Editorial

Shaping The Future of Engineering Education Through Artificial Intelligence and Innovation

The rapid advancements in technology and new innovations are changing the landscape of education and often bringing innovation on the surface. Education needs to be more dynamic, flexible and advanced to match the changes in the surroundings. Artificial intelligence is a powerful tool which offers better learning environment, support for students, new ways of faculty development and it is also futuristic in nature. It prepares students for upcoming challenges.

In this special issue, seven papers are shortlisted from around the world. The authors of this special issue are from India, Switzerland, Dubai, Malaysia and United Kingdom etc. It is a collection from geographically diverse sets of authors. The focus of this special issue is in exploring role of artificial intelligence to innovate educational strategies. Innovative educational strategies help in fostering quality education, lifelong learning and sustainable development. By fostering personalized learning pathways, ensuring secure and ethical use of technology, and promoting collaboration between academia and industry, AI-driven solutions are redefining how knowledge is imparted, absorbed, and applied.

Moreover, the alignment of artificial intelligence in education also help in aligning education with sustainable development goals (SDGs). It encourages the development of scalable solutions that support equitable access to learning resources, enhance decision-making, and empower learners across diverse backgrounds and regions.

As we navigate this period of rapid change, it is crucial for educators, researchers, policymakers, and industry stakeholders to engage in

meaningful dialogue, share best practices, and work collaboratively to harness the full potential of AI in education. This special issue aims to contribute to that collective effort by presenting a platform for knowledge exchange, fostering interdisciplinary collaborations, and inspiring future innovations.

We hope this collection serves as a source of insight and inspiration, encouraging continued exploration of how technology and education can work hand in hand to build resilient, adaptive, and forward-looking learning ecosystems for the benefit of all.

The authors of this special issue are from India, Switzerland, Dubai, Malaysia and United Kingdom etc. It is a collection from geographically diverse set of authors

GUEST EDITOR (S)

Dr. Anuj Kumar, Head of Research, Rushford Business School, Switzerland, E: anuj.kumar@rushford.ch , Orcid-ID: 0000-0002-1205-2794

Dr. Purvi Pujari, Dean, Vijay Patil School of Management, Navi Mumbai, India, E: purvi.pujari@dypatil.edu

Dr. Sayed M. Eldebeky, Assistant Professor, Zayed University, Dubai, United Arab Emirates, E: sayed.mahmoud@zu.ac.ae , Orcid-ID: 0000-0002-2917-3488

Dr. Rajani H. Pillai, Associate Professor, School of Commerce, Mount Carmel College, Autonomous, Bengaluru, Karnataka, India, E: rajani.h.pillai@mccblr.edu.in , Orcid: 0000-0002-6473-4412