

### *From the Desk of the Editor-in-Chief*

The October 2025 issue of *Vantage*, curated by our guest editors Shikha Badhani and Jyotsna Talreja Wassan, brings together technology, philosophy, and human experience. This volume examines the evolving relationship between Artificial Intelligence (AI) and human intellect through reviews, invited reflections, and original research—an amalgamation that continues to shape academic and ethical landscapes. This idea is brilliantly portrayed on the cover page of the October 2025 issue designed by Nikita Pal and Jyotsna Talreja Wassan.

The editorial by Shobha Bagai sets the tone of this issue by reflecting on how AI is transforming educational spaces and highlights the need for responsible and ethical integration of technology in teaching.

The editorial by our guest editors Shikha Badhani and Jyotsna Talreja Wassan, discusses the genesis of the current issue of *Vantage*. In this insightful article, they reflect on why it is important to understand the intention behind the creation of AI, rather than just dwell on its benefits and pitfalls.

The invited article by Subhash Kak asserts that the varied phenomena in nature, science, culture, and cognition are often organized optimally in triads (Trikon). This article takes a reader through a journey across disciplines—from atomic to societal to geopolitical levels—traversing down to a universal process that links minds, machines, and the organization of reality. Rajan Gupta and Saibal K. Pal, through their invited article, highlight the unique challenges, solution architectures, and enterprise case studies related to Machine Unlearning across large-scale organizational environments.

Mechanization has touched every aspect of our lives, at times providing solutions to emerging problems, at others, itself being the root cause of maladies. The review and original research articles in this issue delve into these contrasting aspects.

Surbhi Rani has reviewed the use of emerging AI techniques, and her article reveals how AI techniques are being used to detect patterns in genomic and clinical data for effective identification of biomarkers. The original research article by Meenakshi Jonwal explores a photogalvanic system designed to enhance solar energy conversion and storage efficiency, whereas Nikita Audichya and her group, in their article highlights the use of technology to enhance public services and municipal management in the context of India's rapid urbanization. On the other hand, the article by Shweta Kumari examines how virtual reality and digital consciousness change the way we think about who we are, how free we are, and what is morally right.

The October 2025 issue of *Vantage* also includes two insightful book reviews. Avatans Kumar reviews the book “*The Age of Artificial Intelligence*” and emphasizes AI's ability to reshape human society, culture, and freedom as being the most significant aspect. Another interesting read is the book review by Bhumika Papnai. Bhumika reviews the book “*Introduction to Machine Learning*”.

In essence, all studies in this issue echo the interaction between minds and machines, reflecting how their intersection continues to redefine learning, discovery, and the future of human progress. Technology, in all its manifestations, is not an isolated phenomenon but a mirror of human thought—an extension of our creativity, curiosity, and capacity for problem-solving. The true measure of advancement will not lie in how intelligent machines become, but in how wisely we, humans, choose to use them. This important theme will be taken forward in our April 2026 issue. We invite you to submit your original research articles, reviews, perspectives, and book reviews for the upcoming issue wherein we would continue exploring this theme from varied vantage points.

**Prof. Haritma Chopra**