



PRESIDENCY UNIVERSITY

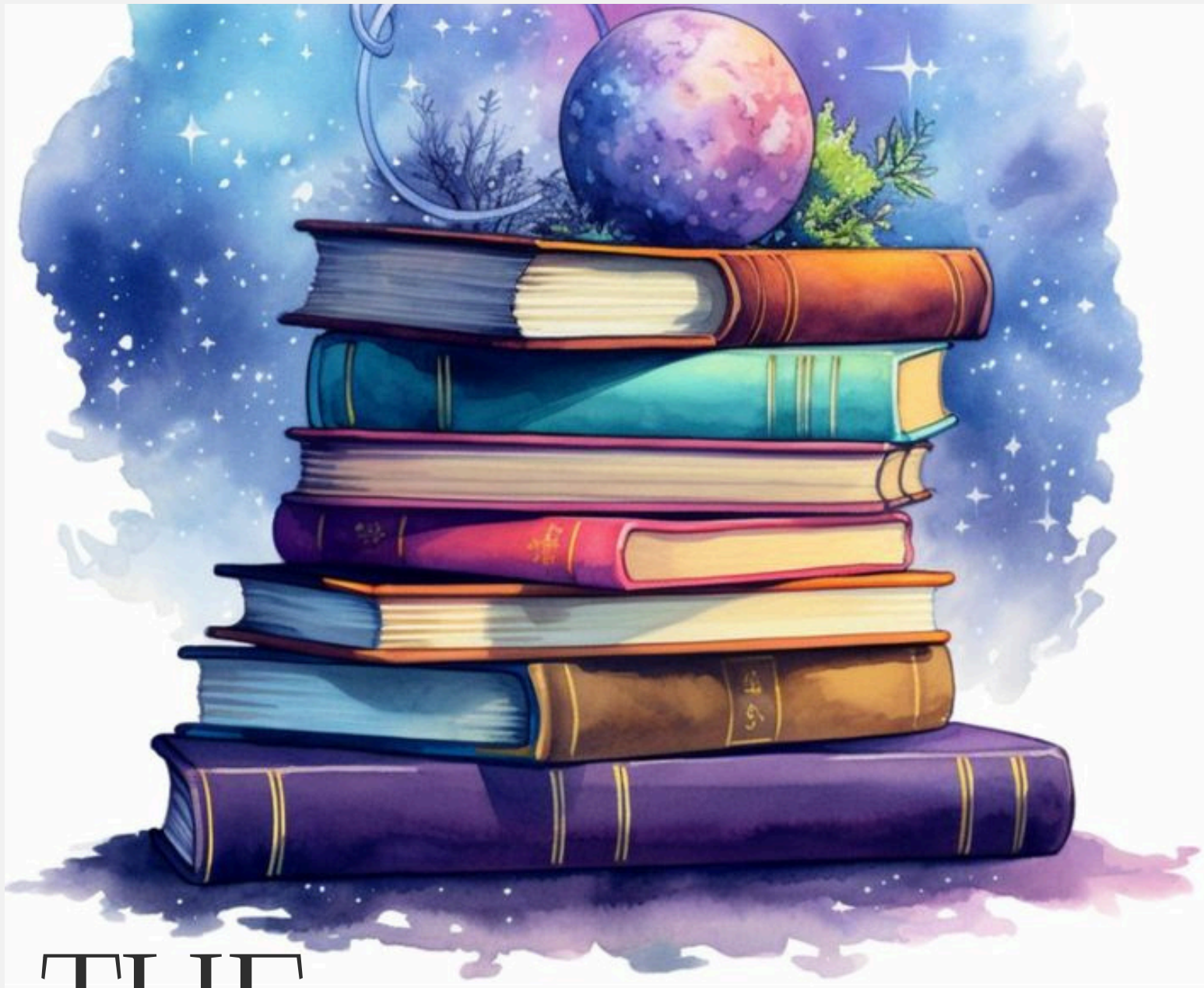
**SCHOOL OF COMPUTER SCIENCE AND ENGINEERING
&
SCHOOL OF INFORMATION SCIENCE**



THE COMMUNIQUE

**VOLUME -01
ISSUE-01**





THE COMMUNIQUE

October 2024
Issue 1 / Volume 1

From Insights to Impact—Lead the Change.

CONTENTS



PAGE 1

From the Helm

PAGE 2

Behind the Pages

PAGE 3 - 6

Learn from the Best

PAGE 7

Research Frontiers

PAGE 8 - 9

The Industry Pulse

PAGE 10-12

Departmental News and Updates

PAGE 13

Upcoming Events

PAGE 14 - 16

Pathway to Success

PAGE 17

Students's Corner

PAGE 18

Insights from the field

PAGE 19 - 20

Book Reviews

PAGE 21

Ratan Tata: India's Titan Falls Silent

From the Helm

Dear Readers,

It is with immense pride that I present to you this edition of “The Communique”, our bimonthly Newsletter. As we navigate an era of unprecedented transformation, both in higher education and beyond, I am confident that Presidency University is on the threshold of remarkable growth and innovation. The future holds extraordinary opportunities for us, and it is our collective responsibility to seize them.

At Presidency University, we have always embraced change as a catalyst for progress. As we look to the future, we are committed to fostering a dynamic and futuristic ecosystem that nurtures creativity, innovation, and inclusivity.

Our faculty and students are at the forefront of pioneering research that addresses real-world challenges, from sustainability to technological breakthroughs. In the coming years, we aim to intensify our efforts in interdisciplinary research and collaborations with leading industries, not just locally but on a global scale.

In addition, we are deeply invested in preparing our students to be future-ready professionals—empowering them with the skills, mindset, and values required to thrive in the 21st century. Whether it is through immersive learning experiences, global exposure, or fostering an entrepreneurial spirit, we are committed to their holistic development. Our focus on emerging fields such as Artificial Intelligence, Data Science, and Sustainable Development ensures that our graduates will be at the vanguard of global innovation and impact.

Looking ahead, we envision Presidency University becoming a hub of intellectual vibrancy and thought leadership where students, faculty, and alumni collaborate to co-create a sustainable and equitable future. Our continuous pursuit of academic excellence, combined with our commitment to community outreach, will propel us to new heights.

As we chart this exciting path forward, I invite each one of you—students, faculty, alumni, and industry partners—to join hands in shaping a future that is not only brighter but also bolder. Together, we can lead the way to a new paradigm of education and innovation.

Here’s to embracing the future, with optimism, ambition, and a relentless pursuit of excellence.

Best Regards,

Prof. (Dr.) Md. Sameeruddin Khan
B.E.-CSE, M.Tech. - CSE, Ph.D. - CSE, (PDF, City, Univ. of London), SMIEEE, MACM, MIAENG
Pro Vice Chancellor - Engineering,
Dean - Presidency School of CSE & Presidency School of IS
Presidency University, Bengaluru



Behind the Pages

Dear Readers,



It is with great pride that we present to you the October 2024 edition "The Communique". This newsletter is a testament to the vibrant, intellectual and creative spirit that defines our college. Our goal is to foster a rich exchange of knowledge between academia and industry, while also celebrating the remarkable achievements of our students, faculty, and alumni.

In this edition, we strive to promote academic and industry knowledge exchange by featuring insightful contributions from faculty, industry experts, and students. These articles explore technology trends, research breakthroughs, and real-world case studies that not only inform but also inspire. This blend of perspectives will foster a culture of learning and innovation, enriching the minds of all our readers.

