

A study of: ABARI ILIOR AICHETOU

Machine Learning-Based Similarities Checker System for Enhancing Examination Quality in Academic Institutions. A case study: INES Ruhengeri

1.1 Description of the study

Plagiarism Proctor is an advanced AI-powered system designed to detect similarities in exam questionnaires before they are printed, ensuring originality and reducing excessive question reuse. By analyzing textual content, the system identifies patterns, rephrased similarities, and potential duplication, helping lecturers and examination committees maintain academic integrity. Equipped with a user-friendly interface, role-based access, and detailed similarity reports, Plagiarism Proctor streamlines the validation process while providing actionable insights for exam question improvement. This innovative tool enhances the reliability of assessments, promoting fair and diverse evaluations in educational institutions.

2.1 Choice of the study

The choice of this research topic was driven by the need for a more effective and adaptable solution to address the limitations of existing plagiarism detection systems that focus primarily on students' exam papers and are not tailored to the specific needs of institutions, which makes it hard to enforce academic policies effectively. This study is inspired by the need to explore innovative solutions to natural language processing (NLP) problems by developing a system that balances precision with adaptability. It aims to provide universities with a more reliable and customizable tool to enhance exam quality, ultimately contributing to a culture of honesty and academic excellence.