



EDITORIAL

Artificial Intelligence in Indian Healthcare: A New Dawn

India's vast and diverse population faces unique challenges in accessing quality healthcare. A shortage of medical professionals, particularly in rural areas, coupled with a growing burden of chronic diseases, creates a critical situation. However, a new dawn is emerging on the horizon – the dawn of Artificial Intelligence (AI) in healthcare.

AI has the potential to revolutionize Indian healthcare by addressing its core challenges. AI-powered diagnostics can analyze medical images with unmatched accuracy, aiding in early disease detection and reducing misdiagnoses. This is particularly significant for diseases like cancer where timely intervention is crucial. Furthermore, AI can analyze vast amounts of patient data to set up personalized treatment plans; leading to better patient outcomes.

The benefits extend beyond diagnostics and treatment. AI-powered chatbots; developed by companies like OnliDoc and Lybrate, can answer patients' basic queries, alleviating the burden on medical professionals and allowing them to focus on complex cases. Additionally, AI can streamline administrative tasks, freeing up valuable time and resources for patient care. For example, SigTuple's AI platform, Manthana, automates the analysis of blood smears and digitizes various medical samples, improving efficiency in labs. AI can enhance telemedicine by enabling remote consultations, triage, and follow-up care, expanding access to healthcare services in remote areas. AI can further accelerate drug discovery by analyzing vast datasets and identifying potential drug candidates leading to faster development of new treatments.

However, for this new dawn to break fully, certain roadblocks need to be addressed. Data privacy and security concerns require robust regulations to ensure patient information remains protected. Additionally, ensuring equitable access to AI-powered healthcare solutions across the urban-rural divide is crucial.

Despite the challenges, AI in Indian healthcare holds immense promise. By connecting this technology responsibly and collaboratively, we can create a future where quality healthcare is accessible and affordable for all. This is not just a technological leap, but a vital step towards a healthier India.

Dr. Sushanta Kumar Das
Associate Professor
Mata Gujri College of Pharmacy,
E-Mail: sushanta.mgcop@gmail.com

Indian Research Journal of Pharmacy and Science; 39(2024)3010;
Journal Home Page: <https://www.irjps.in>