

The Communique

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

AI + Metaverse = Infinite Opportunities
The equation that redefines tomorrow



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LETTER FROM THE EDITOR

From Insights to Impact—Lead the Change

As we stand at the intersection of Artificial Intelligence and the Metaverse, we witness a new digital frontier—where imagination meets intelligence. This fusion goes beyond a technological milestone, creating an intelligent universe that learns, evolves, and interacts with us in transformative ways.

AI brings cognition to the Metaverse, making virtual worlds adaptive and human-centered. From immersive learning to smart healthcare and digital economies, this convergence is redefining how we live, work, and connect.

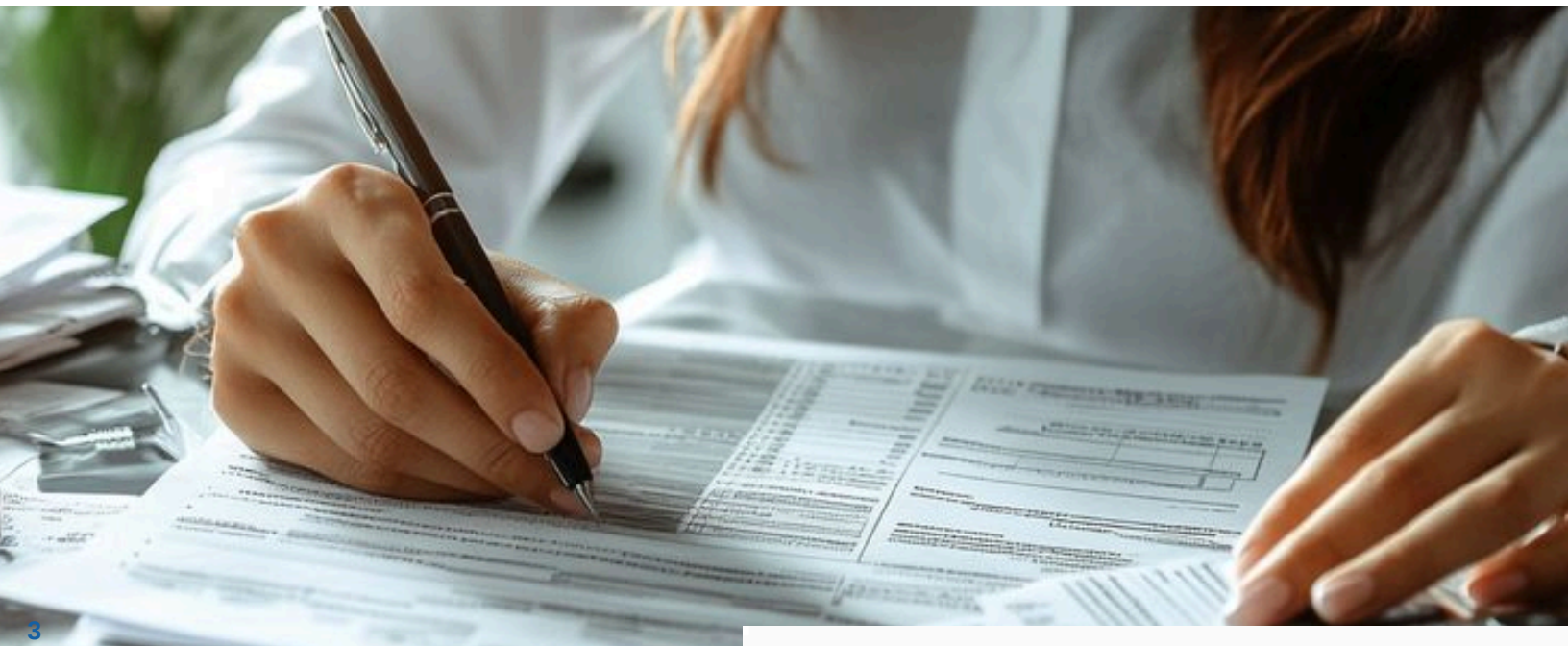
In this edition of The Communique, themed “AI + Metaverse = Infinite Opportunities,” we explore how this synergy is transforming industries, inspiring innovation, and reshaping the future of human-machine collaboration.

As technology expands the boundaries of possibility, it is vital that we guide it with responsibility, inclusivity, and purpose. The equation of the future is not just digital—it’s profoundly human.

Technology must empower humanity, not overshadow it. By understanding the opportunities and responsibilities this convergence brings, we can shape systems, industries, and societies that are smarter, safer, and more resilient.

Join us as we explore how AI and the Metaverse together unlock infinite opportunities, redefining the way we imagine, interact, and innovate for a smarter, more connected tomorrow.

The Editorial Board



FROM THE HELM

It is my privilege to present this edition of The Communique, themed “AI + Metaverse = Infinite Opportunities: The Equation That Redefines Tomorrow.” This theme embodies the spirit of a technological revolution that is redefining how we live, learn, and connect in an increasingly digital world.

The convergence of Artificial Intelligence and the Metaverse represents more than technological progress—it marks a paradigm shift toward intelligent, immersive ecosystems that seamlessly bridge the physical and virtual realms. This powerful fusion is unlocking new frontiers of innovation, transforming industries, reshaping education, and amplifying human potential.

For International Relations, this convergence opens pathways to a more inclusive and globally connected community. It empowers universities to transcend geographical boundaries through virtual mobility, collaborative research, and immersive learning experiences. At Presidency University, we embrace this transformation, strengthening global partnerships through innovation, empathy, and shared vision.

As we explore these infinite opportunities, it is vital to balance progress with responsibility. True advancement lies not only in technological breakthroughs but in their ability to serve humanity with integrity and purpose. This edition of The Communique reflects that commitment—showcasing ideas and inspirations that shape a sustainable, human-centred digital future. Let this serve as a reminder that technology achieves its highest value when it uplifts communities and empowers lives.

Best Regards,

Prof. (Dr.) S. Sivaperumal

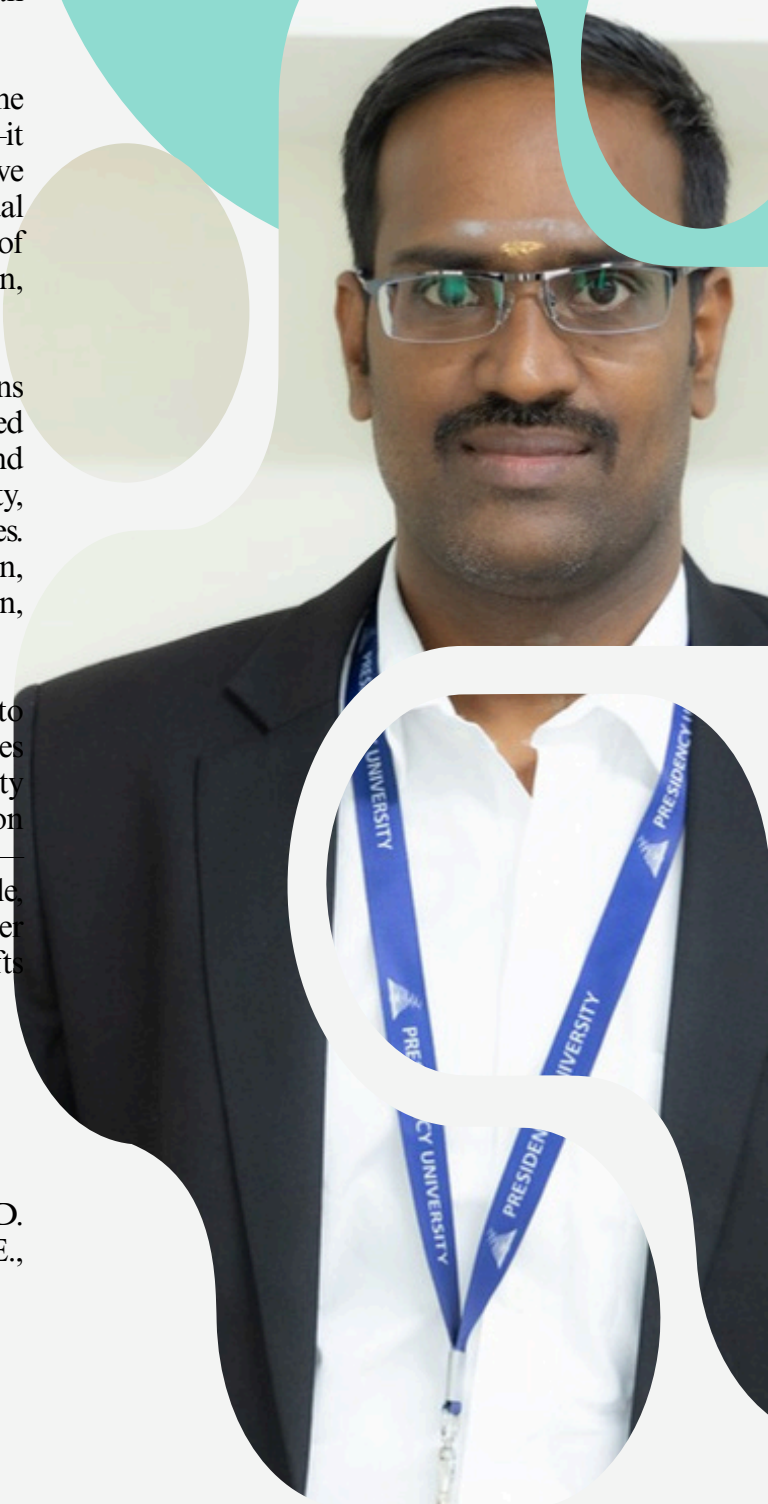
B.E. (ECE), M.E. (VLSI), Ph.D. (Control Systems), Ph.D. (Communication Systems), FIE., FIETE., SMIEEE., MISTE.

Pro-Vice Chancellor

Director – International Relations

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Presidency University, Bengaluru



FROM THE HELM

It gives me immense pleasure to introduce this edition of The Communique, themed “AI + Metaverse = Infinite Opportunities: The Equation That Redefines Tomorrow.” This theme reflects an era of intelligent transformation—where Artificial Intelligence and the Metaverse converge to create new dimensions of collaboration, learning, and innovation.

The fusion of AI and the Metaverse transcends traditional boundaries, connecting people, ideas, and institutions across the globe. In this shared digital realm, geographical distances dissolve, fostering international partnerships, cross-cultural exchanges, and global problem-solving on an unprecedented scale. Such technology-driven interconnectedness is redefining how we educate, communicate, and create collective impact.

This convergence represents a gateway to a more inclusive and dynamic global community. It empowers universities to offer immersive learning environments, virtual mobility programs, and collaborative research opportunities that extend far beyond physical campuses. At Presidency University, we proudly embrace this transformation—strengthening our global engagement through innovation, empathy, and shared vision.

As we explore these infinite opportunities, we must also uphold the principles of ethics, equity, and sustainability. Technology should not only connect minds but also inspire meaningful change and foster responsible global citizenship.

This issue of The Communique captures that spirit of connected intelligence—showcasing perspectives that blend technological excellence with human purpose. I invite you to delve into its pages and envision a future where knowledge, collaboration, and innovation know no boundaries.

Best Regards,

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



THE COMMUNIQUE



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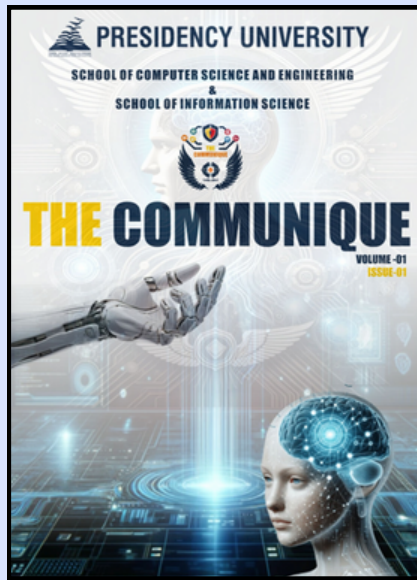
THE TEAM

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



DR. SRABANA PRAMANIK
SUB EDITOR

A Year in Review: Turning Pages of Progress

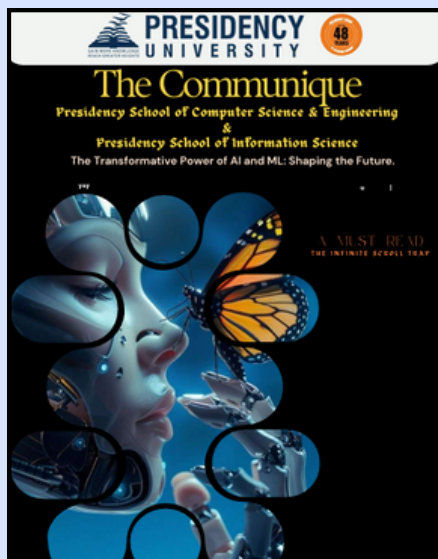
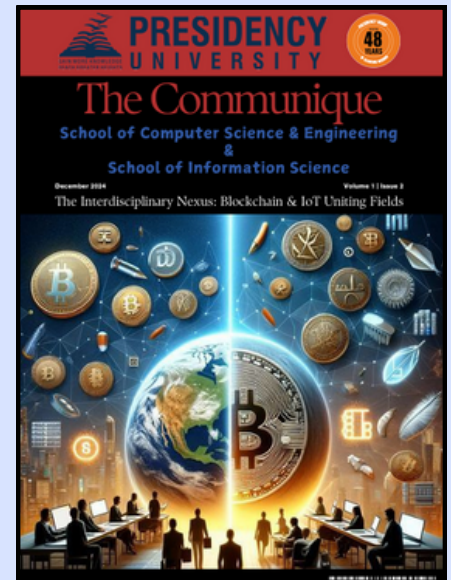


Issue 1: The Communique

The inaugural issue of The Communique marks a proud milestone for the School of Computer Science and Engineering & the School of Information Science at Presidency University. This edition captures the essence of innovation, learning, and creativity showcased throughout the year. It highlights academic achievements, research endeavors, student activities, and faculty contributions that reflect our collective pursuit of excellence. Issue 1 stands as a testament to the spirit of collaboration and the vibrant academic culture within our schools.