We are also proud to highlight the achievements and initiatives within our school. From cutting-edge research to student projects and new departmental initiatives, these milestones demonstrate the impact we are making both in academia and beyond. By showcasing these accomplishments, we aim to enhance the visibility and reputation of our school, reflecting its dynamic and innovative spirit.

One of our core objectives is to engage students in research and extracurricular activities. In this edition, we feature their internship experiences, research projects, and achievements in hackathons and student clubs, particularly in fields like AI, ML, and robotics. By providing a platform for students to share their stories, we hope to inspire more active participation and professional growth within our community.

Moreover, strengthening connections with our alumni and industry professionals remains a key focus. Through alumni success stories and interviews with industry leaders, we aim to build lasting relationships that will benefit current students and future graduates alike. These connections will provide valuable career guidance and reinforce strong ties between our department and the professional world.

We hope that this edition brings increased visibility and recognition to all our contributors, enhances the reputation of our department, and encourages greater student involvement in professional and academic development. Above all, we aim to strengthen the bonds between our readers, alumni, and industry partners, building a stronger and more connected community.

Thank you for being a part of our journey. We hope you find this edition of The Communique both inspiring and enlightening.

**Warm Regards,
The Editorial Board
The Communique - October 2024**

The Future of Application Development: Key Trends Shaping 2024

Dear Students and Faculty,

As we embark on the journey through 2024, we find ourselves at a pivotal moment in application development, a field that is shaping the future of technology and user experience. The landscape is continually evolving, and this year, we witness a surge of innovation driven by several key trends that are transforming how we create and interact with applications.

PROGRESSIVE WEB APPS (PWAS)

PWAs are redefining the boundaries between traditional websites and mobile applications. By offering offline capabilities, faster load , and push notifications, they create seamless user experiences while being cost-effective. This trend simplifies the development process, allowing for broader reach across different platforms without the need for separate applications

FOLDABLE DEVICES AND ADAPTIVE DESIGN

With the rise of foldable smartphones, developers are presented with unique challenges and opportunities. Crafting applications that adapt to various screen sizes and configurations pushes the limits of user interface and experience design. This adaptability is essential for ensuring that apps remain functional and engaging across a wide range of devices.

As we explore these exciting trends, I encourage our students to embrace this era of technological advancement. The skills and knowledge you gain here will empower you to become the next wave of innovators in mobile, web, and full-stack development. Let's harness these trends to create applications that not only meet but exceed user expectations.

Together, let's make 2024 a remarkable year of transformation and creativity in application development.

Warm Regards,
Dr. Blessed Prince P
Prof. & HoD-CSE, PSCS
Presidency University, Bengaluru



AI AND MACHINE LEARNING INTEGRATION

The integration of generative AI and machine learning is revolutionizing the way apps deliver personalized experiences. With frameworks like TensorFlow Lite and Core ML, developers can now embed intelligent features directly into their applications, enabling smarter automation and dynamic interactions. This not only enhances user engagement but also facilitates real-time decision-making.

CLOUD-BASED BACKEND SERVICES AND FULL-STACK EFFICIENCY

The shift towards cloud-based solutions is streamlining full-stack development. Platforms like Firebase and AWS Amplify simplify backend management, allowing developers to concentrate on front-end innovation. Technologies such as GraphQL enhance data querying efficiency, making applications more responsive and user-friendly.



The Integration of Cloud Computing, AI/ML, DevOps, Blockchain, and Quantum Computing

Dear Students and Faculty,

As we explore the advancements in technology, the integration of Cloud Computing, AI/ML, DevOps, Blockchain, and Quantum Computing is poised to drive innovation across various industries.

Cloud Computing provides the scalable infrastructure necessary for AI and ML models to process vast data efficiently, crucial for data-driven decision-making. AI and ML are transforming DevOps by enhancing CI/CD pipelines through automated testing and deployment, as well as predictive maintenance driven by data insights, leading to greater efficiency in software development.

Blockchain adds a layer of security and transparency, ensuring secure data sharing and fostering trust, especially in sectors like finance and healthcare. Its smart contract capabilities streamline operations by automating agreements and transactions. Meanwhile, Quantum Computing promises to redefine computational power, leveraging qubits to solve complex problems and optimize AI/ML algorithms at unprecedented speeds.



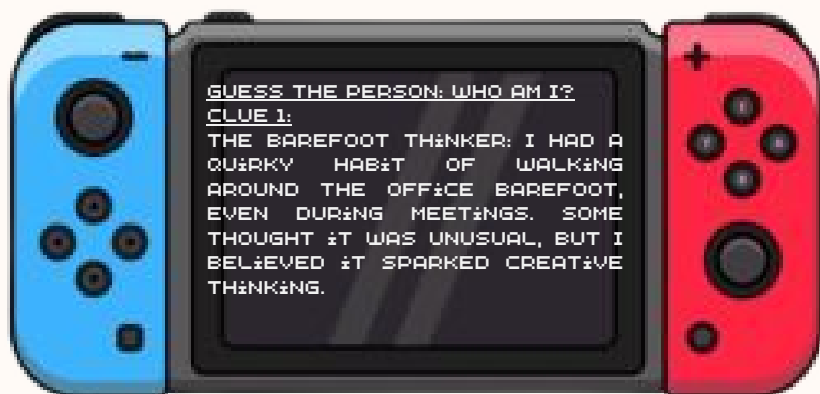
Together, these technologies create a robust digital infrastructure capable of tackling modern challenges in finance, healthcare, logistics, and beyond. I encourage our students to engage deeply with these concepts. Your understanding and application of these technologies will prepare you for successful careers and position you as leaders in the next wave of digital transformation.

Let's embrace these advancements and strive to make a meaningful impact.

Best regards,
Dr. Gopal Krishna Shyam
Prof. & HoD, Computer Engg.,PSCS
Presidency University, Bengaluru



game corner



INNOVATOR SPOTLIGHT: TECH LEADERS OF TODAY



Sundar Pichai

In a world increasingly driven by technological innovation, a handful of visionaries are shaping the future. From revolutionizing the way we interact with the digital world to pushing boundaries in AI, space travel, and more, these tech leaders stand at the forefront of modern innovation. Today, we spotlight Elon Musk, Sundar Pichai, and Satya Nadella—three tech titans whose contributions are transforming industries and our everyday lives.



Elon Musk

Elon Musk started with ventures like PayPal before founding SpaceX in 2002, aiming to make space travel affordable. In 2008, Tesla launched the all-electric Roadster, marking a revolution in sustainable transportation. Musk's other ventures, including Neuralink and The Boring Company, explore human-AI interfaces and urban transportation.

Key Milestones:

- 2002: Founded SpaceX
- 2020: SpaceX launched astronauts to the ISS



Satya Nadella

Satya Nadella took over as CEO in 2014 and led Microsoft's shift toward cloud computing with Azure. He also spearheaded key acquisitions like LinkedIn and GitHub, positioning Microsoft as a tech giant focused on collaboration and enterprise solutions.

Key Milestones:

- 2014: Appointed CEO of Microsoft
- 2016: Acquired LinkedIn

Sundar Pichai joined Google in 2004, contributing to products like Chrome and Google Maps. In 2015, he became Google's CEO, later expanding his leadership to Alphabet. Under Pichai, Google has focused on AI research and innovation, with projects like Google Bard.

Key Milestones:

- 2008: Launched Google Chrome
- 2019: Became CEO of Alphabet Inc.

Tech Leaders' Influence:

Space Exploration: Musk's SpaceX aims to make space travel affordable.

Artificial Intelligence: Pichai's Google leads AI research.

