

Introduction

The Gen AI for a Smarter Tomorrow conference, brought together leading AI experts, researchers and policymakers to discuss the transformative role of Generative AI in governance, public safety, education and economic development. The conference highlighted Pakistan's journey toward AI-driven innovation, addressing challenges and opportunities in AI adoption across various sectors.

Key Highlights

- Mustansar Feroze, Chief Operating Officer, PSCA, warmly welcomed all participants to this informative and interactive session, emphasizing PSCA's commitment to continuous learning and innovation. He stated that PSCA is in a learning mode, eager to gain insights from distinguished guests and incorporate their expertise into its operations. He further underscored the critical role of AI in shaping the future of public services, governance and security, reaffirming PSCA's dedication to leveraging AI for enhanced policing, crime prevention and citizen engagement. He emphasized how Generative AI, predictive analytics and machine learning are redefining public safety and driving smart city initiatives across Pakistan.
- Faisal Ameer Malik presented a futuristic vision of AI, nanotechnology and biotechnology, emphasizing their transformative impact on humanity. He introduced Dr. Michio Kaku's concept of Brain Net, where memories, emotions, and sensations could be transmitted digitally. His predictions for the future included the rise of autonomous vehicles, human-like artificial organs, Mars colonization, and memory uploading. He also discussed the shift from a \$12.9 trillion digital economy in 2017 to a projected \$23 trillion intelligent economy by 2025, stressing that AI, IoT, cloud computing and big data will drive this transformation.
- Sajjad Kirmani provided a comprehensive analysis of Pakistan's AI growth trajectory, comparing Pakistan's missed opportunities in the Y2K boom to India's \$200 billion IT sector development. He outlined a national AI strategy focused on policy reforms, talent development, innovation ecosystems, and AI-driven industries, urging Pakistan to shift from IT outsourcing to deep-tech innovation. His vision emphasized AI-powered governance, cybersecurity and industrial applications.
- Dr. Suleman Mazhar discussed China's advancements in AI, Deep Learning and smart governance. He compared Deep Seek AI with ChatGPT and highlighted AI's role in crime prevention, traffic management, and environmental monitoring. He emphasized AI-assisted urban surveillance and underwater acoustic AI research, demonstrating how Pakistan can learn from China's AI-driven policies.
- Dr. Usman Ghani introduced Pakistan's first Generative AI Research Lab (GAIRL) at NCAI, showcasing AI-driven applications in healthcare, security and business intelligence. His research in medical imaging, epilepsy detection and AI-powered mental health support highlighted Pakistan's potential for AI-driven medical advancements. He called for stronger public-private partnerships to integrate AI into Pakistan's economy and governance.
- Dr. Wajahat Qazi delivered an engaging talk on AI-driven cognitive architectures, machine consciousness and cybernetics. He explored Generative AI models, quantum computing and the philosophical implications of AI consciousness. His discussion on AI's ethical challenges, digital propaganda and transhumanism prompted reflection on the future of AI-human relationships.
- Wasim Ahmad Khan examined Artificial General Intelligence (AGI), its global competition and industry applications. He addressed AGI's ethical considerations, regulatory frameworks, and

responsible deployment. He emphasized the urgent need for transparent AI governance, urging businesses and policymakers to align AGI strategies with ethical standards.

- Dr. Athar Mansoor focused on smart cities and AI-powered urban solutions. He discussed the role of AI in urban sustainability, digital twins for climate resilience and AI-powered public transportation. Highlighting global smart city initiatives from London, Lisbon, and Philadelphia, he urged Pakistani urban planners to prioritize ethical AI deployment, digital equity and smart infrastructure development.
- Easha Babar explored the role of Generative AI in education, emphasizing its impact on teaching methodologies, student engagement and academia-industry collaboration. She discussed personalized AI-driven tutoring systems, automated grading, and adaptive learning, which enhance student performance and accessibility.
- Dr. Yasir presented PSCA's AI-driven innovations in public safety, including the PSCA Khidmat-i Chatbot, AI-based Emergency-15 system and predictive crime analysis. He showcased AI-powered surveillance systems, traffic violation detection and drone-based monitoring. His emphasis on AI's role in public service automation, law enforcement efficiency and smart city infrastructure positioned Pakistan as a regional leader in AI-driven governance.
- The Gen AI for a Smarter Tomorrow conference concluded on a note of optimism and determination, reinforcing the transformative potential of AI in reshaping public services, governance, education and industry. The discussions highlighted how Generative AI, predictive analytics and deep learning technologies are already driving significant advancements across multiple sectors.

While AI offers unparalleled opportunities in crime prevention, smart city development, healthcare and economic growth, the conference also emphasized the need for ethical AI deployment, strong governance frameworks and inclusive digital policies. The challenges of data security, AI bias, workforce displacement and cyber risks require collaborative solutions from policymakers, academia and industry leaders.

The event served as a platform for knowledge exchange and forward-thinking strategies, encouraging stakeholders to harness AI responsibly while fostering innovation. The insights shared by experts reaffirmed that Pakistan stands at a pivotal moment in its AI journey, with the potential to emerge as a leader in AI-powered governance, digital transformation, and smart city initiatives.