Issue 2: The Interdisciplinary Nexus - Blockchain & IoT

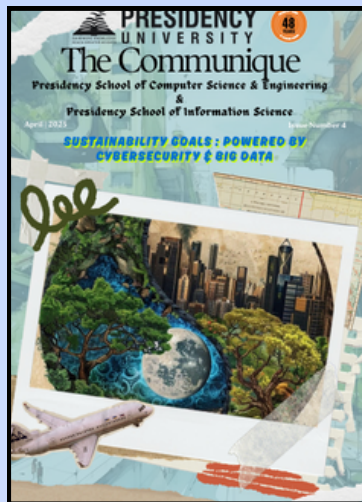
The Communique – Issue 2 explores the powerful synergy between Blockchain and the Internet of Things (IoT), technologies revolutionizing the modern digital ecosystem. This edition delves into their transformative role across industries such as healthcare, finance, and smart cities—highlighting innovation, transparency, and security. Featuring expert insights, student contributions, research frontiers, and interactive segments, this issue bridges technology and creativity, reflecting our commitment to interdisciplinary learning and a connected future.



Issue 3: The Transformative Power of AI and ML - Shaping the Future

The Communique – Issue 3 delves into the fascinating world of Artificial Intelligence and Machine Learning, exploring how these technologies are redefining industries, creativity, and human potential. From ethical AI practices to generative intelligence in cybersecurity and AI's evolving role in gaming, this issue captures the pulse of innovation. It highlights thought-provoking insights, research achievements, and student contributions that reflect how AI and ML continue to shape a smarter, more sustainable, and ethically conscious future.

A Year in Review: Turning Pages of Progress

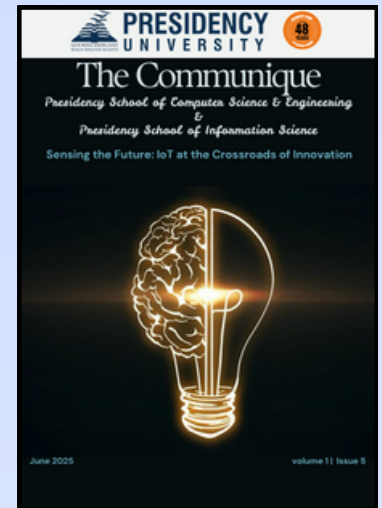


Issue 4: Sustainability Goals - Powered by Cybersecurity & Big Data

The Communique – Issue 4 explores the intersection of sustainability and technology, emphasizing how cybersecurity and big data drive a safer, greener future. This edition highlights the vital role of secure digital ecosystems in achieving global sustainability goals through innovations in AI, blockchain, and quantum-safe systems. From empowering women in tech to showcasing real-world applications in smart grids and climate analytics, this issue blends ethics, innovation, and environmental responsibility—reminding us that progress must be both intelligent and sustainable.

Issue 5: Sensing the Future - IoT at the Crossroads of Innovation

The Communique – Issue 5 dives deep into the transformative power of the Internet of Things (IoT), exploring how intelligent connectivity is reshaping industries and everyday life. From smart cities and healthcare to agriculture and automation, this edition highlights the impact of IoT on innovation, ethics, and sustainability. With insightful articles on AIoT, quantum communication, cognitive sensing, and research breakthroughs, this issue captures the spirit of progress in a connected world—where technology meets purpose and responsibility.



Issue 6: Digital Twin - The Power of Real Time Replication

The Communique – Issue 6 explores the transformative world of Digital Twins—virtual replicas that mirror real-world systems to enhance efficiency, innovation, and sustainability. This edition delves into how digital twin technology is revolutionizing industries from manufacturing to healthcare, enabling predictive maintenance, real-time analytics, and smarter decision-making. Through expert insights, student perspectives, and research highlights, the issue captures how this fusion of data and design is shaping the next frontier of intelligent transformation.

AI Meets the Metaverse: Shaping Tomorrow's Reality

The convergence of Artificial Intelligence (AI) and the Metaverse is unlocking unprecedented opportunities, creating a future where digital and physical realities blend seamlessly. This powerful equation—AI + Metaverse—is more than a tech trend; it's a fundamental shift in how we create, connect, and collaborate.

Think of it like this: If the Metaverse is a vast, virtual universe, AI is the intelligent force that breathes life into it. AI acts as the architect, designer, and guide, transforming static digital spaces into dynamic, responsive environments. It enables real-time intelligence, powers immersive simulations, and facilitates data-driven interactions that feel intuitive and natural. This isn't about escaping reality; it's about expanding it.

This innovation echoes the spirit of Engineers Day. Just as engineers design the physical world, AI engineers are now building the foundational infrastructure of our digital future. Their ingenuity is what allows the Metaverse to become a truly intelligent, adaptive space, paving the way for limitless possibilities in everything from education and healthcare to entertainment and commerce.

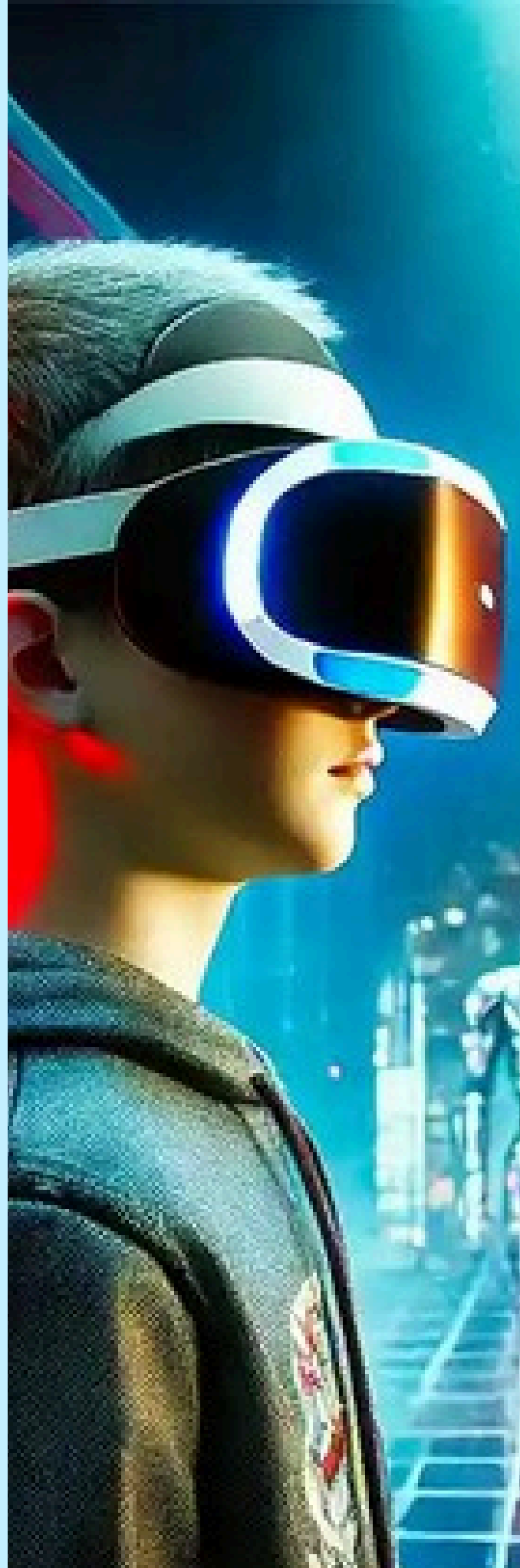
The synergy between AI and the Metaverse is as illuminating as Diwali, the festival of lights. Just as Diwali symbolizes the triumph of knowledge and light, AI brings new clarity and intelligence to the Metaverse. It sheds light on complex data, personalizes experiences, and creates new avenues for connection and creativity. Imagine AI-powered virtual assistants guiding you through a complex design project or intelligent algorithms tailoring a learning experience to your unique needs. This is the dawn of a new digital enlightenment.

This convergence also reflects the spirit of Dussehra, a festival celebrating the triumph of good over evil. In the digital realm, AI and the Metaverse are conquering the "evils" of distance and limited resources. They are breaking down geographical barriers, fostering global collaboration, and enabling new forms of expression that were once unimaginable. This partnership is empowering individuals and industries to achieve feats that would have been considered impossible just a few years ago.

In essence, AI and the Metaverse are not just reshaping industries; they are fundamentally redefining what it means to be a creator, a learner, and a collaborator. The equation is clear: AI + Metaverse = Infinite Opportunities. It's a future where human creativity, augmented by technology, knows no bounds.



Dr. Robin Rohit Vincent
B.E, M.E, PhD , (PDF, City, Univ. of London)
Professor & HoD, PSCS
Presidency University, Bengaluru



The Metaverse: Pivot in the Hype

A few years back Metaverse was a much hyped term and many companies envisioned and raced to build a complete virtual universe where people can virtually work, train, learn, live and play. Facebook, now renamed as Meta, has lost about USD 46 Billion in its Reality Labs division trying to achieve dominance in this sector but surprisingly companies like Roblox and Epic games have greater user bases and market share in this USD 95 Billion market even though they have invested far lesser amounts. This USD 95 Billion is expected to grow to USD 2 Trillion by 2032.

Currently, the Metaverse is undergoing a reality check. Significantly the Reality Labs division of Meta has shifted to a new strategy. They are focusing on building the foundational infrastructure, content pipelines and ecosystem tools which other companies with more flexibility and creativity (like Roblox) could use to make its presence in the virtual universe. Even Meta's focus has shifted from VR headsets to Oakley branded smart glasses with built in cameras and AI tools, targeting fitness enthusiasts.

There has been a geopolitical shift in the approach towards metaverse. On one side there is US government having minimal regulations and following an open market policy. Companies like Meta, Google, Apple, Roblox, etc. are part of this breed of companies which believe in free market and less regulations while prioritizing the public as customers. On the other hand is Chinese government which focuses on industrial uses of metaverse especially in healthcare, education and manufacturing. With companies like Tencent, Huawei, ByteDance working closely with the government to ensure that every transaction and user identity is government approved.

Both the Western and Eastern approaches have their limitations and advantages. The western approach is advantageous to the larger public as it is a free market with equal opportunity but the users need to be very cautious with their privacy, ethics and transactions. The Eastern approach leads to high governmental surveillance and lack of freedom in the virtual world.

We have seen that many consumers have not embraced the Metaverse as expected. The entertainment aspect of the metaverse had limited takers and they were primarily from the gaming sector and users of from AI avatar based simulations. On the other hand, AR/VR systems have seen a steady growth in industrial sectors especially for training, remote 3D collaborations, digital twins, and mixed reality environments in manufacturing and military.

At Presidency University, this pivot has been noticed by the faculty and focus is on to create new courses which enable our students to master this growing trend of using AI integrated AR/VR environments for industrial applications.



Dr. Pradeep Bhaskar
Associate Professor, SOIS
Presidency University, Bengaluru

AI + Metaverse = Infinite Opportunities

The Equation That Redefines Tomorrow

The convergence of Artificial Intelligence and the Metaverse represents one of the most transformative technological synergies of our time. This powerful combination is not merely an addition of two technologies, but a multiplication of possibilities that promises to reshape how we live, work, learn, and interact in digital spaces.

The Foundation: Understanding the Components

Artificial Intelligence: The Brain

AI brings intelligence, automation, and adaptability to digital environments. Through machine learning, natural language processing, and computer vision, AI enables systems to understand, learn, and respond to human behaviour in increasingly sophisticated ways. It powers personalisation, predictive analytics, and autonomous decision-making that make digital experiences more intuitive and meaningful.