Cloud Computing: Nadella's Microsoft Azure is transforming business operations globally.

Why It Matters?

The journeys of Elon Musk, Sundar Pichai, and Satya Nadella offer valuable lessons for us. Their resilience, bold vision, and willingness to embrace innovation show that success often comes from taking risks and thinking beyond the norm. Students can apply these principles by staying curious, learning continuously, and pursuing their passions, even when the odds seem challenging. These tech leaders prove that perseverance and innovation can create world-changing impact.



Warm Regards,
Ms. Devi. S

Assistant Professor,
Presidency School of Information Science,
Presidency University, Bengaluru



THE RECOVERY KEY NIGHTMARE

It happened to me just one month ago. One morning, before heading to my regular class, I slammed my laptop shut, only to realize I could not turn it back on. The screen glared at me, demanding a System Recovery key.

A TALE OF DESPERATION AND INGENUITY

It happened to me just one month ago. One morning, before heading to my regular class, I slammed my laptop shut, only to realize I could not turn it back on. The screen glared at me, demanding a System Recovery key.

I took it to the IT support department, and they told me I needed to provide the key. Panic set in. My Outlook username and password, created years ago when I purchased the laptop from a reputable company, were a distant memory.

MAYBE, JUST MAYBE...

My entire research work, several submitted conference papers, and precious data were trapped inside. The thought of factory restoring the OS and losing everything was unbearable. Experts' advice only added to my despair.

On the brink of tears, I visited the nearest service center, where the verdict remained the same: factory restore. But then, a glimmer of hope appeared. I recalled emailing my new account details to my old email ID whenever I created a new account. Maybe, just maybe...

I rushed to check my old inbox and found the email containing my Outlook ID. However, the password remained elusive. I decided to use email to reset my password. The tension dissolved as my laptop sprang back to life.

The next day, I confidently presented my paper at the conference, laptop by my side. Disaster averted."

Lessons Learnt:

1. Keep track of login credentials.
2. Email important info to yourself.
3. Never underestimate the power of password recovery.

Moral: Stay calm, think creatively, and sometimes, the solution lies in your own digital footprint.

**Warm Regards,
Dr. Srabana Pramanik
Assistant Professor, PSCS
Presidency University, Bengaluru**



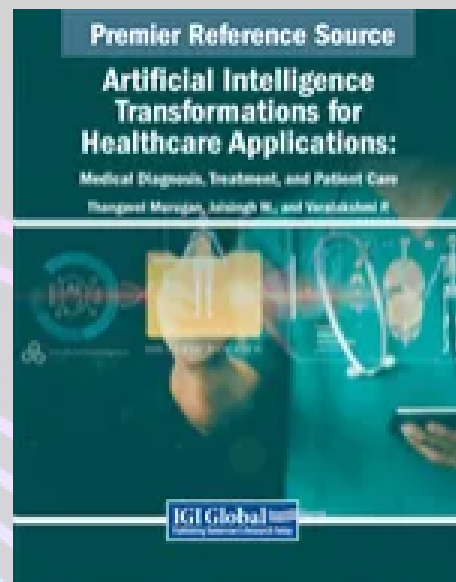
Research Frontiers



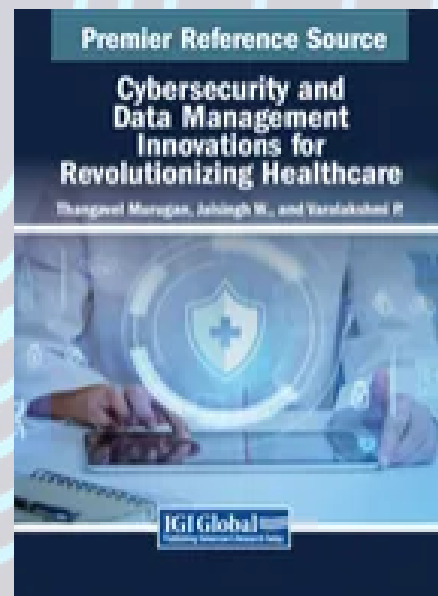
Book on Technologies for Sustainable Healthcare Development by IGI Global Publisher



Dr. Jai Singh W
Associate Professor (SG) & HOD, PSIS(PG),
Presidency University, Bengaluru



Book on Artificial Intelligence Transformations for Healthcare Applications: Medical Diagnosis, Treatment, and Patient Care by IGI Global Publisher



Book on Cybersecurity and Data Management Innovations for Revolutionizing Healthcare by IGI Global Publisher

game CORNER

GUESS THE PERSON: WHO AM I?
CLUE 2:

THE BUTTONLESS VISIONARY: I HAD A STRONG DISLIKE FOR PHYSICAL BUTTONS, WHICH INFLUENCED MANY OF THE PRODUCTS MY COMPANY DEVELOPED.

THE INDUSTRY PULSE UNVEILING THE FUTURE

APPLE'S SEPTEMBER 9, 2024 EVENT

APPLE'S HEALTH FEATURES: REVOLUTIONARY OR JUST HYPE?

Apple is taking health tech to the next level—again! Their latest devices are packed with health-tracking superpowers that might just make our doctors jealous. But is it all sunshine and rainbows, or is there a catch? Let's break it down.

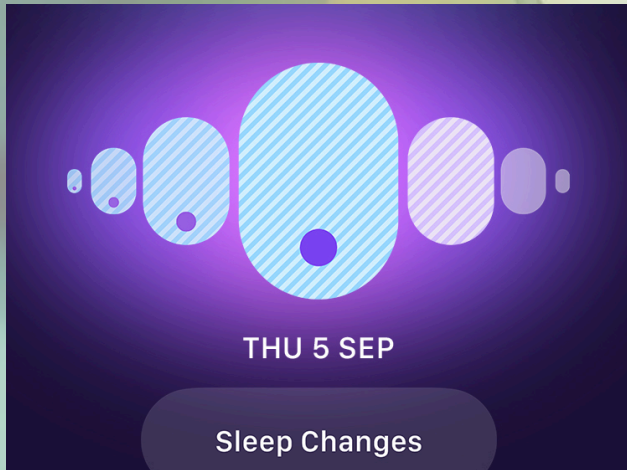
Sleep Apnea Detection – Sleep Tight, Sleep Smart:

The Apple Watch Series 10 now watches us while we sleep—no, not in a creepy way! It's equipped with Sleep Apnea Detection thanks to its Breathing Disturbances metric. Imagine waking up and knowing exactly how well (or badly) we slept. No clunky machines, no hassle—just slip on the watch and let it do its magic.

However Over-reliance on Tech – Watch or Doctor?

Sure, tech can give us insights into our health, but what happens when we start relying on it more than we should? It's easy to get sucked into checking our stats 24/7.

Wham! Too much self-monitoring can cause more anxiety than relief. Is that heart rate spike normal, or did we just see a spider? Sometimes it's better to trust a doctor than a device.



