

POLICY AND LEGAL FRAMEWORKS OF AI FOR HEALTHCARE IN ETHIOPIA: PROSPECTS AND CHALLENGES

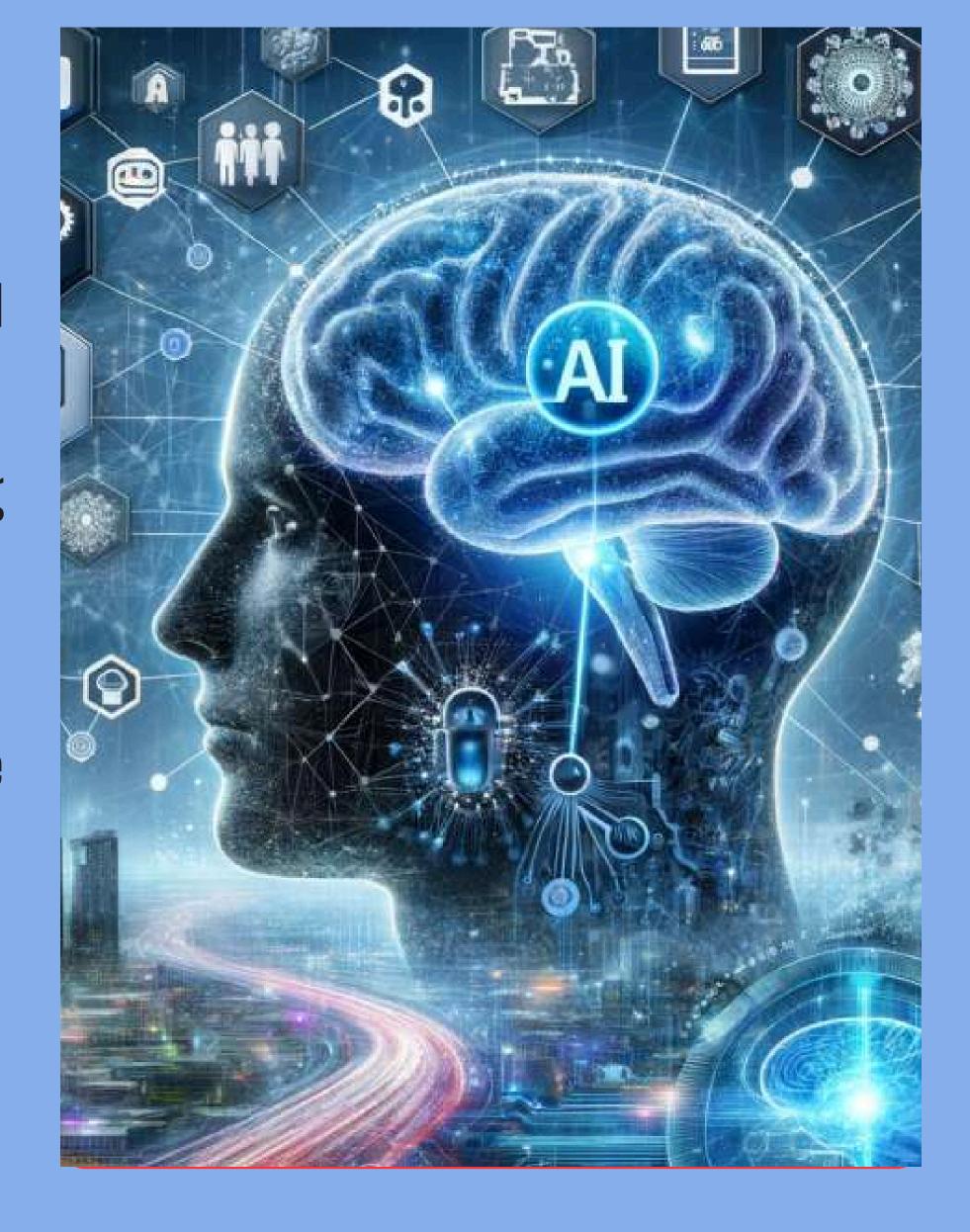


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2nd Annual AI in Health Africa Conference, November 06-07, 2025, Makerere University

I. Introduction

- Al is transforming various aspects of healthcare.
- Al is vital for improved diagnostic and therapeutic treatments.
- Al drives innovation in health devices & drug development
- Data is essential for Al applications.
- Given potential risks, Al & health data require effective policy and legal frameworks.



II. Al in Ethiopia's Healthcare

- Despite various challenges, there are increasing applications of Al in Ethiopia's healthcare.
- 2.1. Al Applications in Healthcare: TB, heart, cancer, eye cataract and medical imaging.
- 2.2. Potential Benefits: Improved, effective & efficient treatment.
- 2.3. Risks/Challenges: Privacy, Bias & Discrimination

III. Policy and Legal Frameworks

- 3.1. Al Policy Framework:
- National Al Policy (June 2024): Ethiopia as centre of excellence for Al development in Africa by 2035.
- Continental AI Strategy (July 2024): Areas of Focus—harnessing AI's benefits, building AI capabilities, minimizing risks, stimulating investment and fostering cooperation.
- 3.2. Legal Framework for Al:
- Legal frameworks are essential for implementation of Al policy in healthcare sector.
- No Specific and Comprehensive AI Legislation
- Relevant Legislation: Personal Data Protection Proc No.1321/2024
 & other existing laws.

IV. Prospects & Challenges

- 4.1. Prospects: National Al Policy + Continental Al Strategy
 - Both offer visions, objectives and core principles for robust Al policy framework in Africa.
- 4.2. Challenges: Infrastructure, Ethical Issues & Legal Gaps
 - Infrastructure: Internet, Data, Data Centers, Computing
 Power & Skilled workforce
 - Ethical Challenges: Privacy, Bias & Intellectual Property (IP)?
 - Lack of Robust Legal Frameworks: Enforcement and Remedies for violations

Conclusion & Recommendations

- The development and applications of Al are critical for health sector in Ethiopia.
- Ethiopia's adoption of national Al policy is a significant step towards harnessing Al for the well-being of its citizens.
- Given the benefits and risks of Al applications, Ethiopia's Al policy should be implemented in a manner that maximizes the benefits and minimizes the ethical and legal risks.
- Implementation of the national and continental Al policies should facilitate ethical and lawful use/integration of indigenous knowledge of diagnostic and therapeutic practices.
- Ethiopia's national health policy should be updated in line with its Al policy and global health initiatives.
- Appropriate legal reforms should be made to address the concerns and foster innovation in AI technologies.