The Metaverse: The Canvas

The Metaverse provides immersive, persistent virtual worlds where users can interact, create, and transact. Built on technologies like virtual reality, augmented reality, blockchain, and spatial computing, it offers a three-dimensional internet where physical and digital realities merge seamlessly.

The Synergy: Where Magic Happens

When AI meets the Metaverse, the result is exponentially greater than the sum of its parts. AI transforms static virtual worlds into dynamic, responsive ecosystems. Intelligent NPCs become indistinguishable from human players. Virtual assistants understand context and emotion. Content generation becomes instant and personalised. The Metaverse, in turn, provides AI with rich, multi-dimensional data and new frontiers for application.

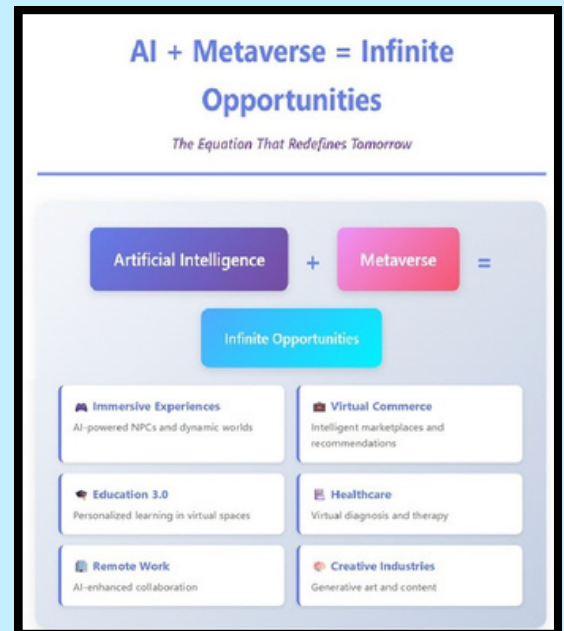
Real-World Applications

In education, AI-powered virtual tutors adapt to each student's learning style within immersive 3D classrooms. In healthcare, AI analyses patient data while doctors conduct examinations in virtual clinics accessible from anywhere. Businesses hold meetings in AI-optimised virtual spaces that read body language and suggest optimal collaboration strategies. Artists collaborate with AI to create generative art in virtual galleries visited by millions.

The Infinite Opportunities

This convergence opens doors to opportunities we're only beginning to imagine. New job roles will emerge, from AI world-builders to virtual economy managers. Entire industries will be born in this space. The democratisation of creation tools powered by AI will enable anyone to build, sell, and thrive in virtual economies. Social connections will transcend physical boundaries while feeling more present than ever before.

The equation $AI + Metaverse = Infinite Opportunities$ isn't just a mathematical expression—it's a promise of a future where technology amplifies human potential, creativity knows no bounds, and the impossible becomes merely a matter of imagination.



Dr. Harishkumar K. S
Asst Professor - Senior Scale, PSIS
Presidency University, Bengaluru

Innovative Pedagogy: Bridging Academia and Industry through Alumni Engagement

The evolution of education in the digital age has redefined the boundaries of traditional learning. With technology shaping every aspect of modern life, the shift from conventional classroom-based instruction to interactive and digitally enriched learning has become inevitable. This transformation calls for innovative pedagogical approaches that blend theoretical knowledge with practical, real-world insights.

Embracing this vision, the Department of Information Science and Technology, through the Informatica Club, has implemented an innovative teaching-learning model that connects academia with industry through active alumni participation. By involving their accomplished alumni, the department has created a dynamic learning environment where students gain firsthand exposure to industry practices while revisiting core academic concepts.

The initiative titled **“Bridging Academia and Industry: Insights into SDLC, Agile Tools, Cloud Technologies, and Emerging Software Roles”** stands as a testament to this approach. The pedagogy encourages peer-level interaction, where alumni serve as facilitators of learning, fostering relevance, engagement, and deeper understanding.

This initiative not only enriches conceptual clarity but also strengthens students’ industry readiness by exposing them to current trends, tools, and professional practices. It exemplifies how experiential and collaborative learning can bridge generational and industrial gaps — shaping future engineers who are agile, informed, and adaptable to the evolving digital landscape.

Such innovative pedagogical efforts reaffirm the institution’s commitment to continuous learning, ensuring that education evolves in pace with technology and industry needs. This model serves as an inspiring example of how academic excellence can merge seamlessly with real-world expertise.



The poster is for a 'Tech-Talk' event titled 'Bridging Academia and Industry: Insights into SDLC, Agile Tools, Cloud Technologies, and Emerging Software Roles'. It features a portrait of NeelRaj S G, a Software Engineer at LG Soft India. The event is scheduled for November 05, 2025, from 1:30 PM to 3:15 PM, at F-Block, Seminar Hall-1. The event coordinators are Ms. Impa B H, Dr. Afroz pasha, and Dr. Praveena N. The convenor is Dr. Pallavi R. The poster includes logos for Presidency University, Alumni Association, and Informatica Club, along with social media icons and the university's website.

PRESIDENCY UNIVERSITY
ALUMNI ASSOCIATION
INFORMATICA CLUB

Presidency School of Computer Science and Engineering

Tech-Talk

Bridging Academia and Industry:
Insights into SDLC, Agile Tools, Cloud Technologies, and Emerging Software Roles

NeelRaj S G
Software Engineer
LG Soft India

November 05, 2025
1:30 PM to 3:15 PM
F-Block, Seminar Hall-1

EVENT COORDINATORS
Ms. Impa B H - Asst. Prof
Dr. Afroz pasha - Asst. Prof - Senior Scale
Dr. Praveena N - Asst. Prof - Senior Scale

CONVENOR
Dr. Pallavi R, Professor & Head, PSCS

www.presidencyuniversity.in



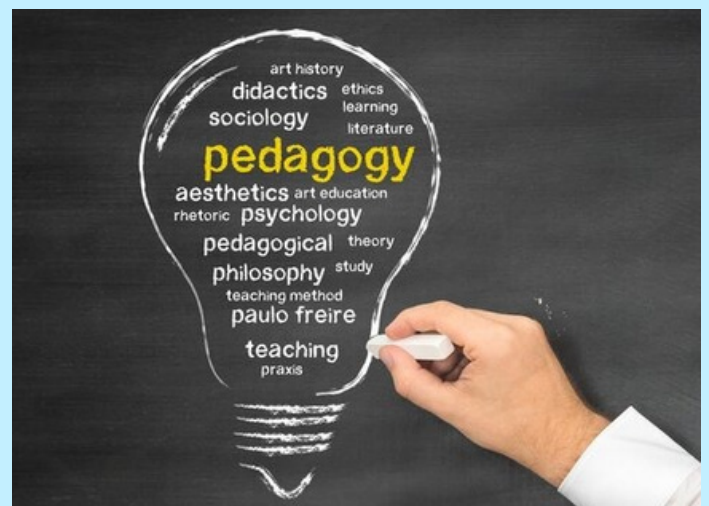
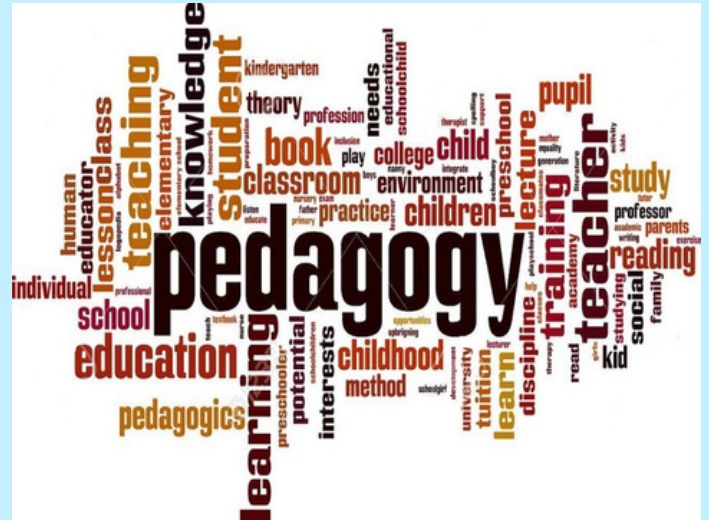
Insights shared by:-
Dr. Pallavi R.,
Professor & HoD - IST, CSN, CSI, COM
Presidency University, Bengaluru

Innovative Pedagogy: Research-Based Learning in Intrusion Detection and Prevention Systems

In an era where cybersecurity threats evolve rapidly, preparing students with practical, research-driven skills has become a crucial educational objective. Adopting this forward-thinking approach, the School of Computer Science and Engineering and Information Science introduced a unique research-integrated learning pedagogy in the course Intrusion Detection and Prevention Systems (CCS2506), under the guidance of **Dr. G. Shanmugarathinam, Professor, SoCSE.**

As part of this course, students were assigned an experiential learning task — to select an Intrusion Detection and Prevention System (IDPS) tool, implement it in a network environment, and analyze vulnerabilities and potential threats. This hands-on exercise bridged the gap between theoretical concepts and real-world cybersecurity practices, fostering analytical and problem-solving skills among learners.

The students exhibited exemplary performance by delivering innovative and high-quality project outcomes. Recognizing their potential, the course faculty encouraged the transformation of these assignments into research papers, which were successfully submitted to an International Conference.



The participating students Harshil Gurjar & Divyanshu Rai; Yadhu Kiran V T; Bhagyalakshmi, Samruddhi & Neha; and Anushreya Chauhan & Shreya Srivastava demonstrated how classroom learning can evolve into meaningful academic research

This initiative stands as a model of innovation in pedagogy, where teaching extends beyond conventional boundaries to inspire research-oriented learning, creativity, and independent inquiry. It reflects the School's commitment to nurturing future-ready professionals through experiential, applied, and research-driven education.



**Insight shared by:-
Dr. Shanmugharatinam G.
Professor, PSCS
Presidency University, Bengaluru**

AI x METAVERSE - LEARN, BUILD, RESEARCH

The Metaverse combines real-time 3D, XR, networking and AI to create immersive interactive spaces. This curated page lists reputable courses, tools and standards — handpicked for CSE students and faculty at Presidency University, Bengaluru — so you can learn fundamentals, build prototypes, or pursue advanced research in AI-driven immersive systems.

Sl.No	Course Title	Platform	1-line pitch	Duration / Level	QR code icon linking to the course
1	Foundations of Virtual Reality	NPTEL / IIT Madras	Covers VR hardware, perception, and system design fundamentals.	12 weeks / Beginner → Intermediate	
2	What is the Metaverse?	Coursera / Meta	Conceptual overview of Metaverse foundations and future scope.	4 hrs / Beginner	
3	Road to the Metaverse	Unity Learn	Hands-on Unity tutorials for real-time 3D and AR/VR projects.	Self-paced / All levels	
4	Developing AR/VR/MR/XR Apps with WebXR, Unity & Unreal	Coursera (offered by University of Michigan)	Practical course for developing AR/VR/XR applications using WebXR, Unity, and Unreal.	3 weeks / Intermediate	
5	VR App Development Path	edX	Learn to design, code, and deploy VR apps using Unity, Unreal, and WebXR.	6 weeks / Intermediate	