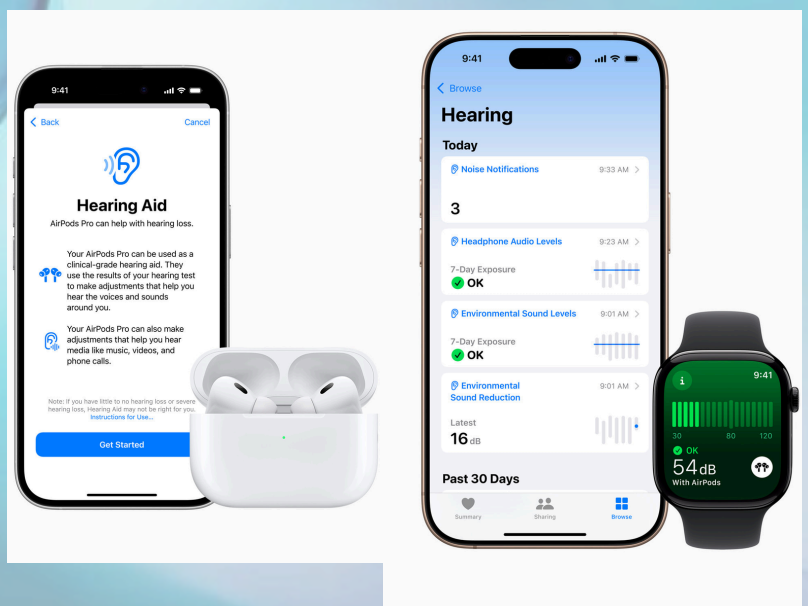
AirPods 4 – The Hero of Your Hearing:

The AirPods 4 are more than just your favorite tunes—they're now also your very own hearing Aids. That's right, Apple's making hearing aids as cool as a Beats by Dre headphone commercial. Bam! Get clinical-grade Hearing Test results and protect your ears from loud environments, all in those tiny pods. Whether you're rocking out at a concert or just tuning in to your favorite podcast, these bad boys have your ears covered.

The Ultimate Health Guardian – Apple Watch:

This little wrist rocket is your all-in-one health sidekick. It's got heart rate tracking, ECG monitoring, and blood oxygen readings, all packed into that sleek, shiny design.

Kaboom! With real-time notifications for irregularities, your watch might even save your life while you're busy just living it.



THE AI DILEMMA

APPLE INTELLIGENCE – THE AI ASSISTANT WE’VE BEEN WAITING FOR?

Apple’s AI assistant might just be the game-changer we’ve been waiting for. With smarter algorithms and seamless integration, it’s designed to make our lives easier. But will it truly revolutionize how we interact with tech, or is it just another upgrade in a sea of innovations?

Personalized for Us – AI That Knows Our Next Move:

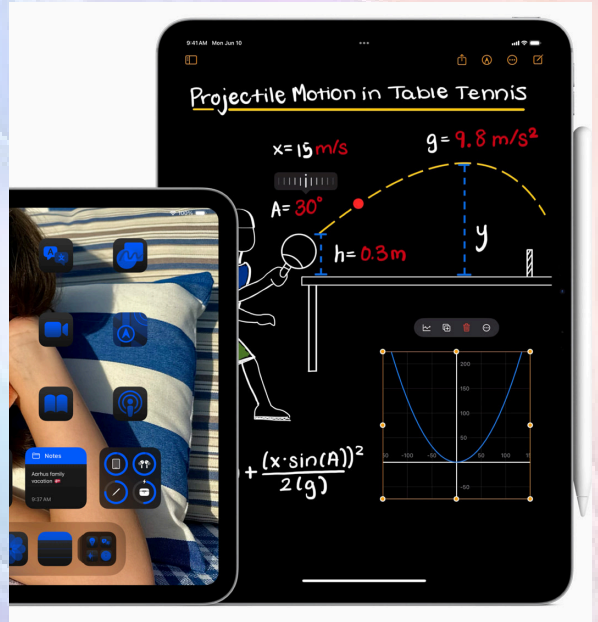
The more we use it, the smarter it gets! Apple Intelligence tailors our entire experience based on how we use our devices. Need to schedule a meeting? The AI’s already on it.

Wham! It’s like having our very own genie (minus the magic lamp). The AI makes life easier by predicting our needs before we even ask.

Time Saver – Automated Task Master:

Apple Intelligence handles the boring stuff like scheduling, reminders, and organizing our lives. It’s the ultimate multi-tasker, so we don’t have to be.

Bam! Whether we need to organize the week or prep for a workout, this AI assistant’s got it covered, freeing us up for what matters most.



Too Much of a Good Thing?

- **Privacy** – How Much Does it Really Know About Us?

With AI learning our every move, it’s bound to know a LOT about us. But how much is too much?

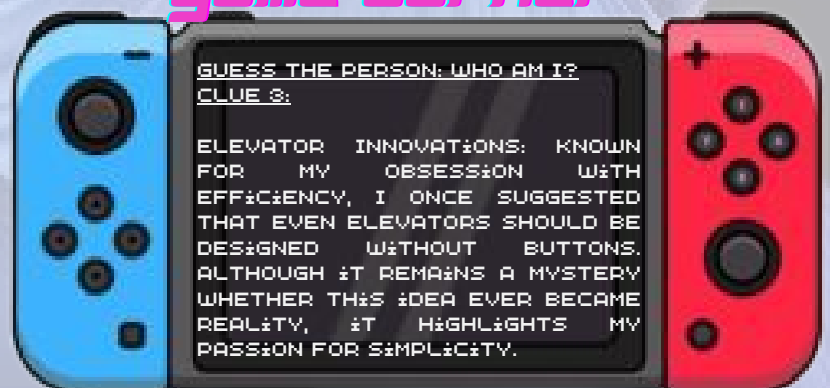
Kaboom! Data privacy is a real issue, and while Apple says our info is secure, giving an AI all our details might be a step too far for some.

- **Too Smart?** – AI That Over-Automates:

What if the AI becomes too smart for its own good? We could end up with an assistant that takes over tasks we wanted to do ourselves.

Wham! Sometimes, we like to have control. The AI might just get too clever and make decisions for us that don’t quite hit the mark.

game corner



Department News

and Updates

On August 30, 2024, Presidency University hosted the ****Fusion Forum 2024****, which has its main goal to enhance industry-academia cooperation

Organized by the Presidency School of Computer Science and Presidency School of Information Science, and the IEEE Student Chapter, it featured industry leaders and academic experts. Prof. (Dr.) Sameeruddin Khan gave the welcome address, and Sri Joginder Tanikella, CEO of T-Works, delivered a keynote on the importance of industry-academia partnerships.



The Industry-Academia TechXplore Roundtable, held on September 6th, 2024, at Conrad, Bengaluru, brought together Indian and international leaders to discuss the adoption of blockchain technology in India.

Prof. (Dr.) Md Sameeruddin Khan, Pro VC and Dean of Presidency University, represented the institution at the event. The roundtable, powered by Emurgo Labs and supported by the India Blockchain Forum, also featured industry players like Diamante Blockchain and Block Stack Pvt. Ltd. Academic institutions such as PES University, Dayananda Sagar University, and East Point Group of Institutions participated, fostering discussions on future industry-academia collaborations around blockchain technology.

