://atalacademyapi.aicte.gov.in/files/fdp_schedule_file/File_1743679701_202504040918_fdpschedule_file.pdf
PARUL INSTITUTE OF TECHNOLOGY	Engineering and Management	Blockchain & Industry 5.0: The Future of Secure & Smart Factories	09-02-2026	21-02-2026	https://atalacademyapi.aicte.gov.in/files/brochure_file/File_1742901860_202503290609_brochure_file.pdf
JAIPURIA INSTITUTE OF MANAGEMENT	Engineering and Management	Circular Economy and SDG12: A Roadmap for Sustainable Industrial Practices	27-01-2026	02-02-2026	https://atalacademyapi.aicte.gov.in/files/fdp_schedule_file/File_1743055839_202503281007_fdpschedule_file.pdf

SOON

Upcoming Conferences

Upcoming Conferences from 2026					
Sr. No	Institute Name	Conference Name	Date	Link of WebPage	Last Date of Paper Submission
1	Dr. D.Y. Patil Institute of Technology; Pune Section	2026 International Conference on Intelligent and Sustainable Electronics & Computing Technologies (INSECT)	29 - 30 May, 2026	http://engg.dypvp.edu.in/INSECT-2026/	15-01-2026
2	CHRIST (Deemed to be University), Delhi-NCR, Ghaziabad, Uttar Pradesh; Uttar Pradesh Section	2026 International Conference on NextGen Data Science and Analytics (ICNDSA)	10-11 April, 2026	https://ieeencr.christuniversity.in/index.html	15-01-2026
3	Institute of Technical Education and Research (Faculty of Engineering & Technology), Siksha 'O' Anusandhan Deemed to be University Bhubaneswar, Odisha, India.	ETAACT 2026 : 1st International conference on Emerging Trends in Advancements and Applications of Computational Intelligence Techniques (ETAACT 2026).	10 - 11 April, 2026	https://etaact.in	10/1/2026
4	Madras Section; RMK Engineering College	2026 3rd International Conference on Research Methodologies in Knowledge Management, Artificial Intelligence and Telecommunication Engineering (RMKMATE)	15 - 16 April, 2026	https://rmkec.ac.in/rmkmate/	10/4/2026

Upcoming Research Proposals

Upcoming Research Proposals from January 2026			
Sr.No	**Details of Proposal**	**Details of proposal Link**	**Important Dates**
1	**Indian Space Research Organization (ISRO), Department of Space, Govt. of India has released Call for proposals - ISRO RESPOND BASKET-2025.**	**https://igrasp.isro.gov.in/igrasp/**	**The last date for submission of research proposals is 14th February 2026.**
2	**Call for Investigator-Initiated Research Proposals for "ICMR SMALL Extramural Grants" ("ICMR ANVESHAN Extramural Grants") - 2026 No.: ICMR/IDC/EPMS/CallforProposal/2025**	**https://www.icmr.gov.in/icmrobject/uploads/Call/1766125314_calladvtsmallanveshangrants202619thdecember2025.pdf**	**16th March 2026 (Monday) 17:00 hrs**
3	**ICMR e-PMS portal will accept proposals against Call for Investigator-Initiated Research Proposals for "ICMR Intermediate Extramural Grants" ("ICMR NISCHAYAK ANVESHAN Extramural Grants") - 2026**	**https://www.icmr.gov.in/icmrobject/uploads/Call/1766125018_calladvtintermediatenischayakanveshangrants202619thdecember2025.pdf**	**Between 29th December 2025, 10:00 hrs IST to 20th March 2026, 17:00 hrs IST.**

Comprehensive Review of AI Ethics: Principles, Issues, and Future Impacts

The article "AI Ethics: Principles, Issues, and Future Impacts" published by the University of North Dakota explains why ethical considerations are essential as artificial intelligence becomes more integrated into everyday life.

It begins by highlighting how AI now influences important decisions—from loan approvals to job screening—raising concerns about bias, fairness, accountability, transparency, privacy, and safety in intelligent systems. The article describes core ethical principles that should guide AI development, emphasizing that ethical design helps prevent real-world harms such as discriminatory hiring or inequitable policing. It stresses the importance of fairness in treating all individuals equally, transparency and explainability so humans understand AI decisions, accountability for harm caused by AI, and privacy protections for personal data. The piece also discusses major ethical issues like algorithmic bias, surveillance, job displacement due to automation, autonomous weapons, and intellectual property challenges arising from AI-generated content. Finally, it outlines how various stakeholders—including governments, academic institutions, tech companies, and international bodies—shape AI ethics and offers practical steps for building ethical AI systems, such as conducting ethical audits and involving diverse teams. The article concludes that ethical thinking must be embedded throughout the AI lifecycle to ensure technology aligns with human values and serves the public good.

Source Link: https://und.edu/blog/ai-ethics.html?

The article "The Ethics of Artificial Intelligence and Machine Learning" published on AIU's Innovative Topics platform discusses the significant ethical considerations surrounding the rapid adoption of AI and ML technologies across various sectors.

The Ethics of Artificial Intelligence and Machine Learning

(Login to your student section to access the AIU Additional Resources Library.)

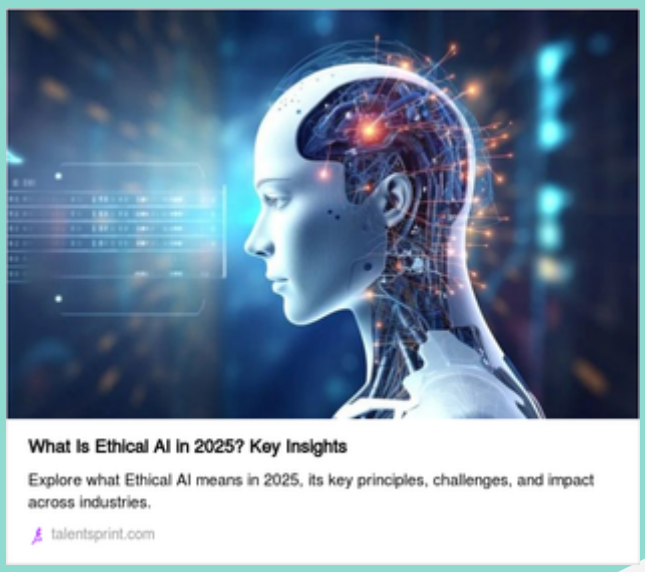
Atlantic International University / May 31, 2024

