

The Growth of Artificial Intelligence Regulations in GCC Countries, challenges and Opportunities

Asim Baraji

¹ قسم القانون، كلية العلوم الإنسانية، جامعة ميداووشن، المملكة العربية السعودية

* الباحث المعتمد للمراسلة:

Introduction

Artificial Intelligence (AI) is rapidly becoming a core driver of digital transformation worldwide, and the GCC region is no exception. Governments and key sectors, including finance, transportation, energy, and public services, are increasingly integrating AI to support national strategies such as Saudi Arabia's Vision 2030, the UAE's National AI Strategy 2031, and Qatar's National Artificial Intelligence Strategy.

As adoption accelerates, the need for effective AI regulation has become critical. While some GCC countries have introduced ethical guidelines and digital governance measures, regulatory development across the region remains uneven. This proposal aims to examine the growth of AI regulations in GCC countries and assess the key challenges and opportunities in building coherent, future-oriented legal frameworks.

Problem Statement

The rapid expansion of AI technologies in GCC countries has outpaced the maturity of existing legal and regulatory frameworks. While strategies and ethical guidelines exist, there is no comprehensive or standardized AI regulation across the region. The lack of unified governance exposes governments, institutions, and citizens to legal uncertainties and potential risks arising from biased algorithms and cybersecurity vulnerabilities.

Research Questions

1. How are GCC countries developing AI regulatory frameworks?
2. What AI-related laws, policies, and guidelines currently exist across GCC countries?
3. What legal and ethical challenges complicate AI regulation in GCC?
4. What opportunities exist for the GCC?
5. How do GCC AI regulatory efforts compare with global frameworks?
6. What policy recommendations can support the development of robust AI frameworks?

Research Objectives

- To map and analyze existing AI policies, strategies, and regulations in GCC countries.
- To identify key legal, ethical, and technological challenges affecting the regulation of AI.
- To evaluate the alignment of GCC frameworks with international AI regulatory models.
- To explore opportunities for GCC AI governance.
- To provide actionable recommendations for policymakers and regulators.

Methodology

The research will use a qualitative legal research approach.

Research Plan

Section 1.1: Background and Importance of AI in the GCC

Subsection 1.1.1: AI as a Driver of Digital Transformation

- Overview of global AI integration.
- Increasing reliance on AI in public and private sectors.

Subsection 1.1.2: National Strategies Supporting AI Adoption in the GCC

- Saudi Vision 2030
- UAE National AI Strategy 2031
- Qatar National AI Strategy

Section 1.2: Problem Statement and Research Rationale

Subsection 1.2.1: Uneven Development of AI Regulatory Frameworks

- Variation between GCC countries in establishing AI laws and guidelines.
- Challenges in creating unified or coherent regulatory approaches.

Subsection 1.2.2: Need for Future-Ready AI Governance

- Ethical concerns, accountability, and transparency.
- Importance of balancing innovation with regulation.

Scope of the Study

Geographical Scope: Saudi Arabia, United Arab Emirates, Qatar, Bahrain, Kuwait, and Oman.
The Scope is: AI law, digital governance, ethical AI, data protection, cybersecurity, liability, algorithmic transparency, and cross-border data regulation.

Conclusion

This research aims to provide a comprehensive examination of emerging AI regulations in GCC countries. By analyzing current frameworks, identifying key challenges, and evaluating opportunities, the study seeks to support the development of AI governance structures in the region.

Expected Result

Addressing a gap in the literature on GCC AI regulatory development and providing a comparative legal analysis has not been widely explored in current scholarships. Also, helping align GCC AI strategies with international frameworks.

Academic References

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