

TechnoLeadership

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AI-DRIVEN CYBERSECURITY AND DIGITAL TRANSFORMATION LEADERSHIP IN HIGHER EDUCATION AND INDUSTRY

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AI empowers cybersecurity solutions



Education shapes technological leaders



Mentorship drives future innovators



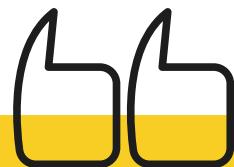


Exploring Prof. Mohit Tiwari

Early Foundations: The Spark of Curiosity

Prof. Tiwari's fascination with learning began in his school years, where his academic excellence in Class X and XII laid a strong foundation for a future defined by intellectual rigor. It was during these formative years that his love for mathematics, logic, and structured problem-solving began to crystallize—traits that would later define his professional ethos.

He was part of a generation that witnessed India's rapid educational and technological awakening. His early experiences with problem-solving and curiosity for the digital world set the stage for a lifelong pursuit of knowledge.



Prof. Mohit Tiwari's academic journey is a compelling story of persistence, evolution, and vision. From his early fascination with solving problems to becoming a recognized name in research and teaching, his path reflects the dynamism of India's technological transformation. His story is not just about professional milestones but also about an unwavering belief that education can change lives.

Engineering Foundation; The Beginning of a Vision

In 1998, Prof. Mohit Tiwari completed his Bachelor of Technology in Computer Science & Engineering—a period when India was at the brink of an IT revolution. The late 1990s were transformative years: the internet was emerging as a necessity, and computer engineering had become a beacon of opportunity for ambitious minds.

During his undergraduate journey, Prof. Tiwari not only mastered technical fundamentals—programming, operating systems, and computer architecture—but also developed adaptability and foresight. Engineering, for him, was not merely a degree but an entry point into a movement that would redefine industries and lifestyles.

This phase shaped his identity as both a technologist and a thinker who saw technology as a means to societal transformation.



Stepping into the Digital Era

B.Tech. 1998

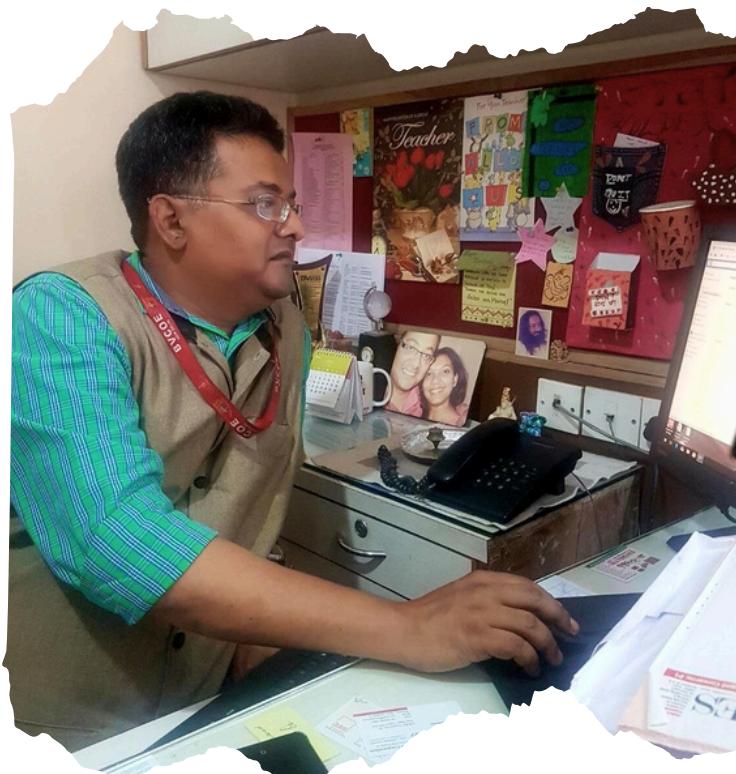
Adapting to Change: The Late 1990s Revolution

As the internet grew from novelty to necessity, Prof. Tiwari's exposure to emerging technologies deepened his conviction that digital systems would become central to modern civilization. The engineering classrooms of the 1990s became his training ground for innovation, where he learned that the real challenge was not just to master machines but to anticipate change.