It highlights how these technologies offer transformative benefits such as improved healthcare diagnostics and fraud detection but also pose serious ethical risks if not carefully guided. Core issues examined include bias and discrimination (where AI can amplify societal prejudices if trained on biased data), privacy and surveillance concerns (especially with facial recognition and data mining), and the lack of transparency and accountability in "black-box" models whose decisions are hard to interpret. The article also raises alarms about the development of autonomous weapons, which could remove human oversight from life-and-death decisions. It uses well-known examples such as the Cambridge Analytica scandal and deepfake technologies to illustrate misuse and its social consequences. Finally, the piece emphasizes the responsibility of institutions like AIU to incorporate ethical frameworks, education, and interdisciplinary research into AI/ML curricula to foster fairness, transparency, and accountability in future AI systems.

Source Link: https://www.aiu.edu/innovative/the-ethics-of-artificial-intelligence-and-machine-learning/

Ms. K. Lekhya Sree
Assistant Professor, PSIS
Presidency University, Bengaluru

Comprehensive Review of What is AI in 2025?

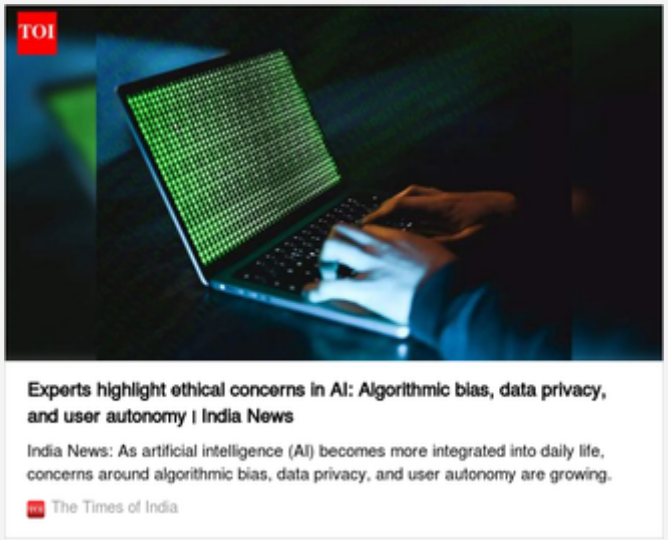


Source Link : https://talentsprint.com/blog/ethical-ai-2025-explained

The article "What Is Ethical AI in 2025?" explains how ethical principles must guide the design and use of artificial intelligence as AI systems become deeply integrated into everyday life — from hiring and healthcare to surveillance and decision-making processes. It highlights that without ethical guardrails, AI can produce harmful outcomes such as bias, discrimination, privacy invasion, and opaque decision logic. The blog outlines core ethical principles that should shape AI systems: fairness (equal treatment without bias), accountability (humans are ultimately responsible for AI decisions), transparency (clear and explainable AI behavior), privacy (protecting individuals' data), and safety (ensuring AI does not cause harm). It also suggests practical steps for implementation, such as crafting organizational ethics policies, forming cross-functional ethics committees, applying technical practices for bias detection and explainability, and training teams on ethical AI practices. The article concludes that real ethical AI requires structural changes, including enforceable regulations, independent audits, and global coordination to ensure AI benefits society while minimizing risks.

In an article published by The Times of India, experts have raised growing ethical concerns about the rapid adoption of artificial intelligence (AI) in everyday life, particularly focusing on algorithmic bias, data privacy, and user autonomy.

According to industry leaders like Atinderpal Singh Saini, bias in AI is not merely a technical flaw but a societal risk — if AI systems are trained on skewed or unrepresentative datasets, they can produce unfair or discriminatory outcomes, reinforcing social inequalities rather than reducing them. The article highlights real-world examples such as biased hiring algorithms and errors in facial recognition systems to illustrate this point. Cybersecurity expert Ananya Mehta stresses that as AI systems handle increasingly sensitive personal data, privacy and control over that data must be ensured, or else AI could become a tool for surveillance instead of empowerment. Another key concern is user autonomy: as AI systems make more decisions on behalf of individuals, there is a danger that convenience could tip into overreach, making its critical that users retain the ability to opt in, override, or modify AI decisions rather than become passive recipients of automated outcomes.



Source Link : https://timesofindia.indiatimes.com/india/experts-hightlight-ethical-concerns-in-ai-algorithmic-bias-data-privacy-and-user-autonomy/articleshow/118889538.cms

Mr. Krishna Mishra
Assistant Professor, PSIS
Presidency University, Bengaluru

Research Frontiers

Mr. Pakruddin B.
Assistant Professor

Shailesh K R
Student

Shubam V Patil,
Student

Praveen Nandan K
Student

Abhinav K
Student

Syed Afridi
Student

Under guidance of Mr. Pakruddin B., 6th semester PSCS (CAI) students Shailesh K R, Praveen Nandan K, Abhinav K, Syed Afridi, and Shubam V Patil from Presidency University successfully presented their research on deep learning–based real estate price prediction at IEEE ICRM 2025.

Ms. Pushpalatha M has successfully published her book chapter highlighting "The Strategic role of multidisciplinary academic research and Practice".

Ms. Pushpalatha M
Assistant Professor

Dr. S. Satheesh Kumar published a book chapter on "A Hierarchical Cross-Fusion Feature Extraction Network for Accurate Cervical Cancer Classification Using Cytology Images".

Dr. S. Satheesh Kumar
Assistant Professor

Ms. Vidyashree S M and Ms. Aswathy N Rajan actively participated in a six-day online FDP on "The Agentic AI Paradigm: Architecture, Enabling Technologies, and Real-World Applications", organized by the Presidency School of Information Science.