NEWS ALERT

PRESIDENCY UNIVERSITY

PRESIDENCY SCHOOL OF COMPUTER SCIENCE & ENGINEERING (PSCS) AND PRESIDENCY SCHOOL OF INFORMATION SCIENCE (PSIS)
in Association with IEEE Student Chapter

FUSION FORUM 2024
INDUSTRY ACADEMIA IN HARMONY
(Suggesting a Harmonious blend of practical experience, Innovation and Scholarly Knowledge)
AUGUST 30, 2024

PANEL DISCUSSION 1 "Unveiling the Impact of Social 5.0 on Education 5.0 and Closing the Industry-Academia Divide"

PANEL DISCUSSION 2 "Synergizing Academia and Industry: Integrating Innovative Learning Into Academic Curricula"

PANEL DISCUSSION 3 "Beyond the Bench: Crafting Marketable Marvels from Academic Research"

TARGET AUDIENCE Industry Professionals, Students, Academicians, Policy Makers, Researchers

REGISTER HERE

Department News

and Updates

PRESIDENCY UNIVERSITY
 Presidency School of Computer Science and Engineering (PSCS) and Presidency School of Information Science (PSIS)
 Department Quality Assurance Cell (DQAC)
 FDP on
Transformative Teaching: Elevating Pedagogy in Higher Education
August 09, 2024
 02:00 PM to 04:00 PM
 Venue: DGL 1 & 2

RESOURCE PERSON

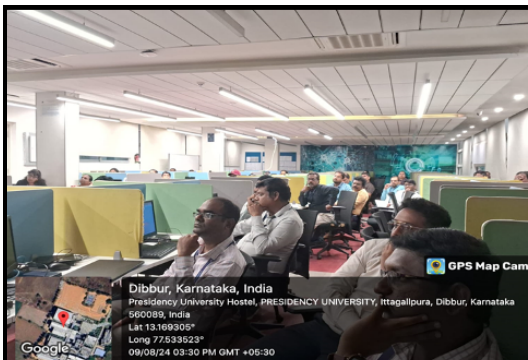
Dr. Mohammed Sameeruddin Khan
 Dean
 Presidency School of Computer Science and Engineering (PSCS) and Presidency School of Information Science (PSIS)

Faculty Coordinators
 Ms. Deepthi S, Assistant Professor | Ms. Devi S, Assistant Professor

Transformative Teaching: Elevating Pedagogy in Higher Education:

The session introduced cutting-edge teaching techniques such as Revised Bloom's Taxonomy, flipped classrooms, and peer learning, along with tech-driven solutions like gamification. Faculty members gained fresh insights into curriculum design, assessment, and tech integration, enhancing their ability to create engaging, student-centric learning environments tailored to modern educational needs.

On August 9, 2024, Presidency School of Computer Science and Engineering (PSCS) and Information Science (PSIS) hosted a Faculty Development Program, "Transformative Teaching: Elevating Pedagogy in Higher Education," led by Prof. (Dr.) Sameeruddin Khan, Pro Vice-Chancellor and Dean.



UiPath Robotic Process Automation: 5-Day FDP !

Presidency University, in collaboration with UiPath Academic Alliance and ICT Academy, is hosting a Faculty Development Program (FDP) on Robotic Process Automation (RPA) from August 5th to 9th, 2024. The program, numbered FDP 2,320, is designed to equip educators with hands-on experience and knowledge in RPA, a key technology for automating repetitive tasks. The event is supported by prominent academic leaders including Dr. Nissar Ahmed, Chancellor of Presidency University, and other senior faculty members. The program aims to bridge the gap between academia and industry in automation technologies.

NEWS

UPDATE

Department News

and Updates

Technical Talk on “Enhancing Data Quality and Validation in Deep Learning”

On July 26, 2024, the Presidency School of Computer Science & Engineering (PSCS) and Presidency School of Information Science (PSIS) at Presidency University hosted a successful technical talk on “Enhancing Data Quality and Validation in Deep Learning.” Led by Dr. Shilpa N, Professor at the Presidency School of Engineering, the session explored key mathematical techniques for data preparation, focusing on improving validation and overall model performance. Attendees gained valuable insights into optimizing signal and image data for deep learning frameworks.



BREAKING

LIVE

AI for Net-zero Systems: A Global Perspective

The webinar "AI for Net-zero Systems," held on July 17, 2024, was organized by the Presidency School of Computer Science & Engineering, Bengaluru, in collaboration with Cardiff Metropolitan University, Wales. Dr. Angesh Anupam, Head of Department and Data Scientist at Cardiff Metropolitan University, led the session, which attracted over 213 participants from India. His presentation focused on AI's pivotal role in achieving net-zero emissions, supported by case studies and innovative strategies. The event fostered active engagement and received highly positive feedback, emphasizing its impact in promoting sustainable development through AI.



BULLETIN
NEWS

Quantum Horizons: Revolutionizing Healthcare with Quantum Computing,

The webinar "Quantum Horizons: Revolutionizing Healthcare with Quantum Computing," held on July 17, 2024, was a significant achievement for Presidency University, Bengaluru, in collaboration with the IEEE Student Chapter. Led by Dr. Raghavendra V from SRM Institute of Science and Technology, the event focused on the revolutionary impact of quantum computing on healthcare, covering foundational concepts and its potential in diagnostics, drug discovery, and personalized treatment. The session was attended by 135 participants, including students, researchers, and industry professionals. Engaging discussions, positive feedback, and an interactive Q&A highlighted the success of this event, reflecting a strong interest in advanced quantum technologies.



Upcoming EVENTS

OCT

21

WEBINAR

*Exploring Cutting-Edge
Techniques in NLP*

OCT

22

WEBINAR

Federated Learning

OCT

23

SDP

*Decentralized Finance
(DeFi) 2.0*

OCT

25

HACKATHON

*Innovate Tech:
Engineering Solutions*

OCT

25

WEBINAR

*Research Article
Preparation*

OCT

26

FDP

AI and ML

OCT

28

WEBINAR

*Business Intelligence
Tools for Business
Analytics*

NOV

28

WORKSHOP

*Modern Tools in Data
Analytics*

NOV

7

FUSION FORUM

*Industry Academia in
Harmony*

Pathways to Success: Training for the Future

Ph.D Graduates: Pioneers of Research, Shaping the future of Knowledge



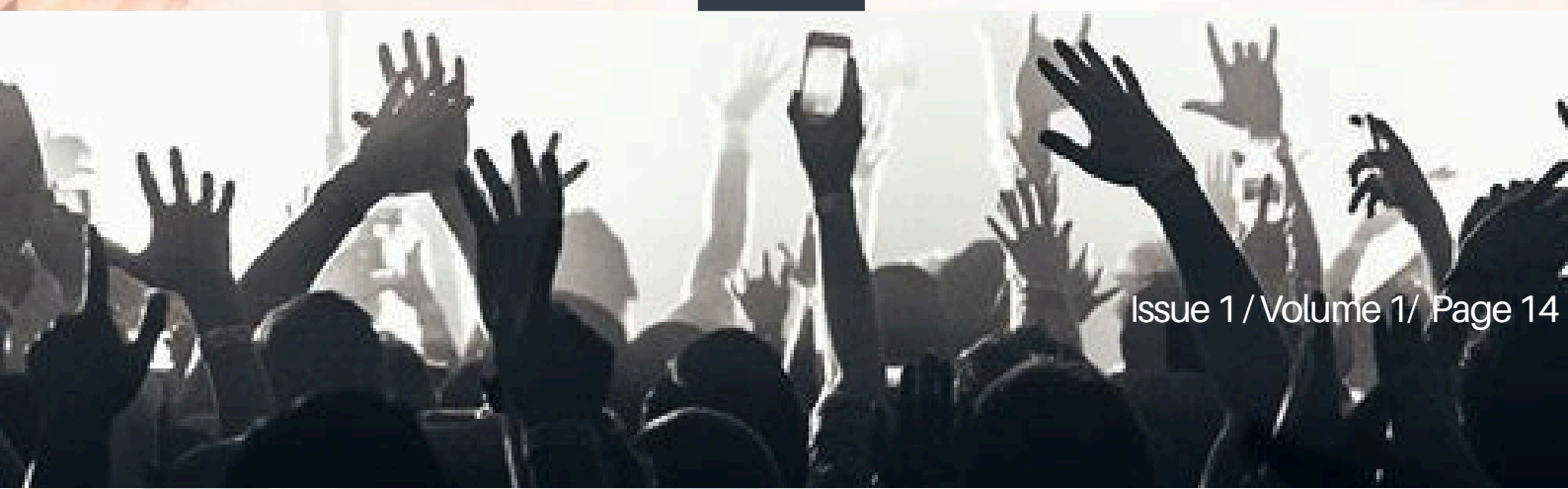
Dr. Vetrmani Elangovan, working as Head of Department & Assistant Professor in the Presidency School of Information Science has recently been awarded a Doctor of Philosophy degree from Annamalai University. The research focus was on "**Croup Cough Disease Detection Using Deep Learning Techniques**" conducted under the guidance of Dr. M. Arulselvi showing innovative contributions in medical AI and Deep Learning applications.



