Digital Transformation Inequality in South African Secondary Schools Affecting the Implementation of 4IR Era Relevant Curriculum
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Introduction

- The Fourth Industrial Revolution (4IR) definition.

- Digital transformation- global trend and

- School curricula and skills – study done

Literature Review

- 4IR overview- educational outcomes

- Digital transformation in education – challenge of digital divide

- Digital in inequality in education- covide made digital inequality more evident.

➢ The accessibilty of various resources

➢ Literacy levels

Research Problem

- Effects of digitization on South African secondary school education

- The study provides insight into the extent of digital transformation inequalities in South African secondary schools and their impact on the implementation of 4IR era relevant curriculum.

- The key challenges identified include, limited infrastructure, lack of teacher training, and disparities in digital skills.

Research Objective

- The study maps the challenges faced by South African secondary schools regarding digital transformation and how inequality affects the implementation of curriculum that is relevant to the 4IR ERA

Research Methodology

- Data collection is an ongoing and follows a mixed-methods approach

- For this study desk research was employed to address the research aims.

- Information from Government publications and other relevant studies was used.

- Governments usually publish data related to social, financial, educational, and economical aspects of society

- Also, some of the challenges that affect implementation of government initiatives were discussed.

Discussion and findings

- Since the election of the first democratic government in 1994, one of the major tasks have been to transform the inequitable political, economic, and social system of the apartheid era.

- Some of the developments since 1994 to 2018 are discussed in Table 1.

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Discussion and findings

- Reports and documents showing South African government initiatives were discussed in Table 2.

- Selected studies proving inequality still a challenge in South Africa was discussed in Table 3.

- Table 4 covered over and above digital inequality, other changes South Africa is facing.

Discussion and findings

- Digital divide in South Africa.

- Many schools, particularly those in disadvantaged areas, lack the necessary infrastructure, hardware, and connectivity to support effective digital learning.

Recommendation

- Infrastructure development.

- Teacher training and capacity building

- Public-private partnershipsd.

- Curriculum adaptation

Conclusion

- Inequality in digital transformation poses a significant challenge to the implementation of 4IR era relevant curriculum in South African secondary schools.

- Limited digital infrastructure, lack of access to technology, and inadequate teacher training contribute to this inequality.

- Addressing challenges as per recommendations

Conclusion

Thank you so much for listening to my presentation!!!