Ms. Aswathy N Rajan.
Assistant Professor

Ms. Vidyashree S.M.
Assistant Professor

Research Frontiers

Ms. Sumita Guddin was invited as the Chief Guest on Children's Day to address young minds on coding at Gubbachi Gudu English Medium School, one of the top two schools in Dharwad district.

Ms. Sumita Guddin
Assistant Professor

Dr. Harish Kumar K S, Assistant Professor–Senior Scale, served as a Session Chair at the International Conference on Responsible Artificial Intelligence (ICRAI–2025) held on 15–16 December 2025 at Karnataka University, Dharwad. His role reflected his expertise and leadership in the domain of responsible and ethical AI.

Dr. Harishkumar K. S
Asst Professor - Senior Scale

Dr. Harishkumar K. S., Assistant Professor–Senior Scale, authored a book chapter on Generative AI for Medical Image Synthesis, Augmentation, and Anomaly Detection, highlighting its impact on intelligent healthcare.

Dr. Harishkumar K. S
Asst Professor - Senior Scale

Dr. Srabana Pramanik
Asst Professor Senior Scale

Dr. Debasmita Mishra,
Assistant Professor

Ms.Priyanka Niranjan
Assistant Professor

Mr. Mohammed Mudasser
M.Tech Student

Dr. Srabana Pramanik, Mr. Mohammed Mudasser, Dr. Debasmita Mishra, and Prof. Priyanka Savadekar presented paper titled "X-Pneumo: A Hybrid Deep Learning Framework with Explainable Visualizations for Pneumonia Detection in Chest X-Rays" at NMITCON 2025, highlighting explainable AI in medical imaging.

Presidency University Congratulates Teams on Qualifying for SIH 2025 Grand Finale

Team Members:

1. Keerthan Shetty
2. S. Mohammed Saheem
3. Lakshmipathi R.
4. Manasa K.R.
5. Mirza Burhan Baig
6. Shaik Abdul Moeiz

Mentors:

1. Ms. Vidhya, School of Computer Science & Engineering
2. Dr. Divya Rani, Deputy Director, Presidency Makerspace

Category: Software
Problem Statement: Government of Jharkhand
Title: AI Based Crop Recommendation for Farmers

Team Members:

1. Makineni Navyatha
2. Sakamuri Kaveri
3. Dinnepati Ashish Eswar Reddy
4. G Likitha
5. G Mohith Sreenivasulu
6. Myle Saimanateja

Mentors:

1. Dr. Raja Jitendra Nayaka, School of Computer Science & Engineering
2. Dr. Divya Rani, Deputy Director, Presidency Makerspace

Category: Software
Problem Statement: Government of Karnataka
Title: Urban Resolve

Team Members:

1. M B Shashank
2. Madan Kumar M
3. Koushik M P
4. Sanath
5. Jyothika S
6. Ravi Basavaraj Barake

Mentors:

1. Ms. Neha Arora, School of Information Science
2. Dr. Divya Rani M S, Deputy Director, Presidency Makerspace

Category: Software
Problem Statement: Government of Rajasthan
Title: Remote Classroom for Rural Colleges

THE INSIGHT EXCHANGE

MS. SUGANDH GUPTA

INSIDE THE VISIONARY MIND SHAPING THE FUTURE OF AI INTELLIGENCE

Sugandh Gupta is a seasoned AI Research and Training Consultant and an NVIDIA-certified DLI Trainer, specializing in accelerated computing, deep learning, and industry-focused AI education.

Research and Training Consultant, AI @Global Infoventures Pvt. Ltd. | DLI Trainer@NVIDIA

Q **As an NVIDIA trainer working closely with cutting-edge AI technologies, how do you see the evolution of large language models shaping the next generation of intelligent systems?**

Large language models are evolving beyond language understanding into core intelligence layers for AI systems. They are increasingly capable of reasoning multimodal understanding and decision making by integrating tools, memory, and external knowledge. This evolution is shaping intelligent systems that can autonomously perceive, plan, and act across real-world applications, making AI more adaptive, scalable, and human-centric.

Q **NVIDIA's ecosystem emphasizes high-performance computing and accelerated AI. How critical is GPU acceleration in scaling modern LLMs and multimodal AI applications?**

GPU acceleration is absolutely critical for scaling modern LLMs and multimodal models. Training and inference involve massive parallel computations that CPUs alone cannot handle efficiently. NVIDIA GPUs provide state-of-the-art infrastructure that enable faster experimentation, lower latency and cost-effective deployment at scale.

Q **With the rapid rise of multimodal models combining vision and language, what practical advantages do you see when integrating LLMs with vision models such as Vision Transformers?**

Combining LLMs with vision models like vision transformers enables systems to both see and reason. This integration improves tasks such as visual question answering, autonomous perception and industrial inspection. It allows AI to generate more contextual and actionable insights from visual data.

INSIDE THE VISIONARY MIND SHAPING THE FUTURE OF AI INTELLIGENCE

Q **One ongoing challenge with LLMs is their static knowledge and reasoning limitations. From your experience, how do approaches like fine-tuning, retrieval augmentation, and tool-based agents help overcome these gaps?**

Fine tuning adapts models to domain specific knowledge, while retrieval augmentation keeps responses up to date and grounded in facts. Tool based agents now further extend LLMs by enabling reasoning, decision making and interaction with external systems. Together, these approaches make LLMs more reliable and practical.

Q **As AI moves from experimentation to deployment, what best practices do you recommend for building reliable, efficient, and responsible LLM-powered systems?**

As far as best practices for deploying LLM powered systems is concerned, we must focus on model optimization, secure data handling, and continuous monitoring in production. Techniques like quantization, inference optimization, and guardrails help ensure efficiency and reliability. Responsible AI practices, including bias evaluation and explainability are equally important.

