

AI Ethics in Indian Education: A Human-in-the-Loop Framework

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Abstract

Indian digital education transformation has created black box AI systems compromising ethics, equity and transparency; affecting marginalised learning and teaching communities. This work develops a human-in-the-loop framework to enhance AI explainability enabling equitable access in educational contexts. Our framework indicates that while Tier-1 cities can assimilate standardised AI tools, Tier-2 and Tier-3 cities require customised SLMs with intuitive embedding channels for student-teacher interaction. This work floats strategies for developing culturally sensitive localised AI solutions to leave a tangible impact on formal Indian K-12 education.

Keywords

Explainable AI, digital governance, human-in-the-loop, educational equity, Indian ecosystem.