Curated Courses for AI + Metaverse

Tools for Immersive Experiences



Unity / Unreal Engine

3D development for AR/VR/MR/XR



Blender

Open-source 3D modeling software



WebXR

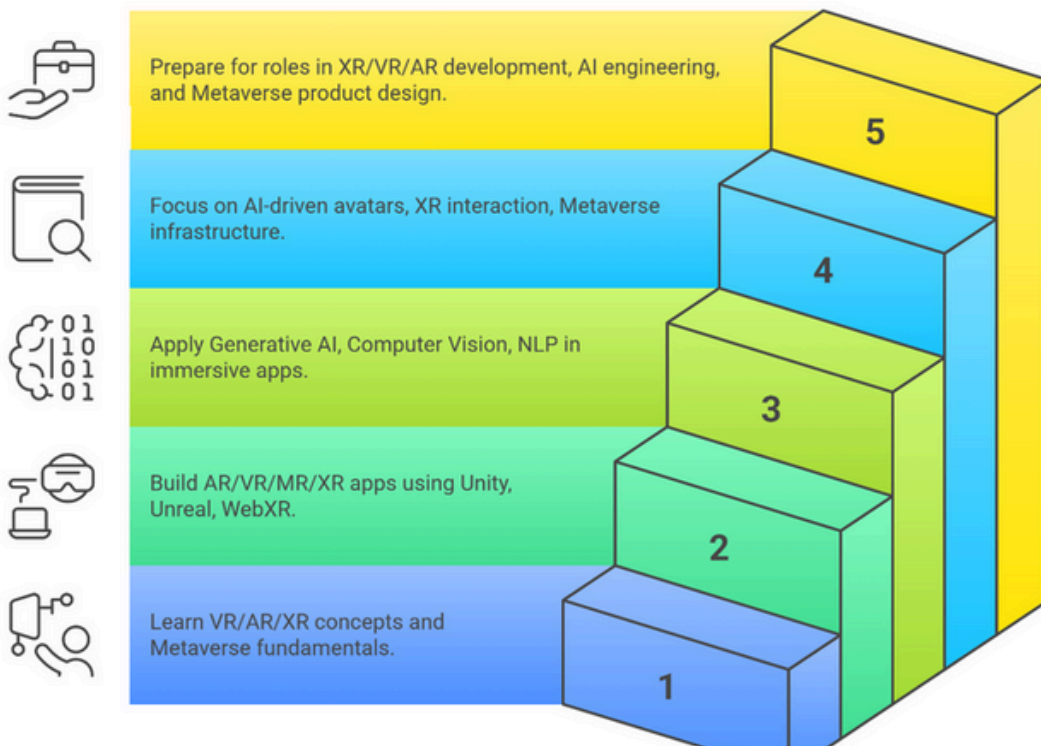
Browser-based immersive experiences



OpenAI / Hugging Face

AI for avatars, NLP, and virtual assistants

Journey to AI + Metaverse Job



Written By:-
Editorial Team
The Communique

Upcoming ATAI Faculty Development Programmes

Application Number	Title	Mode	Thrust Areas	Organizing Institute	Start Date
1743166649	AI-Driven Education: Empowering Educators for the Future	Offline	Artificial Intelligence and Applications	Pillai College Of Arts Commerce & Science	10 Nov,2025
1749700322	Artificial Intelligence and Data Science	Online	Artificial Intelligence and Applications	Apeejay College Of Fine Arts	17 Nov,2025
1743752088	Next-Gen Computing for Sustainability: Intelligent Technologies and Data-Driven Solutions	Offline	Artificial Intelligence and Applications	Christ (Deemed To Be University), Delhi Ncr Campus	17 Nov,2025
1743654974	Research-Based Pedagogical Tools for Digital Transformation through Artificial Intelligence & Machine Learning in Higher Education	Offline	Artificial Intelligence and Applications	St Wilfred'S College Of Girls	30 Nov,2025
1743227410	Generative AI & Data Science: Shaping India's Next Decade of Innovation	Offline	Engineering and Management	Sies Graduate School Of Technology	1 Dec,2025
1741180773	Data Science & Analytics for Decision Making: Tools & Techniques	Offline	Engineering and Management	Bhaskar Engineering College	15 Dec,2025
1742895639	Research Issues & Challenges in Artificial Intelligence & Machine Learning	Offline	Engineering and Management	Pune Vidyarthi Griha'S College Of Engineering & Shrikrushna S. Dhamankar Institute Of Management	15 Dec,2025



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Upcoming Conferences

Sr.No	Academic Year	Conference Name	Institute State	Mode	Nos of Days	Date	Link of WebPage	Last Date of Paper Submission
1	2025-2026	ETAAC 2026 : 1st International conference on Emerging Trends in Advancements and Applications of Computational Intelligence Techniques (ETAAC 2026).	Bhubaneswar, Odisha, India.	hybrid mode	2	10th to 11th April 2026	https://etaact.in	15 Dec,2025
2	2025-2026	2026 International Conference on Recent Advancement in Electrical, Computer and Communication Technologies (IECCT)	Bangalore, Karnataka	In person	2	10th to 11th April 2026	https://iecct.mvce.edu.in/	4 Jan, 2026
3	2025-2026	12th IEEE international conference on electronics, computing and communication technologies	Bangalore, Karnataka	In person	4	July 2-5, 2026	https://sites.google.com/view/ieeconeect2026	3 Jan, 2026
4	2025-2026	2026 International Conference on Current Trends in Advanced Computing (ICTAC)	Bangalore, Karnataka	In-person and Virtual	2	6 - 7 May 2026	https://www.kristujavanti.edu.in/ICTAC-26/	15 Dec,2025
5	2025-2026	2026 2nd International Conference on Computing for Sustainability and Intelligent Future (COMP-SIF)	Bangalore, Karnataka	In person	2	13 - 14 March 2026	https://projects.bmsit.ac.in/comp-sif/	10 Dec,2025
6	2025-2026	2026 1st International Conference on Advancing Sustainable Solutions through Technologies (ICASST)	Delhi	In-person and Virtual	2	5 - 6 February 2026	https://icasst2025.gurugramuniversity.ac.in/	10 Nov,2025
7	2025-2026	2026 National Conference on Communications (NCC)	Hyderabad	In-person	4	26 February - 1 March 2026	https://ee.iith.ac.in/NCC2026/	15 Nov,2025
8	2025-2026	2026 International Conference on Intelligent and Sustainable Electronics & Computing Technologies (INSECT)	Pune	In-person and Virtual	2	29 - 30 May 2026	http://engg.dypvp.edu.in/INSECT-2026/	15 Jan, 2026
9	2025-2026	The 23rd International Conference on Electrical Engineering/Electronics, Computer, Telecommunication, and Information Technology (ECTI-CON 2026)	Chonburi, Thailand	In-person	4	27 - 30 May 2026	https://eng.buu.ac.th/ecti-con2026/committees.html	4 Jan, 2026
10	2025-2026	2026 International Conference on AI-Driven Solutions for Sustainable Smart Cities: Challenges and Opportunities (ADSSSC)	Kerala	In-person	2	9 - 10 April 2026	http://adsssc.sahridaya.ac.in/	22 Dec,2025



Upcoming Research Proposals

Sr.No	Academic Year	Details of Proposal	Details of proposal Link	Important Dates
1	2025-26	Anusandhan National Research Foundation (ANRF), in collaboration with the Ministry of Electronics & Information Technology (MeitY), will soon be inviting consortia proposals to establish India's first 2D Materials Research Fab & Innovation Hub under a hub-spoke-spike model. From PU, we can submit one collaborative project proposal; interested faculty members who are all working in the mentioned domains can reach out office of sponsored research at the earliest to draft a collaborative project.	https://www.anrfonline.in/ANRF/mih_anrf?HomePage=New	Last date : 22 Nov, 2025 05:00 PM
2	2025-26	The Prime Minister's Early Career Research Grant (PM-ECRG), (PM ECRG subsumes the Startup Research Grant (SRG) scheme of erstwhile SERB) initiated by the Anusandhan National Research Foundation (ANRF), supports early-career researchers to establish independent research careers with funding up to ₹60 lakh for 3 years.	https://www.anrfonline.in/ANRF/ecrg_anrf?HomePage=New	Last Date: 2 Dec 2025, 5.00 pm
3	2025-26	ICSSR inviting research project proposals on Multi-Disciplinary Studies on Particularly Vulnerable Tribal Groups (PVTGs) of India (2025-26). Duration: 24 months / Budget: 30 Lakhs	https://icssr.org/announcements/2nd-call-multi-disciplinary-studies-particularly-vulnerable-tribal-groups-pvtgs-india	Last date :15 Nov, 2025 5.00 pm
4	2025-26	Anusandhan National Research Foundation (ANRF) Under its Mission for Advancement in High-Impact Areas (MAHA) program, Artificial Intelligence for Science & Engineering (AI-SE), launched in collaboration with the Ministry of Electronics and Information Technology (MeitY) and Scientific Departments, inviting proposals under the following tracks: Track I: Programs (in Partnership with MeitY for GPUs) Program I: AI for Science and Science of AI (ANRF) Program II: AI for Engineering Design and Accelerated Materials Development (ANRF with DRDO) Program III: AI for Weather and Climate Modeling (ANRF with MoES under Mission Mausum) Program IV: AI for Bio and Life Sciences (ANRF with DBT) Track - II: (ANRF in partnership with MeitY) National Challenges through open source contests	https://www.anrfonline.in/ANRF/ecrg_anrf?HomePage=New	Last Date: 17 Nov, 2025 5:00 PM



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Comprehensive Review of Recent Advances in Artificial Intelligence

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Artificial intelligence for literature reviews: opportunities and challenges

[Open access](#) | Published: 17 August 2024

Volume 57, article number 259, (2024) [Cite this article](#)



The paper examines how AI techniques are applied in the semi-automation of SLRs, particularly in the screening and extraction phases. It evaluates 21 leading SLR tools using a framework combining 23 traditional features with 11 AI features. Additionally, the study analyzes 11 recent tools that leverage large language models for literature searching and academic writing assistance. The authors identify three primary research challenges: integrating advanced AI solutions like large language models and knowledge graphs, improving usability, and developing standardized evaluation frameworks. They propose best practices to ensure more robust evaluations in terms of performance, usability, and transparency. This review offers a detailed overview of AI-enhanced SLR tools, providing a foundation for the development of next-generation AI solutions in this field. The article is open access and can be accessed through the Springer website.

The article titled **Artificial Intelligence for Literature Reviews: Opportunities and Challenges**, published in **Artificial Intelligence Review** in August 2024, is authored by Francisco Bolaños, Angelo Salatino, Francesco Osborne, and Enrico Motta

LINK: <https://link.springer.com/article/10.1007/s10462-024-10902-3>

How will Enterprises Succeed in 2025 with VR and AI?

[Home](#) > [Blog](#) > [How will Enterprises Succeed in 2025 with VR and AI?](#)



The article from Idea Usher provides an insightful look into how enterprises are using VR and AI to transform their operations. It effectively highlights practical applications in travel, e-commerce, and interior design, showing how VR enhances user experience while AI supports smarter decision-making. The suggestions on identifying opportunities, building skilled teams, and starting with an MVP are practical and actionable. Overall, it's a concise and informative read for anyone interested in the business impact of emerging technologies.

The article titled **How will Enterprises succeed in 2025 with VR and AI**, published in **Artificial Intelligence Review** in August 2024, is authored by Francisco Bolaños, Angelo Salatino, Francesco Osborne, and Enrico Motta.

Link: <https://ideausher.com/blog/how-enterprises-use-vr-and-ai/>



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

Comprehensive Review of Recent Advances in AR & VR

ROLE OF AI IN AUGMENTED AND VIRTUAL REALITY

Updated: August 17, 2023 | Category: Education, Explore Future Tech, Technology

Update: This article was last updated on **24th January 2025** to reflect the accuracy and up-to-date information on the page.



The article Role of AI in Augmented and Virtual Reality published on Moonpreneur's blog explores how Artificial Intelligence (AI) enhances Augmented Reality (AR) and Virtual Reality (VR) technologies. It discusses AI's role in improving object recognition, enabling natural interactions through gestures and voice, personalizing content delivery, and creating realistic simulations. The integration of AI with AR and VR is presented as a transformative force across various domains, including education, healthcare, and entertainment.

The author of the article is Arpana, a journalist-turned-content writer with a passion for storytelling. She combines her journalistic experience with new technology to create engaging, persuasive, and impactful writeups.

The article provides a comprehensive overview of how AI is shaping the future of AR and VR, making these technologies more intuitive, immersive, and accessible.

Link: <https://mp.moonpreneur.com/blog/role-of-ai-in-ar-and-vr/>

Kugler explores how advancements in AI—such as real-time speech recognition, gesture tracking, and natural language processing—are enhancing user interactions in AR and VR. These technologies are making immersive systems more intuitive and accessible, extending their use beyond niche applications to mainstream fields like education, healthcare, and professional training. The convergence of AI with AR/VR promises more personalized, context-aware, and multisensory experiences, driving broader adoption and transforming everyday life.

The article “How AI Could Supercharge AR and VR,” authored by Logan Kugler and published in the Communications of the ACM on August 22, 2025.

How AI Could Supercharge AR and VR

Once artificial intelligence is added to augmented and virtual reality devices, it could take the technology mainstream.

By Logan Kugler

Posted Aug 22 2025



Link: <https://cacm.acm.org/news/how-ai-could-supercharge-ar-and-vr/>



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

Research Frontiers



Mr. Pakruddin B.
Assistant Professor



Mayur R
Student



Mohammed Mazin Ahmed
Student



Anant Chikmurge
Student



Dasari Varshith Narayana
Student

Pakruddin B, Mayur. R, Dasari Varshith Narayana, Anant Chikmurge and Mohammed Mazin Ahmed have published research paper titled 'Early Brain Stroke Detection using Deep Learning Techniques' in IEEE International Conference on Compute, Control, Network and Photonics (ICCCNP) 2025.

Dr. S. Premkumar, Assistant Professor, School of Information Sciences, published a research paper titled "An Implementation of Enhanced Inception-Residual Convolutional Neural Network in Lung Cancer Prediction" in the Journal of Theoretical and Applied Information Technology.



