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HARNESSING ARTIFICIAL INTELLIGENCE FOR SOCIAL WELFARE AND POLICY MAKING IN INDIA: OPPORTUNITIES AND CHALLENGES

Dr. Janki J. Kalathiya

Assistant Professor in Sociology
Government Arts and Commerce College, Barwala
Email: jankichauhan27@gmail.com
Mo. No.: 7016873973

Abstract

Artificial Intelligence (AI) has the potential to revolutionize social welfare and policy making in India. This article explores the opportunities and challenges of leveraging AI in social welfare and policy making, with a focus on the Indian context. We examine the current state of AI adoption in Indian social welfare programs, highlight successful examples of AI-driven initiatives, and discuss the ethical considerations and challenges associated with AI adoption. Our analysis suggests that AI can enhance the effectiveness and efficiency of social welfare programs, improve policy making, and promote inclusive growth. However, addressing the challenges of data quality, bias, and accountability will be crucial to ensuring that AI benefits the most vulnerable populations.

INTRODUCTION

Artificial Intelligence (AI) has emerged as a transformative technology with far-reaching implications for various sectors, including social welfare and policy making. In India, where social welfare programs play a critical role in promoting inclusive growth and reducing poverty, AI can enhance the effectiveness and efficiency of these programs. This article explores the opportunities and challenges of leveraging AI in social welfare and policy making in India.

Current State of AI Adoption in Indian Social Welfare Programs:
The Indian government has launched several initiatives to leverage AI in social welfare programs. For instance, the Ministry of Electronics and Information Technology (MeitY) has launched the "AI for All" initiative, which aims to promote the development of AI that is inclusive, transparent, and accountable. Additionally, the government has established the National e-Governance Division (NeGD) to promote the use of technology, including AI, in governance and social welfare programs.

Successful Examples of AI-Driven Initiatives:
Several Indian organizations have successfully leveraged AI in social welfare programs. For example:
1. Aadhaar-based AI-powered system for pension disbursement:
The government of Andhra Pradesh has developed an AI-powered system that uses Aadhaar data to disburse pensions to eligible beneficiaries. The system has reduced the time taken for pension disbursement and improved the accuracy of payments.

2. AI-powered chatbots for healthcare:
The Apollo Hospitals group has launched an AI-powered chatbot that provides patients with personalized healthcare advice and support. The chatbot has improved patient engagement and reduced the workload of healthcare professionals.

3. AI-powered predictive analytics for poverty reduction:
The Indian Institute of Technology (IIT) Bombay has developed an AI-powered predictive analytics system that identifies areas of high poverty concentration. The system has helped policymakers target poverty reduction programs more effectively.

Ethical Considerations and Challenges:
While AI has the potential to transform social welfare programs, several ethical considerations and challenges need to be addressed. These include:

1. Data quality and bias:

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AI systems are only as good as the data they are trained on. In India, where data quality is often a concern, AI systems may perpetuate existing biases and inequalities.

2. Accountability and transparency:
AI decision-making processes can be opaque, making it difficult to hold individuals accountable for decisions made by AI systems.

3. Job displacement:
The increasing use of AI in social welfare programs may lead to job displacement, particularly in sectors where tasks are repetitive and can be automated.

CONCLUSION

AI has the potential to revolutionize social welfare and policy making in India. However, addressing the challenges of data quality, bias, and accountability will be crucial to ensuring that AI benefits the most vulnerable populations. By leveraging AI in a responsible and inclusive manner, India can promote more effective and efficient social welfare programs, improve policy making, and drive inclusive growth.

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