Q **Looking ahead, what AI trends within the NVIDIA ecosystem—such as autonomous agents, edge AI, or foundation models—do you believe will have the greatest real-world impact?**

Autonomous agents and foundation models when combined with GPU acceleration will drive major real-world impact. Edge AI will also be transformative in real time applications like healthcare, smart cities and robotics. Along with all these physical AI and digital twins will also have a massive real-world impact within the Nvidia ecosystem. When combined with GPU acceleration and edge AI, these trends will enable real time intelligent decision making across industries at scale.

INDUSTRY PULSE

ETHICS: THE SECRET INGREDIENT OF INNOVATION

MR. SURESH SWAMY

BelWo Inc,India Regional Director
Bengaluru, Karnataka, India

WHERE INDUSTRY EXPERTISE MEETS EDUCATIONAL INNOVATION.

Mr. Suresh Swamy is a seasoned global technology leader and IT strategist with extensive experience in driving digital transformation and enterprise innovation across industries.

"Trust is the new currency of digital innovation".

This phrase isn't just a catchy headline, it's a reality shaping careers, industries, and the future of technology.

I still remember a campus hackathon during my final year. Our team was building a prototype app that collected user data to personalize recommendations. We were excited about the technical possibilities, but then a mentor asked a simple question: "Have you thought about how you'll protect this data?" That moment shifted my focus. Instead of rushing to demo features, paused to redesign the system with privacy safeguards. It was my first real lesson in how ethical considerations can change the course of a technical decision, just like how companies across Europe had to rethink their systems during the GDPR rollout.

Building trust in the digital world isn't just about compliance, it's about culture. Think of how Apple's privacy labels give users clarity on what data is being collected. In our project, we added a simple dashboard where client users could see and control their data. That small step made our app feel more trustworthy, and it taught me that digital trust comes from openness, accountability, and giving people control.

Later, during an internship, I saw firsthand how technology can unintentionally harm. A recruitment tool we studied showed bias against women and minorities because it was trained on skewed historical data. It was a wake-up call, algorithms aren't neutral. Safeguards like bias detection, explainable AI, and human oversight are essential. Without them, innovation risks reinforcing inequality instead of solving problems.

Looking ahead, I believe ethical intelligence will shape the next decade of digital transformation. Just as GDPR reshaped global data governance, future frameworks will influence how industries adopt AI, automation, and digital platforms. Companies that embed ethics into their DNA will not only innovate but also earn lasting trust from customers and society.

A Positive Note for Students

For us as students, the lesson is clear. Ethics is not separate from technology; it is part of it. Whether you're coding at a hackathon, interning at a company, or leading a project, practicing ethical intelligence will help you create solutions that are trusted, fair, and sustainable. The leaders of tomorrow will be those who balance progress with responsibility, and that can be you .

Powerful Insights from Industry Leaders on Ethical Intelligence

Satya Nadella, CEO of Microsoft

"True progress isn't just about smarter systems. It's about ensuring those systems mirror our ethics, empathy, and humanity. Build with purpose. Innovate with values."

Tim Cook, CEO of Apple

"Our privacy is being attacked on multiple fronts. Some companies are gobbling up everything they can learn about you and trying to monetise it. We think that's wrong. And it's not the kind of company Apple wants to be."

Why This Matters for Students

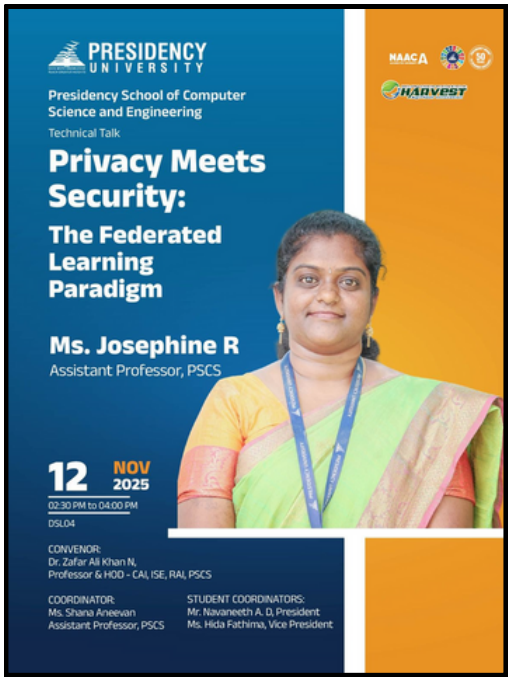
• Nadella's words remind us that responsible AI is about aligning technology with human values, not just technical brilliance.
• Cook's stance shows that privacy is a competitive differentiator, companies that respect it earn trust and loyalty.
• Together, these voices highlight that ethical intelligence is not optional; it's the foundation of sustainable innovation.

Insights by:
Mr. Suresh Swamy
BelWo Inc,India Regional Director
Bengaluru, Karnataka, India

DEPT NEWS

M.Tech/MCA | B.Tech | BCA | B.Sc.

Technical Talk on "Privacy Meets Security: The Federated Learning Paradigm".



The Presidency School of Computer Science & Engineering organized a technical talk on "Privacy Meets Security: The Federated Learning Paradigm" on 12 November 2025 at DSL04. The session, led by Ms. Josephine R, introduced students to Federated Learning and explained how data privacy is preserved while collaboratively training AI models. Key concepts such as decentralized learning, secure aggregation, and privacy risks were highlighted. The event was coordinated by Ms. Shana Aneevan, ensuring active participation and smooth execution. Students gained clear insights into privacy-preserving AI and emerging research directions in secure machine learning.

Workshop on Learning-Centric Pedagogies for Design Thinking & Innovation

The Office of the Dean–Academics, as part of the IQAC Initiative, in collaboration with NITTTR–Chennai and jointly organized by the Presidency School of Information Science, conducted a workshop on "Learning-Centric Pedagogies for Design Thinking & Innovation" on December 09, 2025. The session, led by Dr. S. Saravana Perumaal, focused on innovative, learner-centric teaching methods and design thinking practices. The workshop aimed to equip faculty with effective approaches that enhance creativity, critical thinking, and active learning in the classroom. Faculty members explored empathy-driven problem solving, rapid ideation, and pedagogical strategies that support the Design Thinking & Innovation curriculum.