Dr. S. Prem Kumar
Assistant Professor

Dr. K. Prakash and Dr. M. Sudharsan have successfully published a utility patent titled "System and Method for Deep Learning-Based Thermal Scanning with Crowd Emotion Profiling and Anomaly Detection".



Dr. K. Prakash
Assistant Professor



Dr. M. Sudharsan
Assistant Professor

Ms. Vidyashree S M and Ms. Bindu M C has successfully completed FDP on "Prompt Engineering and Applications of LLMs in Real World Domain" organized by Sathyabama Institute of Science and Technology.



Ms. Bindu M.C.
Assistant Professor



Ms. Vidyashree S.M.
Assistant Professor

Research Frontiers

Ms. Josephine R presented a paper titled "A Lightweight Federated Learning Framework for Resource-Constrained Devices Using Knowledge Distillation in Ambient IoT Environments" at the International Conference on Artificial Intelligence and Networking (ICAIN-2025) held at BITS Pilani, Dubai Campus,



Ms. Josephine. R,
Assistant Professor

Dr. Gopal K. Shyam, Professor and Head of the Department of Computer Science and Engineering, has achieved remarkable academic recognition with over 1800 citations on Google Scholar for his impactful research contributions in Cloud Computing, HPC, and Machine Learning.



Dr. Gopal Krishna Shyam
Professor

Dr. Harishkumar K. S., Assistant Professor–Senior Scale, School of CSE & IS, successfully guided his second Ph.D. scholar, Ms. Shwetha B. N, who defended her thesis titled "A Novel Approach to Predict Electricity Consumption in Residential Areas Using Artificial Intelligence Techniques" on October 9, 2025.



Dr. Harishkumar K. S
Asst Professor - Senior Scale



Ms. Neha Arora
Assistant Professor



Dr. Debasmita Mishra,
Assistant Professor



Ms. Priyanka Niranjana
Assistant Professor



Dr. Srabana Pramanik
Asst Professor - Senior Scale

Prof. Neha Arora, Dr. Debasmita Mishra, Prof. Priyanka Niranjana Savadekar, and Dr. Srabana Pramanik presented a research paper at the International Conference on Artificial Intelligence and Networking (ICAIN-2025), showcasing their contribution to advancing innovation in the field of AI and emerging technologies.

THE INSIGHT EXCHANGE

DR. YOGAMEENA B



INSIDE THE VISIONARY MIND DRIVING AI IN EDUCATION

Dr. B. Yogameena is a distinguished academician and researcher specialized in Computer Vision, Deep Learning, AR/VR, and Artificial Intelligence.



Professor & Head, Department of Educational Media & Technology, NITTTR Chennai

Q

How do you see AI and the Metaverse reshaping higher education and research globally?

AI and the Metaverse are redefining how we teach, learn, and discover.

AI acts as an intelligent mentor — personalizing learning, guiding educators with insights, and enabling researchers to focus on creativity and innovation.

The Metaverse extends this transformation by creating immersive, collaborative spaces where learners can explore and co-create knowledge beyond physical boundaries.

Together, they form an Intelligent Immersive Learning Ecosystem that makes education more adaptive, engaging, and human-centered.

Q

Which areas of academic research benefit most from the convergence of AI and the Metaverse?

This convergence turns laboratories into intelligent digital ecosystems.

- Education: AI avatars adapt teaching styles based on learner behavior and emotions.
- Healthcare: AI-integrated simulators allow safe surgical training and performance analysis.
- Engineering: Virtual twins enable AI-driven optimization for sustainable product design.
- Social Sciences: Immersive environments allow studies on empathy and group behavior.
- Humanities: AI restores and contextualizes heritage sites within virtual spaces, turning research into interactive cultural exploration.

Q

How can AI-driven Metaverse platforms enhance teaching and learning globally?

AI-driven Metaverse platforms are transforming education from information delivery to immersive collaboration. They dissolve geographical barriers, creating shared virtual spaces where students and educators worldwide can co-learn and experiment together. For instance, engineering students from different countries can enter the same virtual lab, guided by AI tutors with real-time translation, to assemble circuits or simulate experiments. AI personalizes feedback and progress tracking, while the Metaverse turns abstract theories into engaging, interactive experiences — making learning more inclusive and globally connected.

INSIDE THE VISIONARY MIND DRIVING AI IN EDUCATION

**Q**

How does AI–Metaverse convergence enable global academic collaboration?

AI–Metaverse convergence transforms global academic collaboration by creating shared virtual campuses and research spaces. Students and researchers from different universities can work together in real time, co-design experiments, and receive AI-driven feedback. In India, such platforms already link institutions like NITTTRs and IITs, setting a model for global partnerships where AI bridges language gaps and the Metaverse fosters presence and teamwork beyond borders. This synergy encourages knowledge exchange, joint innovation, and a truly borderless research culture.

Q

How can the AI-powered Metaverse promote accessibility and inclusivity in education?

The AI-powered Metaverse democratizes learning by making education accessible, personalized, and inclusive for every learner. AI adapts content to each student's pace, language, and learning style, while the Metaverse offers immersive, multisensory experiences that transcend physical, linguistic, or geographical barriers. A rural student can explore a virtual lab through an affordable headset, guided by an AI tutor in their native language, while a visually impaired learner can navigate virtual environments using voice assistance and haptic feedback. Real-time translation and captioning also enable seamless global collaboration, fostering empathy, diversity, and equal opportunity in learning.

Q

What skills and competencies are essential for success in an AI + Metaverse future?

Students need:

1. Digital and Spatial Literacy
2. Design Thinking and Creativity
3. Global Collaboration Skills
4. Ethical AI Awareness

Faculty should focus on:

1. Pedagogical Innovation using immersive methods
2. AI Literacy for adaptive instruction
3. Interdisciplinary Thinking linking technology, design, and ethics

Continuous learning and adaptability will be vital as technology and learning ecosystems evolve. The future belongs to creators who combine technical fluency with creativity and ethical intelligence.

INSIDE THE VISIONARY MIND DRIVING AI IN EDUCATION

**Q**

How can ethical frameworks guide AI–Metaverse development in education?

Ethical frameworks ensure that AI–Metaverse technologies in education remain transparent, fair, and inclusive. They address issues like data privacy, bias, and digital well-being while promoting responsible innovation. Institutions must balance technological advancement with human values through strong digital governance and ethical design. Establishing global standards will build trust and create a safer, more inclusive digital learning ecosystem that supports creativity, accountability, and equitable access for all learners.

Q

What role can policymakers play in shaping an equitable AI–Metaverse ecosystem?

Policymakers are key architects of an equitable AI–Metaverse ecosystem. They must establish clear frameworks for data protection, digital ethics, and intellectual property while ensuring universal access to digital infrastructure. Policies should promote inclusivity by reducing the urban–rural digital divide and supporting underrepresented communities through affordable connectivity and devices. Collaboration between academia, government, and industry can accelerate innovation while maintaining accountability.

Investment in faculty upskilling, curriculum redesign, and digital literacy programs will prepare institutions for responsible adoption. Through such proactive measures, policymakers can transform the Metaverse into a shared, safe, and inclusive digital space for education and research.

Q

How do you envision the future of learning in an AI–Metaverse world?

The future of learning in an AI–Metaverse world will be dynamic, interactive, and deeply personalized. AI will analyze learning patterns to deliver adaptive, data-driven instruction, while the Metaverse will immerse students in realistic simulations and global virtual classrooms. Learners worldwide will collaborate on projects, conduct experiments in shared digital labs, and interact with AI tutors for instant feedback. Education will shift from memorization to experiential learning, blending imagination with intelligence. Teachers will evolve into facilitators and mentors, emphasizing creativity, ethics, and human connection. Ultimately, learning will become a lifelong, borderless experience—driven by innovation and guided by empathy.

INDUSTRY PULSE

DR. RABINDRA SAH



Chief Technology Officer at Indian Register of Shipping

WHERE INDUSTRY EXPERTISE MEETS EDUCATIONAL INNOVATION.

Mr. Rabindra Sah is a visionary technology leader and educator specializing in Artificial Intelligence, Machine Learning, and Digital Learning Transformation.

Q How do you see AI and the Metaverse reshaping higher education and research globally?

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Q How do you perceive the current level of acceptance and awareness of the metaverse within your industry?

The metaverse originates from Extended Reality (XR), which includes AR, VR, and MR—technologies that blend real and virtual environments.

It can be classified as gamified or industrial; the former focuses on entertainment and training, while the latter aids design, production, and customer interaction. In sectors like automotive and aerospace, it supports virtual prototyping and immersive training.

In India, awareness is still developing, but adoption is growing steadily as organizations recognize its potential to enhance collaboration and reduce operational costs.

Q What key factors influence organizations or individuals to adopt metaverse technologies?

The metaverse is creating practical, value-driven use cases across sectors. In manufacturing and automotive industries, companies use virtual factories for design validation and worker training. Healthcare applies immersive simulations for medical education and remote consultations.

Education is evolving with virtual campuses that make learning more engaging and interactive. Even retail and tourism are leveraging virtual experiences for product visualization and customer engagement. By enabling collaboration and data-driven insights, the metaverse is becoming a catalyst for digital transformation across multiple domains.

Q What key factors influence organizations or individuals to adopt metaverse technologies?

The key challenges include limited awareness, high device costs, and user discomfort during prolonged use. Creating metaverse environments requires initial investment and specialized skills, which can discourage early adopters.

Many organizations are unsure how to align the technology with their core objectives, resulting in underutilized pilots. In addition, internet connectivity and hardware limitations remain issues in some regions. However, as devices become lighter, more affordable, and easier to use, these barriers are gradually reducing, opening doors for broader industrial and educational applications.

Q How important are user experience, device affordability, and accessibility in driving metaverse adoption?

They are crucial for widespread adoption. A technology succeeds only when it is easy to use, affordable, and meaningful to the user. Organizations evaluate both cost-effectiveness and long-term value before investing. Improved device affordability, comfort, and seamless experience are essential for sustained engagement.

Accessibility also matters—content and devices must be inclusive and scalable.

A structured roadmap—starting with small, impactful use cases such as safety training or remote collaboration—can help industries adopt the metaverse effectively.



Q What role does training and skill development play in metaverse adoption?

Training and skill development are vital for successful metaverse adoption. They help users, students, and employees understand and adapt to immersive technologies like VR and AR. Industries are using virtual simulations for safety drills, machine handling, and soft-skill enhancement, allowing participants to learn by doing in risk-free environments.

Continuous upskilling programs also build confidence and creativity, preparing the workforce for metaverse-integrated roles.

In education, this approach encourages experiential learning, teamwork, and problem-solving through realistic virtual settings.

Q What are the major challenges industries face in adopting the metaverse?

The biggest challenges include cost, infrastructure, and data security. High-end hardware, stable connectivity, and scalable platforms are essential but expensive.

Many organizations also struggle with limited technical expertise and a lack of standardization across metaverse platforms. Data privacy, cybersecurity, and user authentication remain major concerns, especially when handling sensitive industrial or personal information.

Overcoming these challenges requires collaboration between technology providers, policymakers, and educators to build trust, interoperability, and long-term value in the metaverse ecosystem.

Q How can AI and other emerging technologies enhance metaverse experiences?

AI, IoT, and edge computing make the metaverse more intelligent, personalized, and efficient.

AI powers smart avatars, realistic interactions, and adaptive learning experiences, while IoT connects physical devices to virtual environments for real-time data exchange. Blockchain ensures transparency and ownership of digital assets, and 5G provides the speed and reliability needed for smooth immersive experiences.

Together, these technologies transform the metaverse into a dynamic, data-driven environment that bridges creativity, collaboration, and innovation.

Q How do you see the metaverse evolving in the next few years?

The metaverse will evolve from being an experimental space to a mainstream digital ecosystem. Industries will adopt it for design, remote operations, education, and virtual collaboration. With the integration of AI, blockchain, and lightweight XR devices, experiences will become more accessible and secure.

The focus will shift toward real-world impact—enhancing productivity, sustainability, and inclusivity. As awareness and infrastructure grow, the metaverse will reshape how people learn, work, and connect globally.

 **Insights by:**

Mr. Rabindra Nath Shah
Chief Technology Officer
Indian Register of Shipping

Bridging Innovation and Cultivation: AI & Metaverse in Agriculture



A thought-provoking Group Discussion on the theme "Implementing AI and Metaverse in Agriculture" was held on October 23, 2025. The session brought together eminent panelists who shared insightful perspectives on harnessing cutting-edge technologies to revolutionize modern farming practices.

The discussion was organised as part of the "Innovation Meets Agriculture" event during the Chip to Crop – 24 Hours AgriTech Hackathon, hosted by Presidency University in collaboration with the Indian Institute of Horticultural Research (IIHR). The panel explored real-world applications of Artificial Intelligence (AI), Internet of Things (IoT), and Metaverse technologies in enhancing agricultural productivity, promoting sustainability, and enabling data-driven decision-making.

