

ARTIFICIAL INTELLIGENCE IN PRIMARY HEALTHCARE IN INDIA: A PATHWAY TOWARD SUSTAINABLE AND INCLUSIVE CARE

LUCKY ADHIKARI^{1*}, SAYAN SAMAJDER² AND SHIRIN VAIDYA²

India's primary healthcare system is central to achieving universal health coverage but continues to face challenges such as workforce shortages, inequitable access, rising disease burden, and resource constraints. Artificial intelligence (AI) has emerged as a promising tool to strengthen primary healthcare by enhancing clinical decision-making, improving operational efficiency, and expanding access to essential health services. This paper synthesises existing literature on AI applications in India's primary healthcare, emphasising sustainability, inclusivity, equity, digital health initiatives, governance, and the need for ethical, context-sensitive implementation.