DEPT NEWS

M.Tech/MCA | B.Tech | BCA | B.Sc.

Seminar on "Ignite Research: Transforming Ideas into Global Publications"

The Presidency School of Computer Science & Engineering organized a seminar titled "Ignite Research: Transforming Ideas into Global Publications" on 26 November 2025 at E Block Seminar Hall–3. The session, delivered by Dr. Prakash M, Associate Professor at VIT University, offered practical guidance on transforming innovative ideas into high-quality global publications. Participants gained insights into research problem identification, literature review techniques, methodology design, journal selection, and publication ethics. The event provided clear direction on navigating the peer-review process and using essential research tools for data analysis and manuscript preparation. The seminar was convened by Dr. Pallavi R, Head of the Department and coordinated by Dr. Leelambika K. V, ensuring effective organization and participation.

Guest Lecture on "Decoding Agentic AI and the Future of Work"

The Department of Computer Science and Engineering conducted a guest lecture on "Decoding Agentic AI and the Future of Work" on 8 December 2025. Expert speaker Mr. Sushil Nagur (Accenture, USA) explained how Agentic AI enables autonomous decision-making, multi-step task execution, and industry-wide digital transformation. Participants gained valuable insights into real-world applications, responsible AI practices, cloud platforms, and enterprise automation trends. The session also highlighted emerging career pathways in Data & AI and the skills required to stay future-ready. The event was convened by Dr. Blessed Prince and coordinated by Mrs. Bhuvaneshwari Patil and Dr. Jayanthi Kamalasekaran, ensuring smooth execution and active participation.

DEPT NEWS

M.Tech/MCA | B.Tech | BCA | B.Sc.

Faculty Development Programme on Research Writing, Publications and Intellectual Property Awareness

A three-day Faculty Development Programme on "Research Writing, Publications and Intellectual Property Awareness" was organized by the Presidency School of Computer Science and Engineering in association with the AI Club from 10–12 December 2025.The programme aimed to enhance faculty expertise in scholarly writing, publication strategies, and intellectual property rights.

The event was efficiently coordinated by Dr. Amirtha Preeya V, Ms. Battula Bhavya, Mr. Sree Hari T, and Mr. Sreenidhi, ensuring smooth execution of all sessions. The expert-led sessions fostered a strong research-oriented mindset and encouraged quality publications and innovation among faculty members.

NVIDIA Deep Learning – Five-Day Faculty Skill Enhancement Program

The School of Computer Science & Engineering organized the NVIDIA Deep Learning – Five-Day Faculty Skill Enhancement Program from 11–16 December 2025 at the DGL05 Lab. The training provided hands-on experience in deep learning, GPU-accelerated computing, CUDA programming, multi-GPU model training, and AI deployment workflows using NVIDIA DGX systems and toolkits like TensorRT, DeepStream, RAPIDS, and NeMo. Faculty participants gained practical skills in designing AI experiments, optimizing models, and integrating advanced AI concepts into teaching and research. The program was convened by Dr. Robin Rohit Vincent and coordinated by Mr. Gyanesh Verma, ensuring effective execution and engagement throughout the sessions.

DEPT NEWS

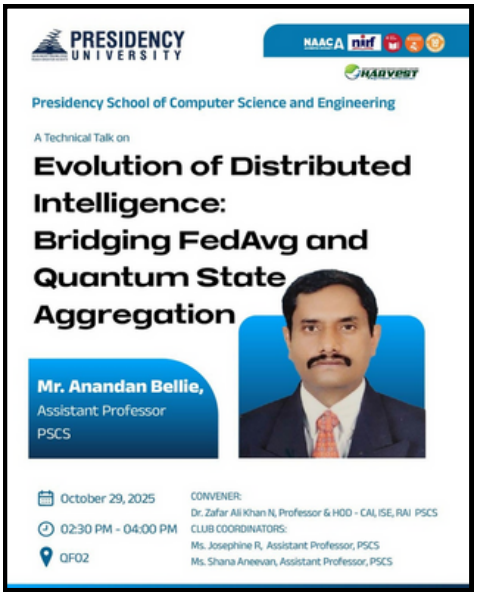
M.Tech/MCA | B.Tech | BCA | B.Sc.

Faculty Development Programme on Strengthening Cybersecurity Using AI: Bridging Skills and Technology

The School of Computer Science & Engineering organized a Five-Day Faculty Development Program on "Strengthening Cybersecurity Using AI: Bridging Skills and Technology" from 15–19 December 2025. The FDP offered an integrated blend of expert lectures and hands-on sessions covering cyber forensics, malware analysis, penetration testing, cloud security, AI-driven threat detection, and Zero Trust Architecture. Participants gained practical exposure to industry-standard tools such as Kali Linux, Nmap, Metasploit, Burp Suite, and Wireshark, enhancing their ability to analyze threats and implement AI-enabled security mechanisms. The program also emphasized ethical AI practices, security governance, and the integration of cybersecurity frameworks into teaching and research. The FDP was convened by Dr. Anandaraj S. P. and Dr. Zafar Ali Khan, and coordinated by Ms. Josephine R, Ms. Shana Aneevan, and Ms. Sterlin Minish T. N, ensuring effective organization and active engagement throughout all sessions.

Technical Talk on "Evolution of Distributed Intelligence: Bridging FedAvg and Quantum State Aggregation"

The Presidency School of Computer Science and Engineering, in association with the HARVEST Club, organized a technical talk on "Evolution of Distributed Intelligence: Bridging FedAvg and Quantum State Aggregation" on 29 October 2025 at QF02. The session was delivered by Mr. Anandan Bellie, Assistant Professor, who explained the transformation of distributed intelligence through Federated Learning and emerging Quantum State Aggregation. Participants gained insights into how Quantum Computing principles can strengthen intelligent distributed systems and enhance learning frameworks. The talk covered fundamentals of FedAvg, quantum concepts, comparative models, and real-world research applications. The interactive Q&A session encouraged students to explore interdisciplinary research in Federated Quantum Learning. The event received positive feedback for simplifying complex topics and motivating students to engage in next-generation computing research.