This engaging session inspired participants to envision a future where technology and agriculture converge to build smarter, more efficient, and sustainable farming ecosystems. The event served as a testament to the power of innovation in transforming traditional agricultural methods into intelligent, future-ready solutions.

DEPT NEWS

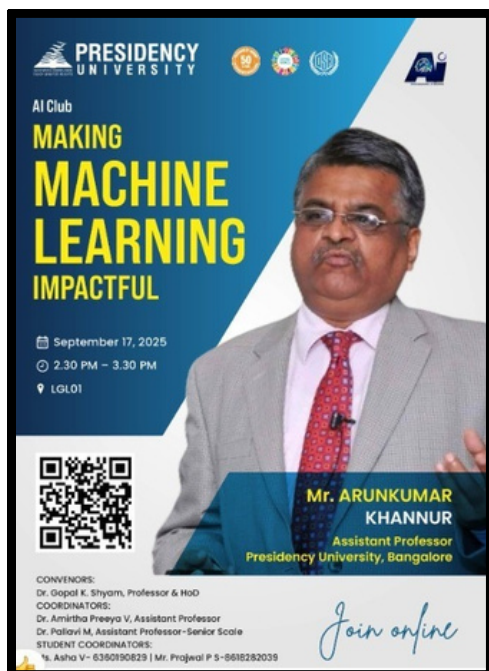
● M.Tech/MCA

● B.Tech

● BCA

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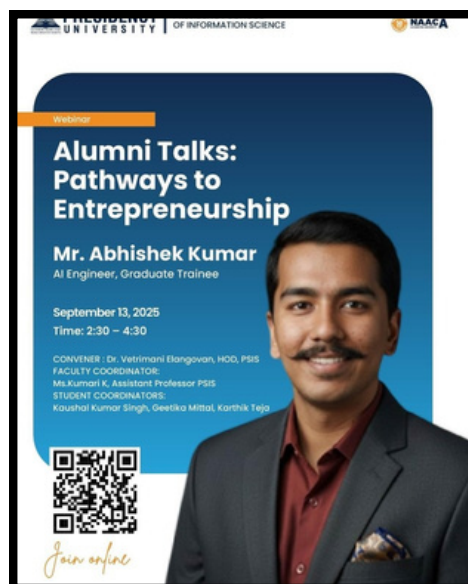
Making Machine Learning Impactful



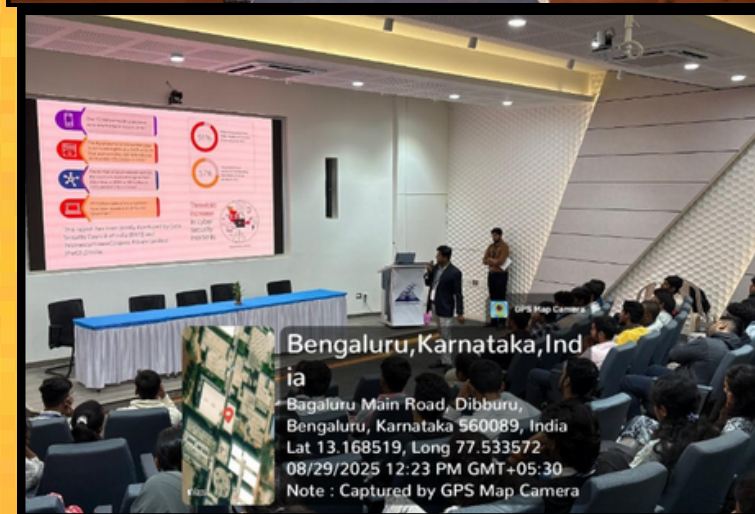
The AI Club organized an insightful session on "Making Machine Learning Impactful" on 17th September 2025 at Presidency University. The event aimed to bridge the gap between theoretical knowledge and real-world applications of Machine Learning. Resource Person Mr. Arunkumar M. Khannur, Assistant Professor, delivered an engaging talk highlighting how ML can drive innovation across domains like healthcare, finance, and smart systems. Students gained valuable insights into designing efficient and responsible ML models that create meaningful societal impact. The session received enthusiastic participation and positive feedback from attendees. The event was convened by Dr. Gopal K. Shayam, Professor & Head, SCSE, and coordinated by Dr. Pallavi M., Assistant Professor–SG, and Dr. Amirtha Preeya V., Assistant Professor, SCSE.

Alumni Talks: Pathways to Entrepreneurship

The School of Information Science organized an inspiring webinar on "Alumni Talks: Pathways to Entrepreneurship" on 13th September 2025. The session featured Mr. Abhishek Kumar, AI Engineer and Graduate Trainee at Presidency University, who shared his entrepreneurial journey and valuable insights on innovation and startup development. The event encouraged students to explore entrepreneurship as a viable career path and understand the role of AI and technology in shaping modern ventures. It was coordinated by Ms. Kumari K., Assistant Professor, along with student coordinators Kaushal Kumar Singh, Geetika Mittal, and Karthik Teja. The session received excellent feedback for its motivational and practical approach to fostering innovation and leadership among students.



NEXOIMATE'25: The Next Wave of Innovation



PRESIDENCY UNIVERSITY
 Presidency School of Computer Science and Engineering
 and Harvest Club,
 Presidency University Bengaluru INDIA.

NEXOIMATE'25
 THE NEXT WAVE OF INNOVATION

A dynamic 24-hour hackathon designed to empower students to solve real-world problems with cutting-edge ideas.

Venue - Presidency University, Bengaluru, Karnataka
Timings- 29th Aug(9:30 AM) – 30th Aug(4:00 PM), 2025

HACKATHON TRACKS

- EcoUrban
- Fortify
- Tech4Good
- CodeCure
- CodeCanvas

WHY PARTICIPATE ?

- Exciting PrizePool Upto - **UP TO ₹100,000 PRIZE POOL**
- Certification & Recognition
- Networking with Industry Experts
- Launchpad for Startups
- Aligned with UN SDGs 3, 4, 6, 8, 9, 11, 17

IMPORTANT NOTE

- Only the Top 25 Teams will be selected for the Offline Hackathon Round.
- Registration Fee of ₹ 800 is Required for shortlisted teams.

Scan for Registration

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 Dr. N. Duralpandian - Dean - School of Computer Science & Engineering & Information Science

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 Dr. R. Mahalakshmi - Professor & Associate Dean - School of Information Science

Convener

Dr. Zafar Ali Khan N

Faculty Coordinators

Ms. Josephine R - Asst. Professor

Student Coordinators

Navaneeth A D - President (8762179545)



National Level
Hackathon

Cybersecurity Seminar at Toyota Kirloskar Motors

The School of Computer Science & Engineering, Presidency University, in collaboration with Toyota Kirloskar Motors (TKM), organized an insightful Cybersecurity Seminar on October 13, 2025, at TKM, Bengaluru. The event aimed to bridge academia and industry by exploring cybersecurity principles, emerging digital threats, and defense technologies.

Expert sessions were delivered by Dr. G. Shanmugarathinam, Dr. L. Shakeera, Dr. S. Poornima, and Dr. Pravinth Raja, covering topics such as cloud security, malware analysis, and AI-driven threat detection. Participants appreciated the hands-on insights and real-world examples that enhanced their understanding of advanced cybersecurity frameworks. The seminar emphasized the growing role of AI and machine learning in digital defense and highlighted the importance of industry-academic collaboration in tackling modern security challenges.



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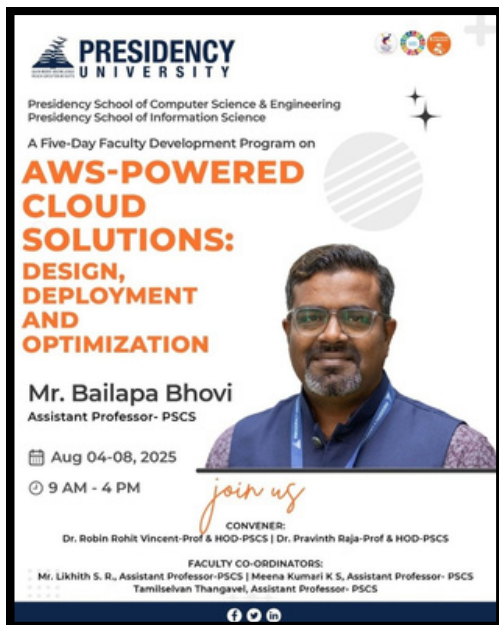
● B.Tech

● BCA

● B.Sc.

FDP on AWS-Powered Cloud Solutions: Design, Deployment and Optimization

The Presidency School of Computer Science & Engineering, in association with the School of Information Science, organized a five-day Faculty Development Program on "AWS-Powered Cloud Solutions: Design, Deployment and Optimization" from August 4th to 8th, 2025. The sessions were conducted by Mr. Bailapa Bhovi, Assistant Professor, PSCS, who provided valuable insights into cloud architecture, deployment strategies, and performance optimization using AWS services. The program offered faculty members a hands-on learning experience to enhance their cloud computing skills and explore emerging technologies. The FDP was convened by Dr. Robin Rohit Vincent and Dr. Pravin Raja, with coordination support from Mr. Likhith S. R., Ms. Meena Kumari K. S., and Mr. Tamilselvan Thangavel.



Cloud Transformation in Oracle Human Capital Management System



The Presidency School of Computer Science & Engineering organized a seminar on "Cloud Transformation in Oracle Human Capital Management (HCM) System" on September 11, 2025, for PSCS students. The session was led by Mr. Dinesh Nayaka, Senior HCM Consultant-Cloud Payroll at Accenture, Bangalore, who shared his 15 years of expertise in HRMS and cloud technologies. The seminar focused on the shift from traditional HR systems to Oracle HCM Cloud, emphasizing scalability, automation, and real-time analytics. Through case studies and practical insights, participants learned about the benefits and challenges of cloud adoption in HR transformation. The event concluded with an engaging Q&A session, enriching students' understanding of digital HR systems.

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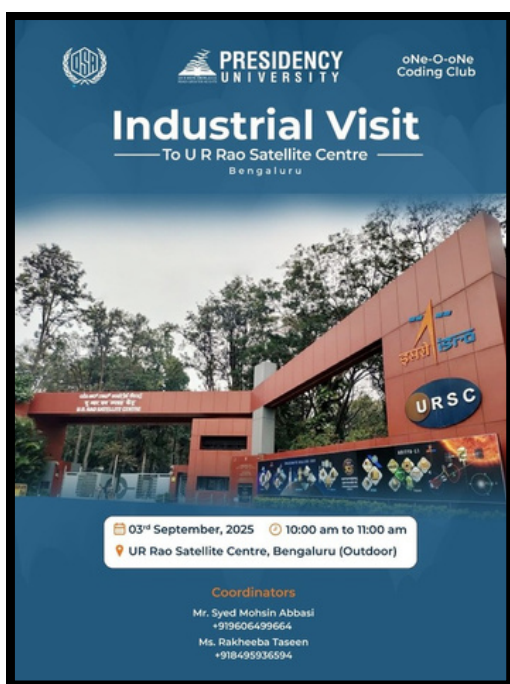
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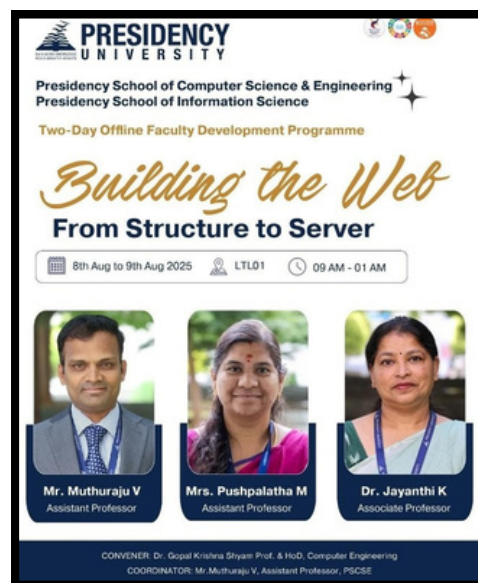
● B.Sc.

Industrial Visit to U R Rao Satellite Centre (URSC), ISRO

The School of Information Science organized an industrial visit to U R Rao Satellite Centre (URSC), ISRO on 3rd September 2025. The visit provided students with an enriching opportunity to explore ISRO's state-of-the-art facilities and understand the processes behind satellite design, development, and testing. Students gained valuable insights into India's landmark space missions such as Chandrayaan and Mangalyaan. The interactive session with ISRO experts deepened their understanding of real-world aerospace applications and inspired them toward careers in space technology. The visit was coordinated by Mr. Syed Mohsin Abbasi and Ms. Rakhee Taseen.



