

# The Integration of AI in Teacher Leadership: Ethical and Practical Considerations

Alpana Sharma<sup>1\*</sup>, Priyesh Kumar Mishra<sup>2</sup>, Arkadeb Dutta<sup>3</sup>

<sup>1\*</sup>*Assistant Professor, Department of Management, Kalinga University, Naya Raipur, Chhattisgarh*

<sup>2</sup>*PGT Biology, Dream Academy Public School, Ratanpur, Bilaspur, Chhattisgarh*

<sup>3</sup>*Department of Zoology, Naya Raipur, Chhattisgarh*

\*Corresponding author ID: [alpana.sharma@kalingauniversity.ac.in](mailto:alpana.sharma@kalingauniversity.ac.in)

## Abstract

The rapid advancement of artificial intelligence (AI) technology presents both transformative opportunities and complex challenges for educational leadership, particularly regarding teacher professional development and instructional practices. This paper aims to thoroughly examine the intricate ramifications of AI integration in educational leadership frameworks, exploring how emerging technologies can augment teacher leadership while also confronting critical ethical issues associated with algorithmic decision-making, data privacy, and the possible substitution of human judgement in educational environments.

The study seeks to provide a comprehensive framework for the appropriate use of AI in education by meticulously examining current AI uses, aiming to strengthen teacher agency rather than diminish it. The anticipated outcomes include the identification of best practices for AI-enhanced teacher leadership, the establishment of ethical standards for technology integration in education, and the proposal of a balanced approach that leverages AI's computational advantages while preserving essential human attributes such as empathy, contextual awareness, and personalised mentorship crucial for effective educational leadership.

**Keywords:** AI Educational Leadership, Ethical Technology Integration, Algorithmic Decision-Making, Pedagogical Innovation

## Bio

Alpana Sharma is an Assistant Professor in the Management faculty, Kalinga University, Naya Raipur, Chattisgarh and a PhD scholar with expertise in leadership and personal development. An accomplished author, she has written *The Soulful Journey* and *The Mindful Journey*, focusing on mindfulness and emotional well-being. Her research and teaching inspire transformative growth.

Priyesh Kumar Mishra is a passionate educator and PGT in Biology, Dream Academy Public School, Ratanpur, Bilaspur, Chhattisgarh with a deep commitment to scientific learning. An accomplished author, he has penned the book *Food and Food Source*, exploring the intricacies of nutrition and ecology. As a researcher, his work focuses on innovative approaches in biological sciences.

Arkadeb Dutta a multifaceted individual with a rich background in Zoology, coupled with a talent for writing and a keen interest in environmental conservation. With diverse skill set encompassing research, technical proficiency, and a deep understanding of animal behaviour, I have proven myself as a valuable asset in the field. My contributions extend beyond academia, as I actively seek opportunities to promote environmental stewardship and raise awareness about pressing issues such as biodiversity loss and climate change. Through my passion for wildlife and commitment to making a positive impact, I strive to contribute meaningfully to the preservation of our planet's natural resources.