Presidency University Hosts VIII Convocation Ceremony

Presidency University held its VIII Convocation on November 29, 2025. The ceremony witnessed the confluence of 4953 students, including 3686 undergraduates, 1233 postgraduates, 34 PhD scholars and 32 gold medal recipients.

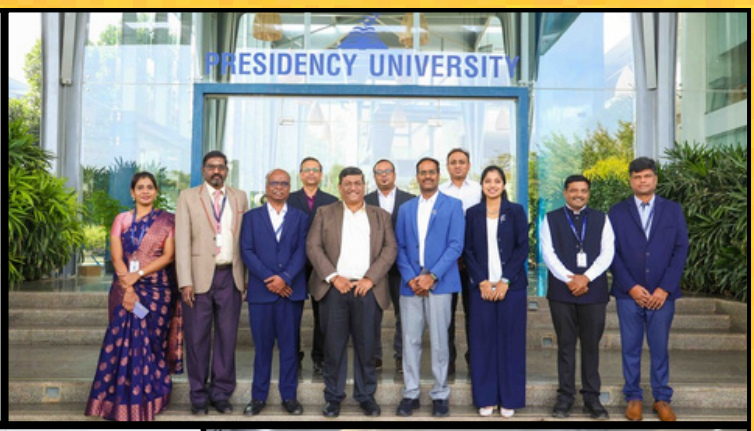
The ceremony featured Mr. Ronnie Screwvala, co-founder and chairman of upGrad, and Mr. Dilip Thakore, publisher and editor of Education World, as chief guests. Mr. Screwvala praised the university's green campus and multidisciplinary education, urging students to embrace challenges, dream boldly, and pursue entrepreneurship with focus and resilience. Mr. Thakore spoke about the challenges in today's education landscape and encouraged students to contribute to the nation, commending Presidency University for its strong rankings and multidisciplinary campus.

Presidency University Hosts VIII Convocation Ceremony

The first Pro Chancellor of the University, Dr. Ramachandran, also graced the Convocation ceremony and, in his brief address, spoke about AI and its impact on society today and how it enhances jobs and enables employees to do more meaningful, impactful work.

The graduation ceremony was presided over by Dr. Nissar Ahmed, Hon'ble Chancellor; Mrs. Kauser Nissar, Founder Trustee; Mr. Suhael Ahmed, Vice Chairman, PGI; Dr. Nafisa Ahmed, VC, Presidency Group of Schools; Mr. Salman Ahmed, VP, Presidency University; Dr. S.J. Thiruvengadam, VC in charge; Dr. Sameena Noor Ahmed Panali, Registrar; Mr. Chandrashekar Ingle, Controller of Examination; the Board of Governors; the Board of Management; the Academic Council; the donors of the Presidency Endowment Gold Medals; and the faculty.

INTERNATIONAL CONFERENCE ON RESPONSIBLE ARTIFICIAL INTELLIGENCE (ICRAI 2025)



The Presidency School of Computer Science & Engineering and the Presidency School of Information Science, in association with Cardiff Metropolitan University (UK) and Karnataka University – Dharwad, organized the International Conference on Responsible Artificial Intelligence (ICRAI 2025) and conducted a Special Session on Responsible and Generative AI for Cybersecurity, Imaging Intelligence, IoT, and Digital Twin–Driven Industrial Transformation on December 16, 2025. The inaugural ceremony featured invocation, lamp lighting, and the felicitation of Chief Guest Mr. S. T. Chander, Global Head – Connected Services & IoT Platform Stack, TCS, who delivered an insightful talk on trustworthy and ethical AI. The session concluded with a Vote of Thanks and transitioned into keynote presentations by Dr. Shakkeera L., Associate Dean – School of CSE & Academics, and Dr. Pravinth Raja, Head of the Department – PSCS, focusing on cybersecurity, imaging intelligence, IoT, and digital-twin–driven innovation.

UPCOMING EVENTS

15 Jan, 2026

Application of AIML in Healthcare

Webinar

16 Jan, 2026

What Industries Expect from Developers Today & AI Tools Used in Industry

Seminar

20 Jan, 2026

Hands-on SDP on Healthcare Data Analysis

SDP

21 Jan 2026

Optimized Techniques for Managing and Distributing Data Using the Internet of Things

Webinar

21 Jan, 2026

InfraLab: Terraform + Ansible

Webinar

21 Jan, 2026

Craft Your Carrier

SDP

23 Jan, 2026

Data Handling and Visualization Techniques

Webinar

24 Jan, 2026

Achieving Excellence: Mastering OBE for Impactful Learning

FDP

28 Jan, 2026

Data Engineering and ETL data bricks

Webinar

UNWIND ZONE

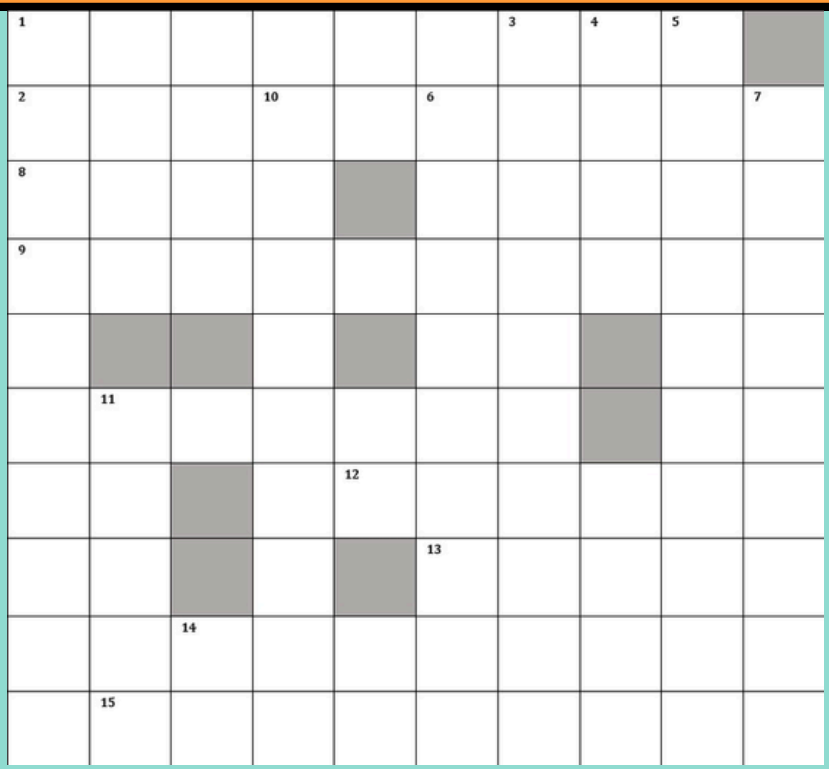
Across:

1. Process where a trained AI model makes predictions using learned patterns. (9)
2. Ability of an intelligent system to adjust to new data or environments. (5)
8. Legal framework governing ethical use of artificial intelligence. (3)
9. Moral principles guiding responsible AI development and usage. (6)
11. Systematic unfairness in AI outputs due to skewed data or models. (4)
12. Condition where AI systems operate without causing harm. (4)
13. Confidence users place in reliable and responsible AI systems. (5)
14. Structured collection of data used for training and testing models. (6)
15. Principle ensuring AI decisions are free from discrimination. (8)

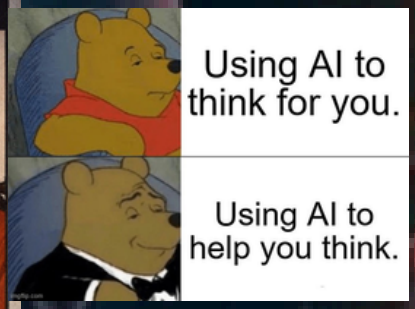
Down:

3. Refers to AI models inspired by the human brain. (6)
4. Instructions written to develop and control AI systems. (4)
5. Ability of AI systems to justify or clarify their decisions. (7)
6. Data used to evaluate the performance of a trained AI model. (8)
7. Step-by-step procedure used by AI to solve problems. (9)
8. Process by which AI systems improve through experience. (8)
10. Protection of personal information in AI applications. (7)
11. Pre-release testing phase of an AI system. (4)

Ethics Quest: Decode Digital Trust

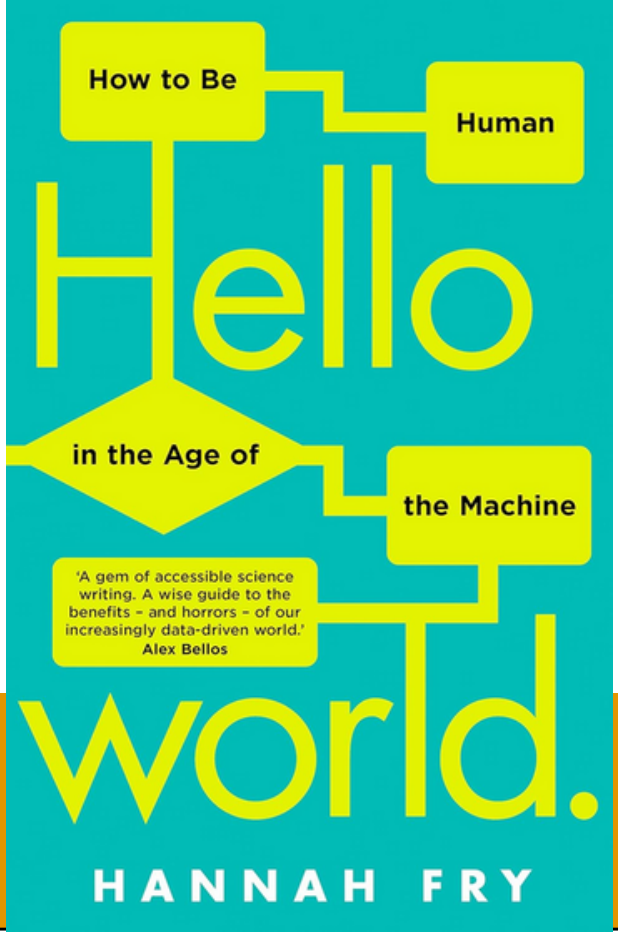


"Ethical Intelligence: AI Through Humor, Bias, and Responsibility"



Best Seller

Book Review



Did You Know?

Hello World was shortlisted for the Royal Society Science Book Prize, one of the most prestigious awards for science writing, recognizing its ability to make complex ideas accessible to a broad audience.

Hello World

Book Review: Hello World: How to Be Human in the Age of the Machine
Author: Hannah Fry
Genre: Technology /Society / Beginner-Friendly Guide
Rating: ★★★★½ (4.5/5)

In Hello World, mathematician and science communicator Hannah Fry explores the invisible algorithms that increasingly shape our everyday lives—from healthcare decisions and criminal justice to transport systems and online recommendations. Written in a clear, engaging style, the book demystifies complex technologies and explains how machines "think," while constantly reminding readers of the human values that must guide them. Rather than glorifying technology, Fry takes a balanced approach, celebrating the power of algorithms while carefully examining their limitations, biases, and ethical consequences. Through real-world examples, she makes one thing clear: technology works best when humans remain firmly in control.

★ Why Read It?