Dr. Kimmi Kumari, an Assistant Professor in the Presidency School of Information Science at Presidency University, Bangalore. She has recently earned her Doctor of Philosophy degree from Visvesvaraya Technological University, Belagavi. Her thesis, titled "**Analysis and Design of Secure Algorithms for Big Data**" was completed under the esteemed guidance of Dr. M. Mrunalini, marking a significant achievement in her academic career.



Dr. Ranjitha P., Assistant Professor at the School of Computer Science, Presidency University, has recently completed her PhD in Computer Science and Engineering. Her dissertation, titled "**Enhancing the Prediction Techniques for Night Vision Environment in Vehicle Automation,**" was supervised by Dr. Saira Banu Atham, Professor and HOD, PSCS, Presidency University, Bengaluru. Her research focuses on Computer Vision and IoT. Dr. Ranjitha's achievement demonstrates her dedication and enhances the academic prestige of our institution.



Pathways to Success: Training for the Future

Celebrating Excellence: Student and Faculty Awards



1

Ms. Soumya

Ms. Soumya received the "Best Paper Presenter Award" at the 2nd IEEE NMITCON-2024 for her paper, "FaceShroud: Advanced Real-Time Mask Detection Using Deep Learning," showcasing her research excellence in AI. Congratulations!



2

Ms. Naiwrita Borah

Ms. Naiwrita Borah has been recognized as a Reviewer for IEEE Mysurucon 2024, held at Vidya Vikas Institute of Engineering & Technology, Mysuru, on August 30-31, 2024. Congratulations to Ms. Borah for her contributions to advancing engineering and technology



Student-Led Transformation: Enhancing Library Management with Koha

3

We are pleased to announce the successful completion of the "Library Gate Register Application Software with Koha Integration" project by Mr. Jahnu Tanai Kumar Hindupur, under the guidance of Dr. Zafar Ali Khan N. This project bridges a gap in Library Management Systems by integrating an advanced In-out Management System with Koha. Using a PHP plugin, it scans library ID barcodes, records entry/exit times, and provides real-time data from Koha. The system enhances security, offers detailed reports, and streamlines resource management, demonstrating our commitment to leveraging student innovation to modernize campus libraries.



Pathways to Success: Training for the Future

Pursuit of Knowledge and Innovation - Faculty Development Program



Ms. Neha Arora successfully completed a Faculty Development Program (FDP) on UI Path Robotic Process Automation Design & Development, conducted by ICT Academy from August 5th to August 9th. The program equipped her with essential skills in automation, enabling her to streamline processes and enhance efficiency in various applications. She is now well-prepared to implement RPA solutions in her teaching and research. Congratulations on this achievement!

Dr. Debasmita Mishra successfully completed one-week Faculty Development Program on UI PATH Robotic Process Automation Design & Development, conducted by ICT Academy from 5th to 9th August 2024. Her dedication to enhancing her skills in automation technologies reflects her passion for continuous learning and professional development. Congratulations, Dr. Debasmita.

Ms. Priyanka Niranjana has completed one-week Faculty Development Program on UI PATH Robotic Process Automation Design & Development, held by ICT Academy from 5th to 9th August 2024. Her proactive approach to mastering automation technologies showcases her drive for continuous improvement and professional excellence. Kudos to Ms. Priyanka!



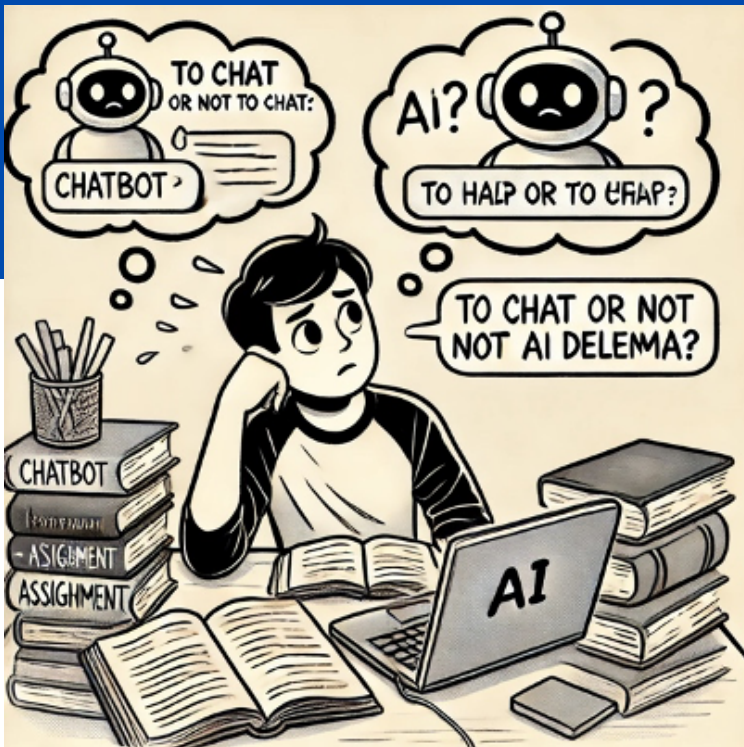
To Chat or Not to Chat:

The Student's AI Dilemma

In a world where time is money and knowledge is power, having an assistant who can answer any question and solve any problems is like having your elf. No, we are not talking about a super smart intern or a group of researchers, but the AI who's the talk of the digital world - ChatGPT.

While the world was struggling to keep up with the COVID-19 pandemic, OpenAI - an American Artificial Intelligence (AI) research organization - utilized it is time to develop a chatbot and virtual assistant called ChatGPT. It was launched on November 30, 2022, and took the digital world by storm. As everyone was swept up in a wave of curiosity, students had only one thought:

"Why didn't they launch it during lockdown?"



Need help with a history essay? ChatGPT's got your back. Struggling to understand the solution to a complex mathematical problem? It will provide you with a detailed step-by-step explanation. Require a baseline guide for your research. ChatGPT has got it all covered. It's like your personal tutor, answering your questions in seconds.

This innovative AI helps summarize key points, create flashcards, and generate study guides to aid student learning. It also provides code for various problem statements while generating project ideas for interested students. As a supporting tool, it helps students learn efficiently and independently.

But here's the catch: ChatGPT is like a quirky, know-it-all friend—brilliant one moment, hilariously off-base the next. While it may be your go-to for homework solutions, it might also claim it solved global warming while advising you to water cacti with orange juice. This digital brainiac confidently dishes out facts from its last update as if they're breaking news, even if that "latest scoop" is actually years old.

There are also days when it goes off-track. Sometimes it goes all "Error 404: Page Not Found" on you, serving up repetitive answers or getting stuck in processing loops. This isn't just frustrating - it's a real limitation of large language models like ChatGPT, which can struggle with clarity over long exchanges. And let's not forget those moments when it latches onto a random word in your query, sending the conversation sideways. While this showcases its broad knowledge base, it also highlights ChatGPT's occasional difficulty in maintaining context and relevance. These quirks remind us that for all its impressive capabilities, AI still has ways to go in matching human-like conversation flow and understanding.