FDP on Building the Web: From Structure to Server



The School of Computer Science and Engineering and Information Science organized a Faculty Development Program on "Building the Web: From Structure to Server" from 8th to 9th August 2025. Resource persons Mr. Muthuraju V, Ms. Pushpalatha M, and Dr. Jayanthi K provided hands-on training on HTML, CSS, and PHP. The FDP enhanced faculty skills in developing dynamic web applications and bridging theory with practice. Participants appreciated the interactive sessions and found the program highly beneficial for effective teaching and mentoring. The event successfully strengthened the participants' technical expertise and promoted outcome-based learning.

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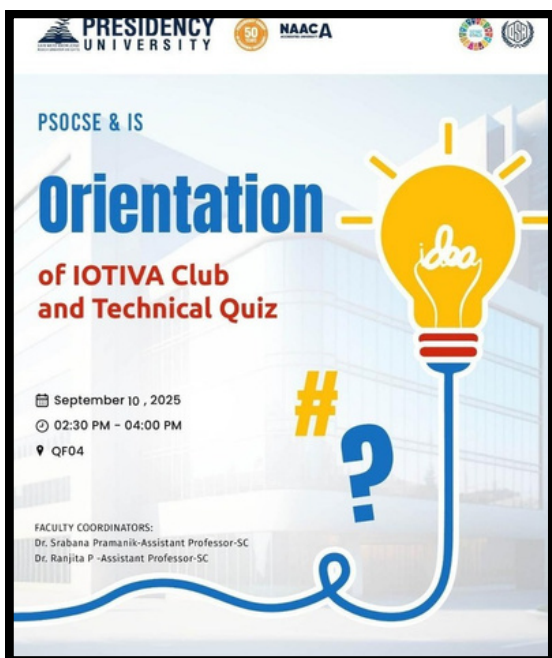
● B.Tech

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Orientation and Tech Quiz – IOTIVA Club

The Presidency School of Computer Science & Engineering organized an Orientation and Tech Quiz under the IOTIVA Club on September 10, 2025. The event aimed to introduce students to the club's objectives and foster enthusiasm for emerging technologies like IoT and Data Science. Faculty coordinators Dr. Srabana Pramanik and Dr. Ranjitha P guided the session, while Mr. Kushal K. Pradhan and Mr. Kollu Phani Sai Ganesh were announced as the President and Secretary, respectively. Around 20 students actively participated in the interactive quiz, testing their technical knowledge and problem-solving skills. The event successfully inspired students to explore innovation and teamwork through the IOTIVA platform.



Bridging Academia and Industry: MCA Mock Interview 2025



The School of Information Science organized an MCA Mock Interview on September 13, 2025, for final-year MCA students to prepare them for real-world placement scenarios. The event featured three rounds – Aptitude Test, Group Discussion, and Technical Interview – assessing students on analytical thinking, communication, and technical proficiency. The interviews were conducted by Ms. Kavya S, Junior Software Tester at UDM Global Solutions, who provided valuable feedback and industry insights. Coordinated by Dr. Renuka Devi M, Ms. Anjana D, and Dr. Sivabalaselvamani, the session received positive feedback for its practical approach and professional organization. The event proved instrumental in boosting students' confidence and readiness for campus placements.

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Sketch2Site: AI-Powered Web Design Contest

The Omega Coding Club of the Presidency School of Computer Science & Engineering organized Sketch2Site: AI-Powered Web Design Contest on September 10, 2025, at LTL03. The event encouraged students to merge creativity with technology by converting hand-drawn sketches into AI-generated web designs. Guided by Dr. Blessed Prince, along with faculty coordinators Ms. A. Rohini and Dr. Serin V. Simpson, the contest saw enthusiastic participation from 12 students. The event showcased innovative applications of AI in web development, promoting digital creativity and hands-on learning. Participants appreciated the opportunity to explore design automation and were inspired to integrate AI into future projects.



Webinar on Shaping Futures: Placement Insights by Our Alumni



The School of Information Science organized an insightful webinar titled "Shaping Futures: Placement Insights by Our Alumni" on August 23, 2025, for pre-final and final-year students. The session was conducted by Mr. Manoj Kumar K, an alumnus placed at TCS, who shared valuable guidance on resume building, aptitude preparation, and interview strategies. The event aimed to bridge the gap between academic learning and industry expectations, motivating students to prepare effectively for campus placements. Coordinated by Ms. Kumari K and Ms. Bindhu M. C, the session encouraged interactive discussions and mentorship. The webinar received excellent feedback for its practicality, engagement, and motivational impact on aspiring graduates.

DEPT NEWS

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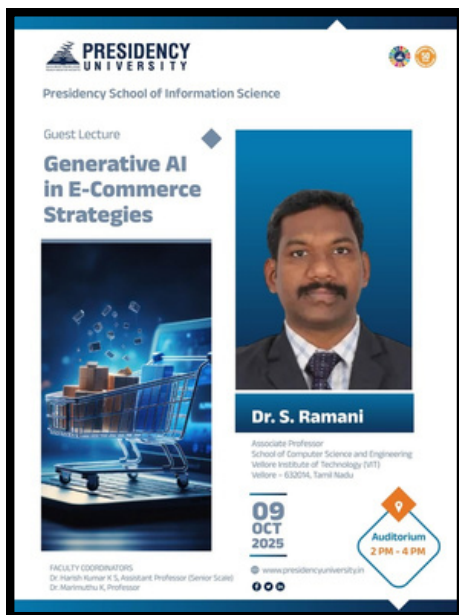
● B.Tech

● BCA

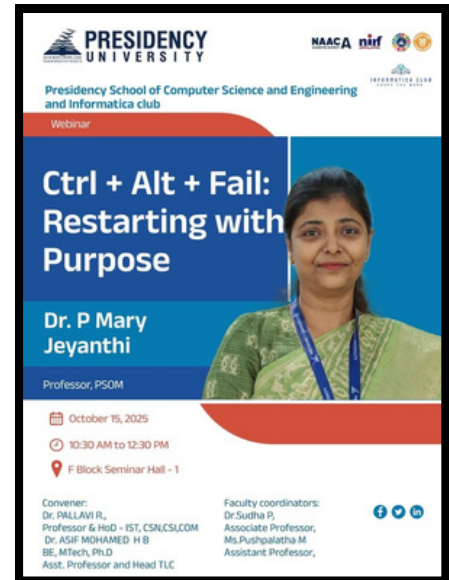
● B.Sc.

Guest Lecture on Generative AI in E-Commerce Strategies

The Presidency School of Information Science organized an engaging guest lecture on "Generative AI in E-Commerce Strategies" on October 9, 2025, for the 1st and 3rd-semester students. The session was delivered by Dr. S. Ramani, Associate Professor at VIT, Vellore, who shared deep insights into the role of AI in automating and personalizing online commerce. He discussed real-world applications like virtual try-ons, conversational AI, and intelligent recommendation systems. The session highlighted the importance of ethical AI, data privacy, and innovation in digital business ecosystems. Coordinated by Dr. Harish Kumar K. S. and Dr. Marimuthu K., the lecture proved to be an inspiring learning experience, bridging academic knowledge with industry trends.



Ctrl+Alt+Fail: Restarting with a Purpose



The Informatica Club of the Presidency School of Computer Science (PSCS) organized an inspiring event titled "Ctrl+Alt+Fail: Restarting with a Purpose." The session focused on redefining failure as a vital part of the journey toward innovation and personal growth. Through engaging discussions and interactive activities, students learned how setbacks can ignite stronger comebacks and renewed determination. Dr. P. Mary Jeyanthi served as the resource person, sharing insightful perspectives that motivated students to face challenges with confidence. The event was coordinated by Ms. Pushpalatha Muthusamy and Dr. Sudha P, whose efforts contributed to its resounding success.

DEPT NEWS

● M.Tech/MCA

● B.Tech

● BCA

● B.Sc.

Global Lecture Series on Privacy-Preserving AI and Secure Federated Learning

The School of Computer Science & Engineering, through the Informatica Club, organized an enlightening Global Lecture Series on "Privacy-Preserving AI and Secure Federated Learning." The session featured distinguished international experts who shared valuable insights on ethical AI practices, secure data sharing, and advanced federated learning frameworks. This event provided students and faculty with a deeper understanding of emerging technologies shaping the future of artificial intelligence. The lecture series was skillfully coordinated by Dr. Praveena K. N., Ms. Poomima Anandaraj, and Dr. Pallavi M., whose efforts ensured its success at Presidency University, Bengaluru.

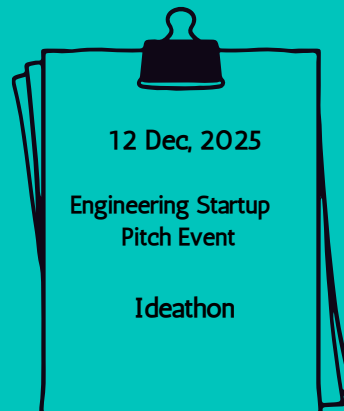
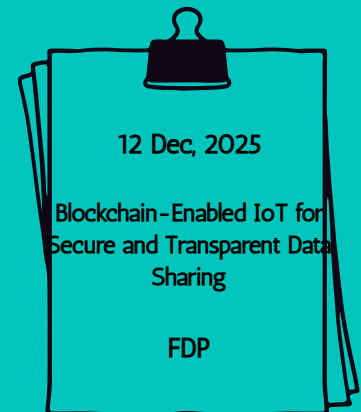
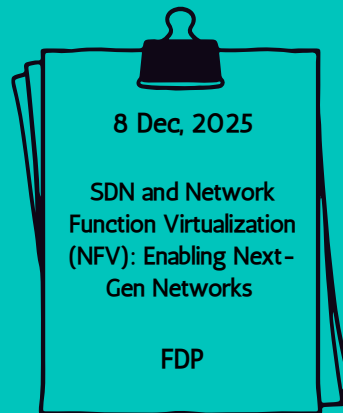
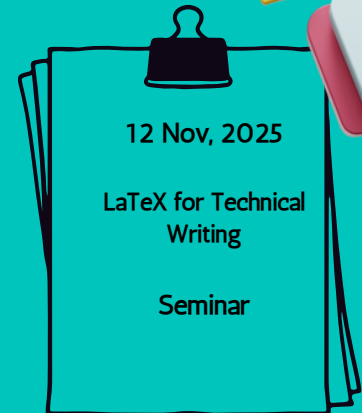
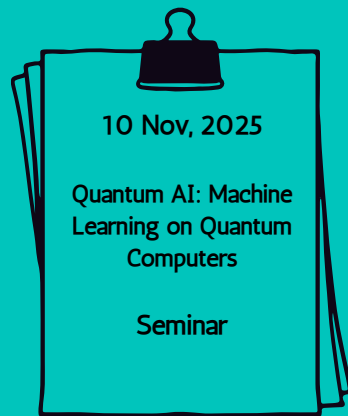


Turning Ideas into Impact: A Student's Journey from Project to Publication.

The School of Computer Science and Engineering, through the Harvest Club, organized an insightful webinar on "Turning Ideas into Impact: A Student's Journey from Project to Publication." The session featured expert speakers Ms. Suma N G and Dr. Pakruddin B, who shared practical insights on transforming innovative ideas into impactful research projects and academic publications.

The event guided students through key stages of the research journey, from problem identification and literature review to methodology design and publication. The session was skillfully coordinated by Ms. Josephine R and Ms. Shana Annevam, ensuring its successful execution at Presidency University, Bengaluru.

