



Redefined roles, responsibilities and approach towards learning in AI-based Education

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Kalyan Ram B stands at the forefront of Industry 4.0 innovation as the co-founder and CEO of Indxo AI Pvt. Ltd., a company he has propelled into a vanguard position in remote engineering and industrial automation. With a stellar career spanning over 20 years, Kalyan Ram has demonstrated an unwavering commitment to pioneering cutting-edge solutions that seamlessly integrate academic rigor with industrial prowess. Under his visionary leadership, Indxo AI has transformed the landscape of Remote Engineering Solutions, encompassing Industry 4.0 technologies, Remote Laboratories, and Digital Twin implementations. His expertise extends across Control System Design, Industrial Automation, and the strategic application of Artificial Intelligence to tackle complex engineering challenges. His efforts have not only advanced technology but also bridged significant gaps between industry demands and academic innovation. Kalyan Ram B's dedication to nurturing innovation is exemplified in his role as the President of the **International Association of Online Engineering (IAOE)**, based in Austria. His international influence promotes the development and distribution of Remote/Online Engineering (OE) technologies, fostering global collaboration and societal impact.

As artificial intelligence reshapes the global landscape, education stands at a pivotal crossroads. No longer confined to classrooms or curricula, learning is becoming an adaptive, lifelong, and deeply personalized journey—powered by intelligent systems that challenge traditional roles and institutional boundaries. This keynote explores how AI is not merely a tool but a transformative force that compels a redefinition of the teaching-learning ecosystem itself.

We will examine the evolving responsibilities of five core stakeholders: **Teachers, Students , Academic Institutions, Institutional Management, Industry**

This keynote will present a systems-level framework for collaborative transformation, drawing on global best practices and grounded in the principles of human-centric AI, ethical governance, and lifelong learning. Attendees will leave with actionable insights to reimagine their roles—not just in adapting to AI, but in shaping a future where education empowers every learner to thrive in an intelligent, interconnected world.