Broadly speaking, ChatGPT is like a jack-of-all-trades. It is not only about providing answers - it enhances the learning of a student by identifying errors in their work, guiding them towards better writing practices, and providing source links for fact-checking. But while it's a powerful tool, it's not an invincible one.

So always remember - AI can be your co-pilot, but you should always be the one in the driver's seat, steering your journey of learning.

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Community Conversations: Insights from the field

9/23/24, 2:15 PM

AI needs to be rescued from spin. Its future can't be decided by Big Tech: Amba Kak - Times of India

Printed from
THE TIMES OF INDIA

AI needs to be rescued from spin. Its future can't be decided by Big Tech: Amba Kak

TNN | Sep 22, 2024, 04:00 AM IST



Along with CEOs like Sundar Pichai and Satya Nadella, Time magazine's list of '100 Most Influential People in AI 2024' also features Amba Kak, a key voice rallying against the concentration of power in the hands of a few companies. Kak, executive director of the AI Now Institute, speaks to Sunday Times about why AI is called the new 'snake oil'

1) Was it a surprise to find yourself on the Time magazine list or did you know that you were a contender?

I've been working on technology policy for over a decade now in a whole range of contexts that all tie into the broader project of trying to shape technology in the public interest. The fact that our work at the AI Now Institute asking hard questions of the AI

industry was placed alongside the big tech CEOs in the Time list is recognition that defining the horizon of 'innovation' isn't the dominion of tech companies alone, and it certainly can't just be decided by and in Silicon Valley. This also reflects shifting consensus – despite the tremendous lobbying muscle of these firms, many governments are waking up to the perils of concentration of power in a very narrow section of the tech industry, which is increasingly erratic and immune to scrutiny. We're grateful to be working alongside many others in pushing for an actionable policy agenda that's focused on reasserting democratic control over this tech.

<https://timesofindia.indiatimes.com/home/sunday-times/all-that-matters/ai-needs-to-be-rescued-from-spin-its-future-cant-be-decided-by-big-tech-amba-kak/articleshowprint/113556979.cms>

1/5

An excerpt from a Times of India , to read the full article , follow the [link](#) :
Issue 1 / Volume 1/ Page 18

Atomic Habits by James Clear

Ratings ★★★★★

James Clear's *Atomic Habits* is a practical guide on building good habits and breaking bad ones through small, consistent changes. The core idea is that tiny, incremental actions can lead to significant long-term improvements.

Clear introduces the concept of "atomic" habits—simple, actionable steps. He outlines the habit formation process in four stages: Cue, Craving, Response, and Reward, forming the "habit loop." He emphasizes that success comes from daily habits rather than dramatic transformations and advocates focusing on systems instead of goals.

Clear presents four laws of behavior change:

1. Make it Obvious: Design your environment to highlight desired behaviors.
2. Make it Attractive: Link positive emotions to the actions you want to adopt.
3. Make it Easy: Reduce barriers to good habits.
4. Make it Satisfying: Use immediate rewards to reinforce positive behaviors.

Strengths

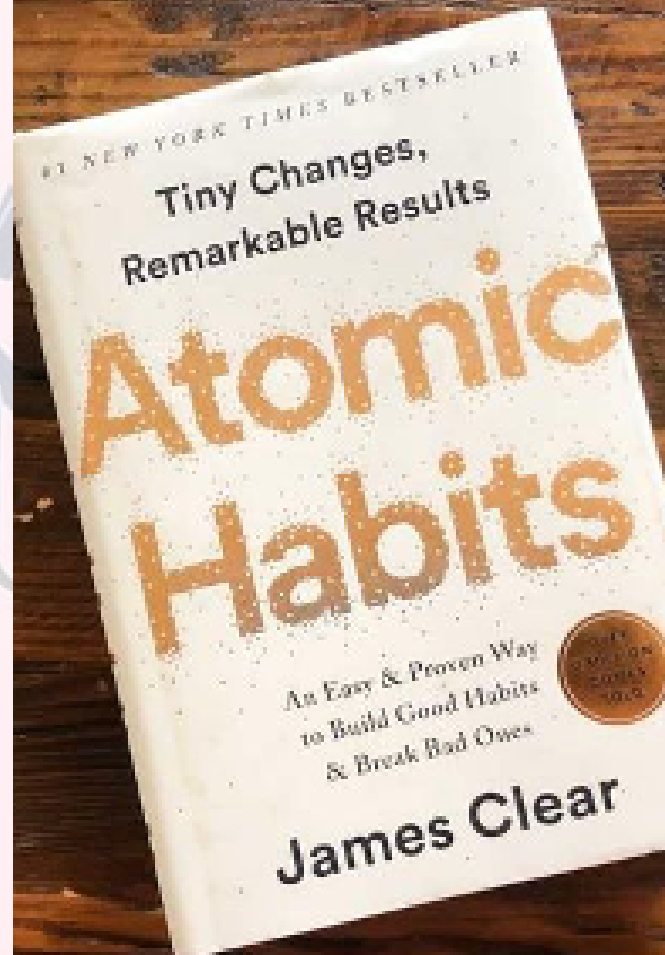
The book's simplicity and practicality shine through real-life examples and insights from psychology. Strategies like habit stacking and the 2-minute rule offer easy, actionable steps.

Areas for Improvement

Some readers may find familiar ideas if they've read other habit literature, like *The Power of Habit*. The focus on small changes may not appeal to those seeking quick transformations.

Conclusion

Atomic Habits is an insightful resource for improving daily routines, reminding us that success is the result of consistent habits, not singular leaps.



The Communique

Issue 1 / Volume 1

COMPUTING AND TECHNOLOGY ETHICS: ENGAGING THROUGH SCIENCE FICTION -

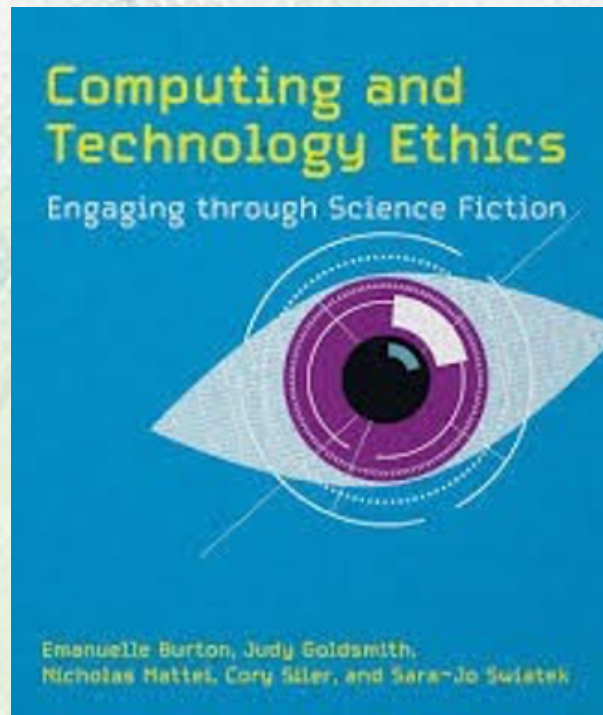
This book skilfully weaves together science fiction and the ethical challenges that arise from technology and computing. Through speculative fiction tales and situations, the authors provide readers with a way to explore complex moral dilemmas concerning artificial intelligence (AI), data privacy, and society's response to technological advancements. In a world where technology is pervasive, this book presents a fresh perspective on ethics education and engagement.

