CHAPTER 6

Artificial Intelligence in Governance: Proposing AI Driven Governance Model in Pakistan

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ABSTRACT

The modern technological world is shaping governance through an Artificial Intelligence (AI) model as a tool. The aim before this adoption is to improve the effectiveness, transparency, and civic-centered service delivery to its citizens. This study offers a conceptual framework for utilizing AI in the governance skeleton in Pakistan, emphasizing proper, lawful and infrastructural deliberations. The suggested model will join eight grave gears: State AI policy, approach, digital structure upgradation, data access, legal and ethical safety measures, the AI pilot projects, capacity strengthening, training, local adaptation partnerships, and constant monitoring. By powering AI-driven decision-making, predictive analytic and computerized help delivery, the projected model aims to improve administrative responsiveness, policy efficacy, and the government's liability. The study will also discuss the obstacles while executing the AI challenge in the Pakistani governance model, with data limits, skill gaps, and observance understanding. The projected framework will give a prescription for policy-makers, government institutions, and researchers to exercise AI properly to support good governance for sustainable development.

Introduction

The use of AI is changing governance framework. It is creating chances to improve how governments serve the public make policies and help citizens participate. Governments around the world are using AI more and more to make decisions. It helps them use resources in a way. It reduces waste in government work. It makes governments more open and responsible. AI and digital change are now key to government.AI is becoming a smart tool that can change how governments and citizens interact[1]. AI is used in governance, means the use of smart technologies to help the government work better. These technologies include machine learning, predictive analysis, natural language processing and automated decision support systems. They are used in government operations and public services. This support governments look at a lot of data find patterns predict what will happen with policies and provide services efficiently. Some countries like China, Singapore, Estonia and the United Kingdom have shown that AI can be very useful in administration. They have made things more efficient, responsive and based on evidence[2].

Pakistan finds itself at a crucial point this time. Many years of governance issues like corruption, mismanagement, leakages, and poor service provision have created a lack of faith among the population in state institutions. At the same time, AI has changed the way revenues are collected, public services are delivered, corruption is prevented, and policies are made by governments around the world. The following proposal puts forward the idea that Pakistan is able and must adopt an appropriate AI governance framework suited to its particular needs and context. The following does

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[1] Dwivedi, Yogesh K., Hughes, Laurie, Ismagilova, Elvira, Aarts, Gert, Coombs, Crispin, Crick, Tom, Duan, Yanqing, Dwivedi, Rohita, Edwards, John, Eirug, Aled, Galanos, Vassilis, Ilavarasan, P. Vigneswara, Janssen, Marijn, Jones, Paul, Kar, Arpan Kumar, Kizgin, Hatice, Kronemann, Bianca, Lal, Banita, Lucini, Biagio, Medaglia, Rony, Meunier-FitzHugh, Kenneth Le, Meunier-FitzHugh, Leslie Caroline Le, Misra, Santosh, Mogaji, Emmanuel, Sharma, Sujeet Kumar, Singh, Jang Bahadur, Raghavan, Vishnupriya, Raman, Ramakrishnan, Rana, Nripendra P., Samothrakis, Spyridon, Spencer, Jak, Tamilmani, Kuttimani, Tubadji, Annie, Walton, Paul, and Williams, Michael D. 2021. "Artificial intelligence (AI): Multidisciplinary perspectives on emerging challenges, opportunities, and agenda for research, practice and policy." *International Journal of Information Management*, 57, 101994. https://doi.org/10.1016/j.ijinfomgt.2019.08.002

[2] Berryhill, Jamie, Kok Heang, Kévin, Clogher, Rob, and McBride, Keegan. 2019. "Hello, world: Artificial intelligence and its use in the public sector." OECD Working Papers on Public Governance, No. 36, OECD Publishing, Paris. https://doi.org/10.1787/726fd39d-en.

not represent a proposal for technological utopia. AI cannot replace political commitment, institutional strength, and accountability. But when implemented properly within existing frameworks, it can ensure greater transparency and efficiency in those frameworks. The government is facing problems, such as Fabian bureaucracy, corruption, no transparent, public services being fragmented and absence of properly managing data. These problems are stopping the country from developing economically. Even though Pakistan is trying to become more digital through things, like Digital Pakistan it is still facing obstacles to make the government work effectively and focus on the citizens. However with more digital data available more people using the internet and better e-government infrastructure AI can be used to solve these governance problems as stated by the Government of Pakistan in 2023. AI can really help Pakistan with its governance issues.

The use of AI in Pakistan's government has the potential to make public services better make the government work effectively help make good policies and support decisions that are based on data. AI systems can help keep an eye on projects as they happen automate tasks that government employees do find fake activities and make sure resources are given out fairly to areas like healthcare, education, taxes and law enforcement.AI can also help make things more transparent by reducing biases and minimizing the chance for people to make decisions on their own. However, using AI in government also brings up concerns about keeping people's personal information private, keeping computers safe from biases in the algorithms that AI uses, being responsible for what AI does, and having rules to make sure AI is used correctly. Other countries that are still developing need to set up good laws, government institutions and technology to make sure that AI is used in a responsible and fair way. Therefore, Pakistan needs a plan for how to use AI that includes new technology and ways to keep people safe and make sure the government is ready. This is important for AI to be used in a way that is good for everyone, in the long run. This study is about creating a way of governing in Pakistan using artificial intelligence. The research looks at how Pakistan can use intelligence in the public sector. It wants to find out what the pros and cons are of using AI in the Pakistani government. The study also wants to make a plan that will help the government work better, be more open, and make sure people are accountable for their actions. It also wants to make sure citizens are involved in what the government does. The research looks at what other countries are doing and tries to apply those things to Pakistan. This study is trying to help people understand how AI can be used to make the sector in Pakistan better. It gives ideas to the government on how to use intelligence to make things better in Pakistan.