

Towards a Framework for Application of Artificial Intelligence Technologies in Thomas Mofolo Library

Section 1: Contribution Details

Contribution	Detail
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Section 2: Abstract Text

In today's digital age, the integration of Artificial Intelligence (AI) technologies presents significant opportunities for enhancing library services. Libraries, especially in developing regions like Africa, stand to gain immensely from AI-driven innovations. However, the adoption and application of AI in libraries face numerous challenges, including limited resources, lack of technical expertise, and infrastructural constraints particularly in a developing country such as Lesotho. This paper aims to address these challenges by proposing a comprehensive framework for the effective implementation of AI in the Thomas Mofolo Library. The primary objective of the study is to develop a structured approach that facilitates the adoption of AI technologies in libraries, with a particular focus on the Thomas Mofolo Library in Lesotho. The framework will outline the necessary components, such as technological infrastructure, data management practices, and staff training programs, to ensure a smooth and successful integration of AI.

The methodology for this study involves a combination of qualitative and quantitative research techniques. A thorough literature review will be conducted to identify best practices and successful case studies of AI implementation in libraries globally. This will be complemented by surveys and

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interviews with library staff, patrons, and AI experts to gather insights and feedback on the specific needs and challenges faced by the Thomas Mofolo Library. The data collected will inform the development of a tailored framework that addresses the unique context and requirements of the library.

The proposed framework aims to guide libraries in effectively utilizing AI to enhance their services, improve operational efficiency, and offer personalized experiences to users. The paper emphasizes the importance of a well-defined approach to overcome potential challenges and maximize the benefits of AI in library development.