Strengths:

Engaging Format: Science fiction provides an engaging format for teaching by placing readers in hypothetical situations that mirror real-world technological dilemmas. This method is particularly useful for students or readers unfamiliar with ethics, as it makes the often difficult topic more approachable and interesting.

Practical Implications: By tying moral debates to current developments in technology, such as AI, surveillance, and automation, the book deftly bridges the gap between fiction and reality.

Collaboration Across Disciplines: With contributions from a wide range of disciplines, including philosophy, computer science, and literary studies, this book provides a thorough framework for understanding and evaluating technological ethics.



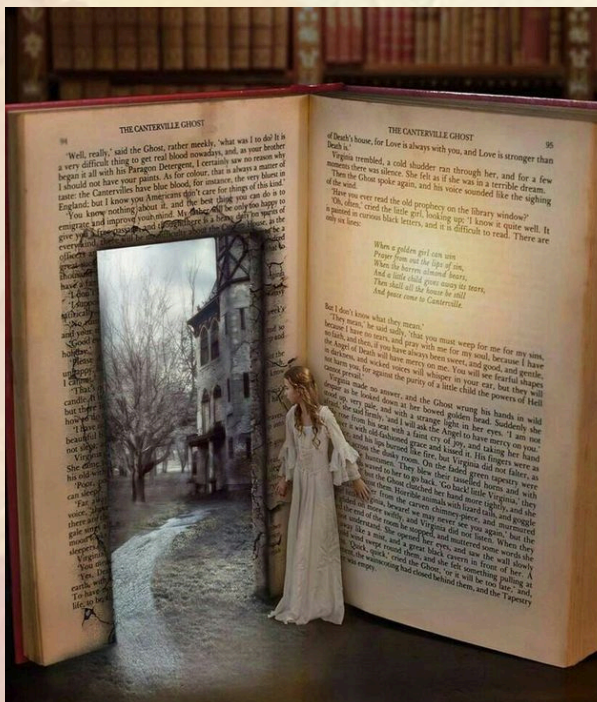
Ratings ★★★★★

Areas of Improvement:

Specific Audience Appeal: While speculative fiction makes ethical themes more accessible, it may alienate readers who aren't interested in or familiar with the genre. Some readers might prefer serious discussions on ethics without the fictional component.

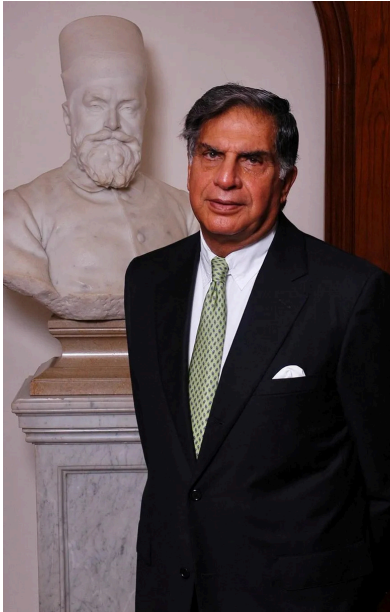
Overemphasis on Fiction: Due to the heavy reliance on science fiction, some ethical debates may feel theoretical rather than directly applicable to real-world problems.

Conclusion: An engaging and informative exploration of the moral challenges posed by technological advancements, *Computing and Technology Ethics: Engaging Through Science Fiction* is a must-read for those interested in both technology and ethics. Its innovative approach, combining fiction with academic discourse, makes it a stimulating read for educators, technology enthusiasts, and ethics scholars alike.



RATAN TATA: INDIA'S TITAN FALLS SILENT

None can destroy iron, but its own rust can. Likewise, none can destroy a person, but their own mindset can.

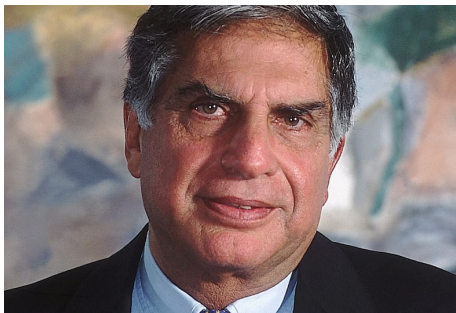


India has lost one of its greatest industrial icons, Ratan Tata, a man whose life was defined by humility, vision, and integrity. As the guiding force behind the Tata Group, his leadership reshaped not only Indian industry but also global business. Even in his passing, the values he stood for continue to inspire millions.

In his own golden words, he often said, "I don't believe in taking right decisions. I take decisions and then make them right."

These words reflect the boldness with which he led, always forward-thinking, always with the goal of making lives better. As we reflect on his journey—from transforming a family business into a global empire to his immense philanthropic endeavors—his quiet strength and boundless compassion shine through.

Though he is no longer with us, Ratan Tata's legacy will continue to illuminate paths for generations to come. A titan may have fallen, but his impact remains everlasting.



Key Milestones in the Life and Legacy of Ratan Tata

<p>DECEMBER 28, 1937. Born on December 28, 1937, in Bombay (now Mumbai), India, to Naval Tata and Sooni Tata.</p>	<p>1962 Joined Tata Group and began working at Tata Steel</p>	<p>1962 Graduated from Cornell University, USA, with a degree in Architecture.</p>	<p>1975 attended the Advanced Management Program at Harvard Business School</p>	<p>1991 Ratan Tata succeeded J.R.D. Tata as the Chairman of Tata Group</p>	<p>1998 Launch of Tata Indica, under Ratan Tata's leadership.</p>	<p>2000 Tata Tea (now Tata Consumer Products) acquired Tetley Tea</p>	<p>2000 Tata Steel acquired Corus Group, a major British steelmaker.</p>	<p>2000 Awarded with Padma Bhushan</p>	<p>2007 Tata Motors launched the Tata Nano, aimed at being the world's cheapest car, priced at ₹1 lakh</p>	<p>2008 Tata Motors acquired the British luxury car brands Jaguar and Land Rover from Ford Motor Company.</p>	<p>2008 Awarded with Padma Vibhushan</p>	<p>2012 Retirement as Tata Group Chairman, handing over the reins to Cyrus Mistry.</p>	<p>2016 Returned as interim Chairman of Tata Sons after the removal of Cyrus Mistry.</p>	<p>OCTOBER 9, 2024 Ratan Tata passed away on October 9, 2024, at the age of 86.</p>
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Ratan Tata: A Journey of Integrity, Innovation, and Humility"



THE WRAP-UP

As we bring this edition of our university magazine to a close, we reflect on the inspiring stories, achievements, and ideas shared within these pages. Each article, project, and accomplishment represents the passion, dedication, and innovation that define our vibrant university community. From breakthrough research to student-led initiatives, the collective efforts showcased here are a testament to the brilliance and potential of our students, faculty, and staff.

We hope this magazine not only informs but also ignites a sense of pride in what we have achieved together and motivates us to continue striving for excellence. The future holds boundless opportunities, and it is our shared commitment to learning, growth, and collaboration that will propel us forward.

Thank you to everyone who contributed to making this edition a success—our authors, designers, photographers, and the entire editorial team. We look forward to your continued support in future editions, and we encourage everyone to keep sharing their stories, ideas, and innovations.

Until next time, let us keep pushing the boundaries of knowledge and creativity, making our university a place where dreams turn into realities.

WARM REGARDS,
THE EDITORIAL BOARD

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Issue 1 | Volume 1



The
COMMUNIQUE