UPCOMING EVENTS





UNWIND ZONE

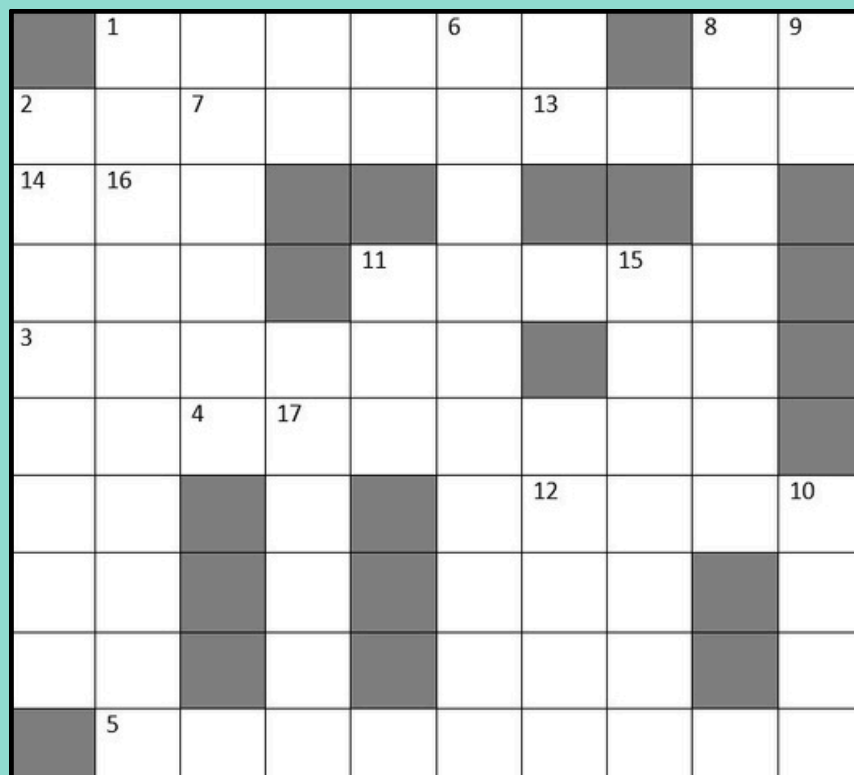
ACROSS:

1. Inspired by the brain, often used in AI to model intelligence. (6)
2. A representation or system that makes predictions or decisions. (5)
3. The process of teaching an AI model using data. (5)
4. Sound input or output, often used in VR or AI assistants. (5)
5. The AI process of making predictions from learned knowledge. (9)
11. Automated program that can interact or perform tasks. (3)
13. The person interacting with an AI system or VR environment. (4)

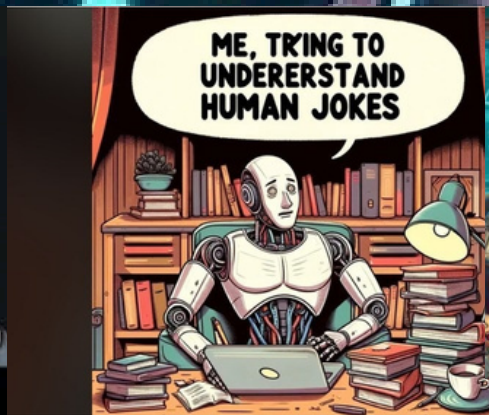
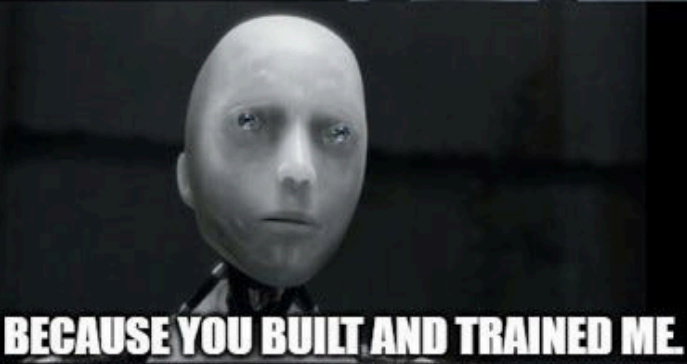
DOWN:

6. Step-by-step instructions for solving a problem. (10)
7. Raw facts or information that AI processes. (4)
8. Wearable device used to experience virtual reality. (7)
9. Technology that immerses users in a simulated environment. (2)
10. Interactive digital experience, often in VR. (4)
12. Instructions written by programmers to build AI or VR systems. (4)
14. Collection of structured information used to train AI models. (7)
15. The simulated landscape in VR games or environments. (7)
16. Something simulated, not physically real. (7)
17. A modular component in neural networks or VR systems. (4)

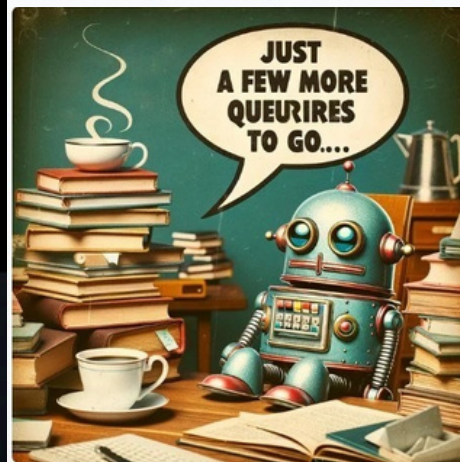
AI x METAVERSE GAME



Deep Memeing : Ctrl + Alt + Delirious



ended I creating something hysterical and introspective



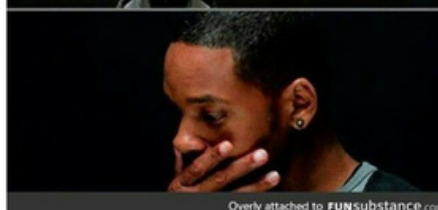
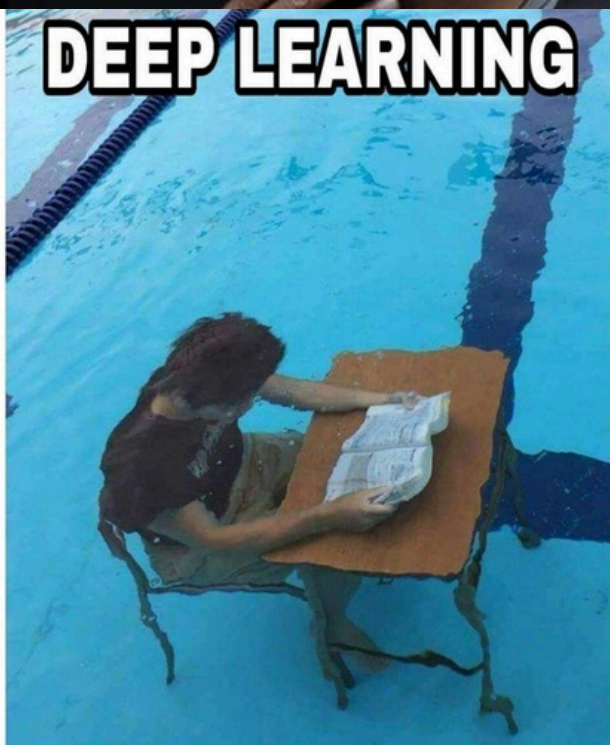
This is what I got



Mom: Don't sit too close to the TV. It's bad for your eyes



20 years later





ALVIN W. GRAYLIN & LOUIS ROSENBERG

With a Foreword by Neal Stephenson,
Bestselling author of *Snow Crash*

OUR NEXT REALITY

How the AI-powered Metaverse
Will Reshape the World

"Finally, AI has the potential to transform VR and AR, making it essential across all human endeavors. This book brings clarity to why this really matters."

Peter H. Diamandis,
bestselling author of
*The Future is Faster
Than You Think*

Book Review

Our Next Reality

Book Review: Our Next Reality: How the AI-Powered Metaverse Will Reshape the World

Author: Alvin Wang Graylin, Louis Rosenberg, Neal Stephenson

Genre: Technology / Beginner-Friendly Guide

Rating: ★★★★★ (4.5/5)

In today's rapidly evolving digital landscape, *Our Next Reality* offers an engaging and accessible exploration of how Artificial Intelligence and the Metaverse are converging to reshape the way we live, learn, and connect. Alvin Wang Graylin and Louis Rosenberg—pioneers in extended and virtual reality—present a visionary yet practical perspective on these transformative technologies. Using clear language and vivid examples, the authors explain how AI-driven immersive environments could influence industries, education, and human interaction. The book thoughtfully balances excitement about innovation with a critical look at its ethical and societal implications.

★ Why Read It?

- Understand how AI and the Metaverse will redefine everyday experiences
- Explore real-world applications across education, healthcare, and entertainment
- Gain awareness of ethical challenges and the need for responsible innovation

✓ Strengths

- Beginner-friendly and engaging writing style
- Blends futuristic insights with social and ethical awareness
- Real-world examples make complex ideas easy to grasp

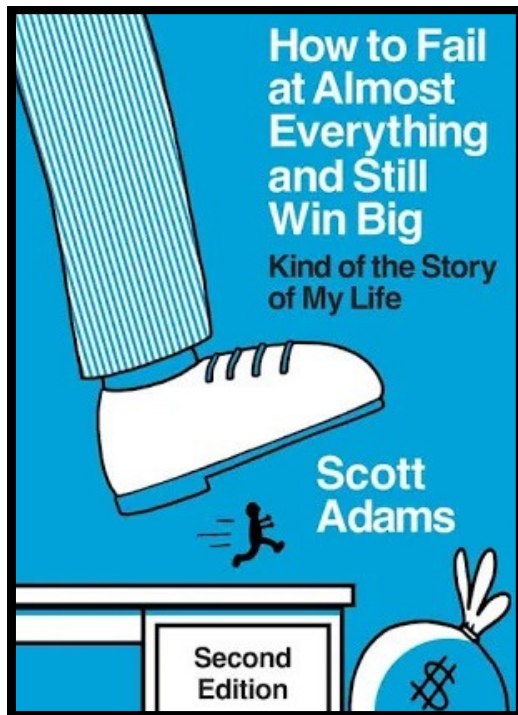
⚠ Criticism & Limitations

- May feel introductory for readers seeking deep technical content
- Focuses more on concepts and vision than on implementation details

★ Final Verdict

A visionary and accessible guide to the AI-powered Metaverse. Perfect for students, educators, and technology enthusiasts eager to understand how today's innovations are shaping tomorrow's intelligent world. While experts may desire more technical depth, Graylin and Rosenberg succeed in making a complex future both understandable and inspiring.

Warm Regards,
The Editorial Board



In this witty and insightful book, Scott Adams the creator of Dilbert shares unconventional lessons on success drawn from his own failures. Rather than focusing on luck or passion, Adams highlights the power of systems, energy management, and skill stacking to create long-term success. His storytelling, humour, and honesty make this book both entertaining and practical for readers from any background.

Why Read It?

- To understand how to turn repeated failures into learning tools.
- To rethink success using systems rather than rigid goals.
- To gain motivation and mental flexibility ideal for students and professionals alike.

HOW TO FAIL AT ALMOST EVERYTHING AND STILL WIN BIG

BOOK REVIEW: HOW TO FAIL AT ALMOST EVERYTHING AND STILL WIN BIG

AUTHOR: SCOTT ADAMS

GENRE: MOTIVATION / PERSONAL DEVELOPMENT

RATING: ★★★★★☆ (4/5)

✓ Strengths

- Engaging and humorous writing style that keeps readers hooked
- Promotes realistic, system-based thinking over goal obsession
- Inspires resilience and adaptability through personal anecdotes

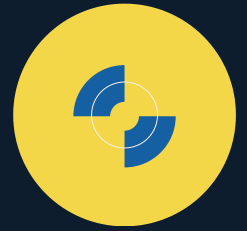
⚠ Criticism & Limitations

- Lacks academic or research-based evidence for some ideas.
- May feel overly casual for readers seeking structured self-help.
- Focuses more on mindset than actionable step-by-step guidance.

★ Final Verdict

Scott Adams offers a refreshing take on success through humor and authenticity. *How to Fail at Almost Everything and Still Win Big* is an inspiring read for anyone who's stumbled, struggled, and still hopes to "win big." A must-read for engineering students who want a dose of realism mixed with optimism.

THE WRAP UP



As we bring this edition of The Communique to a close, we reflect on the transformative convergence of Artificial Intelligence and the Metaverse—a union that is redefining how we live, learn, and collaborate. By combining intelligence with immersion, this synergy is unlocking a new era of digital experiences that are adaptive, personalized, and profoundly human-centered.

Key Takeaways from This Edition

- Immersive Intelligence – The infusion of AI into the Metaverse enables responsive, evolving environments that learn from interactions and deliver deeply engaging experiences.
- Reimagined Learning & Workspaces – Virtual campuses, intelligent classrooms, and AI-driven collaboration platforms are breaking geographical barriers, fostering borderless education and innovation.
- Human-Digital Synergy – The AI-powered Metaverse amplifies creativity, empathy, and inclusivity—placing the human experience at the heart of every technological advance.
- Ethics & Responsibility – As intelligent virtual ecosystems grow, ethical governance, privacy, and digital well-being must guide their evolution to ensure trust and accountability.
- Sustainable Innovation – Virtual experimentation and AI-driven optimization are enabling industries to minimize waste, conserve resources, and design for a more sustainable future.
- Global Connectivity – The Metaverse empowers global collaboration—linking learners, researchers, and innovators across borders to solve challenges collectively and creatively.



Final Thoughts

The fusion of Artificial Intelligence and the Metaverse is more than a technological revolution—it represents a bold reimagination of reality itself. Together, they blur the lines between the physical and digital, opening infinite opportunities to design intelligent worlds that think, feel, and evolve alongside us. This synergy has the power to transform how we learn, collaborate, and create—shaping experiences that are not only smarter but also more compassionate, inclusive, and sustainable.

“The future won’t just be experienced—it will be intelligently imagined and co-created.”

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.
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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.
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Mission of Presidency School of Information Science

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

PROGRAM SPECIFIC OUTCOMES (PSOs) FOR BCA

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

THE COMMUNIQUE

VOLUME 2 | ISSUE 1