- Understand how algorithms influence real-world decisions that affect people's lives
- Learn where machines perform well—and where human judgment is still essential
- Reflect on ethical concerns such as bias, fairness, and accountability in AI systems

✅ Strengths

- Clear, engaging, and highly accessible writing style
- Uses relatable real-world case studies to explain abstract ideas
- Encourages critical thinking about responsible and human-centered technology

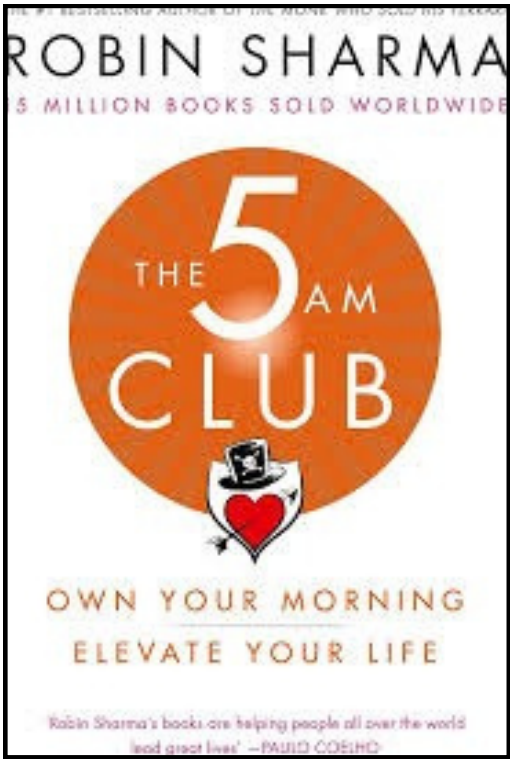
⚠ Criticism & Limitations

- May feel introductory for readers looking for deep technical explanations
- Focuses more on implications and ethics than on algorithm design details

★ Final Verdict

Hello World is a thoughtful and timely guide to navigating life in an algorithm-driven world. While technical experts may seek more depth, Hannah Fry's strength lies in asking the right questions—reminding us that in an age of intelligent machines, staying human matters more than ever.

Warm Regards,
The Editorial Board



THE 5AM CLUB

BOOK REVIEW: THE 5AM CLUB
AUTHOR: ROBIN SHARMA
GENRE: MOTIVATION / PERSONAL DEVELOPMENT
RATING: ★★★★☆ (4/5)

In The 5 AM Club, Robin Sharma emphasizes the power of waking up early to maximize productivity, improve focus, and achieve personal mastery. Through a fictional narrative, the book introduces the 20/20/20 Formula, encouraging readers to dedicate the first hour of the day to exercise, reflection, and learning. Sharma blends leadership principles, neuroscience insights, and life philosophy to inspire individuals to take control of their mornings—and ultimately, their lives.

✅ Strengths

- Strong emphasis on discipline, consistency, and self-leadership
- Practical morning routine (20/20/20 Formula) that is easy to follow
- Motivational storytelling that inspires personal and professional growth
- Encourages holistic development: mind, body, and soul

⚠️ Criticism & Limitations

- Fictional storytelling may feel repetitive or overly stretched
- Not everyone can realistically follow a strict 5 AM routine
- Concepts may seem familiar to readers of self-help literature

Why Read It?

- To build productive habits early in life
- To improve time management and focus.
- To develop discipline and a growth mindset.
- To learn how small daily routines can lead to long-term success

⭐ Final Verdict

The 5 AM Club is a motivating and practical guide for anyone looking to bring structure, purpose, and energy into their daily routine. While not all readers may adopt the 5 AM habit, the underlying lessons on consistency, self-mastery, and intentional living make it a valuable read especially for students and young professionals.

Warm Regards,
The Editorial Board

THE WRAP UP

As this edition of The Communique comes to a close, we pause to reflect on a question that now lies at the heart of digital advancement: how do we build trust in a world shaped by intelligent systems? As Artificial Intelligence and data-driven technologies increasingly influence decisions across society, ethical intelligence becomes essential not as an afterthought, but as a guiding principle.

Key Takeaways from This Edition

- Ethical-by-Design Intelligence – Ethical intelligence means building digital systems with fairness, accountability, and human values in mind, so that technology can be trusted and used responsibly.
- Transparency & Explainability – People are more likely to trust digital systems when decisions are clear and understandable, not hidden or confusing.
- Human-Centred Technology – Ethical technology supports human judgment, creativity, and inclusion. It is designed to assist people, not replace them.
- Data Responsibility & Privacy – Protecting personal data, respecting privacy, and reducing bias are essential for building digital systems that are fair and trustworthy.
- Accountable AI Governance – Clear rules and ethical guidelines help ensure that AI is developed and used responsibly across different fields.
- Sustainable Digital Progress – When innovation is guided by ethics, it creates long-term value for society rather than short-term gains.

Final Thoughts

Ethical intelligence is not a limitation on innovation; it is what gives innovation meaning. As digital systems grow more capable, our responsibility to guide them with integrity grows stronger. By placing trust, transparency, and human values at the centre of technological design, we can shape a digital future that serves society responsibly and sustainably.

"In the digital age, trust is earned not by intelligence alone, but by the ethics that guide it."

Vision of Presidency School of Computer Science and Engineering

Vision	To be a value-driven global University, excelling beyond peers, creating professionals of integrity and character, and having concern and care for society.

Mission of Presidency School of Computer Science and Engineering

Mission	Commit to be an innovative and inclusive institution by seeking excellence in teaching, research, and knowledge.
Mission	Pursue research and development and its dissemination to the community at large.
Mission	Create, sustain, and apply learning in an interdisciplinary environment with consideration for ethical, ecological, and economic aspects of nation-building.
Mission	Provide knowledge-based technological support and services to the industry in its growth and development.
Mission	To impart globally applicable skill sets to students through flexible course offerings, support industry's requirements, and inculcate a spirit of new venture.

PROGRAM SPECIFIC OUTCOMES (PSOs) FOR B.TECH

PSO1	Problem Analysis: Identify, formulate, research literature, and analyse complex engineering problems related to Software Engineering principles and practices, Programming and Computing technologies reaching substantiated conclusions using first principle of Mathematics, Natural Sciences and Engineering Sciences.
PSO2	Design/development of Solutions: Design solutions for complex engineering problems related to Software Engineering principles and practices, Programming and Computing technologies and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal and environmental considerations.
PSO3	Modern Tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities related to Software Engineering principles and practices, programming and computing technologies with the understanding of the limitations.

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.

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 technolgies 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.

Ethical Intelligence

Building Trust in a Digital World

THE COMMUNIQUE
VOLUME 2 | ISSUE 2

Trust & Transperency | AI Ethics & Responsibility | Data Security & Privacy