—THE NEXT CHAPTER – MBA IN OPERATIONS RESEARCH (2010)—

More than a decade after his engineering degree, Prof. Tiwari chose to expand his academic landscape through an MBA in Operations Research in 2010. This was not a departure from his technical roots but rather a strategic broadening of his intellectual toolkit.

The MBA equipped him with a deeper understanding of decision-making, quantitative modeling, and organizational dynamics. It allowed him to bridge the worlds of engineering precision and managerial pragmatism. By integrating analytics with management, he began to see technology not just as code but as a catalyst for business transformation.



Engineering Meets Management – A Dual Strength

This combination of engineering and management provided Prof. Tiwari with a rare duality: technical expertise and strategic vision. He could navigate complex systems while understanding the human, financial, and organizational dimensions that drive them. This interdisciplinary strength would become the cornerstone of his teaching and research philosophy in the years ahead.

TEACHING CAREER – THE CLASSROOM AS A LABORATORY OF IDEAS

As an Assistant Professor at Bharati Vidyapeeth's College of Engineering, New Delhi, Prof. Tiwari has made teaching not just a profession but a calling. His classroom is a place of intellectual engagement, where complex concepts meet real-world applications.



His teaching repertoire is wide and diverse:

- Economics for Engineers
- Cloud Computing
- Cyber Security
- Business Analytics
- Innovation Management

What distinguishes his teaching is his emphasis on contextual relevance. He enriches his lectures with Indian case studies, local industry insights, and examples drawn from his own research and professional experiences. His aim is to ensure that students not only learn but understand how their learning connects with society.

Pedagogy of Engagement

In an age of distractions, Prof. Tiwari's teaching style emphasizes clarity, critical thinking, and connection. He is known for balancing academic rigor with approachability—making complex ideas accessible while encouraging inquiry. His lectures inspire students to think beyond exams, motivating them to explore technology as a force for innovation and change.



RESEARCH, MENTORSHIP, AND RECOGNITION – A SCHOLAR’S PURSUIT OF INNOVATION, LEADERSHIP, AND PROFESSIONAL EXCELLENCE.

Expanding the Frontiers of Knowledge

Research forms the backbone of Prof. Mohit Tiwari's academic identity. With over 300 publications spanning national and international journals, conferences, and book chapters, his scholarly contributions encompass a vast array of topics—Cybersecurity, Artificial Intelligence, Cloud Computing, Business Analytics, and Innovation Management.

Depth and Diversity in Research

Each paper represents more than an academic exercise—it's a reflection of inquiry and intellectual curiosity. His studies address pressing technological challenges while maintaining an emphasis on applicability and impact. His work bridges theory and practice, offering insights valuable to both academia and industry.

Innovation Beyond Papers

Beyond traditional publications, Prof. Tiwari has contributed to patents and copyrights, emphasizing his belief that research should lead to innovation. His recognition by reputed organizations such as IEEE and ACM through reviewer and editorial awards attests to his scholarly integrity and international standing. He continues to serve on editorial boards, mentor researchers, and review global publications—playing a pivotal role in advancing academic dialogue and research quality.



Nurturing Minds Beyond the Classroom

For Prof. Tiwari, mentorship is as vital as teaching. He invests deeply in guiding students through research projects and innovation initiatives that blend theoretical understanding with practical execution. He has supervised numerous projects on cybersecurity architectures, business analytics dashboards, and AI-driven decision systems. Under his mentorship, students have presented papers at national and international platforms, won hackathons, and even launched entrepreneurial ventures.



Building an Innovation Culture

Prof. Tiwari actively participates in Innovation and Incubation Cells, encouraging young innovators to translate ideas into impactful ventures. He believes that true education lies in creation—not memorization—and continues to build frameworks where curiosity leads to invention. His mentorship extends beyond academics to life guidance, helping students develop confidence, leadership, and ethical values essential for professional success.





THANK
YOU!

Prof. Mohit Tiwari, Assistant Professor at Bharati Vidyapeeth's College of Engineering, New Delhi, has built a distinguished career blending technical expertise, managerial insight, and research innovation. Beginning with a B.Tech in Computer Science & Engineering in 1998 and later an MBA in Operations Research, he has contributed extensively to AI, cybersecurity, cloud computing, and business analytics. With over 300 publications, patents, and active mentorship, he guides students from ideas to execution. Recognized nationally and internationally, Prof. Tiwari's philosophy emphasizes education that creates real-world impact, shaping future innovators and advancing technological and societal progress.

