National University of Science and Technology

Think in Other Terms

FACULTY OF TECHNICAL TEACHER EDUCATION

DEPARTMENT OF TECHNICAL TEACHER EDUCATION

RESEARCH PROJECT

RESEARCH TOPIC: CHALLENGES FACED IN THE IMPLEMENTATION AND USE OF INFORMATION TECHNOLOGY IN TEACHING AND LEARNING

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ABSTRACT

This study focused on the challenges faced in the implementation and use of information technology in teaching and learning. The study was motivated by the need to improve use of information technology in teaching and learning.

The objectives of the study were to determine the extent to which information technology is being used to improve results as well as easy access to information and determine the challenges encountered in the implementation of information technology.

This study was also influenced by previous researchers and their findings. These findings were economically related to the country where the research was focused on. Some countries were driven by war to implement information technology as pupils were not able to attend school all the time others it was due to shortage of human resources.

The study was done using the qualitative paradigm and one high school was used as a case study. Interviews with heads of department subject teachers and pupils were conducted. The head of the institution was also interviewed. Samples of teachers and of heads of department were used; focus groups were used when pupils were interviewed.

Major challenges were teacher attitude towards change most preferred the traditional way of doing things. Lack of support was also one of the problems faced by those who wanted to use information technology in their teaching. Funding was the one thing which the head lamented on and qualified personnel.

For teachers to be able to accept change they need to be involved in the planning and their views and inputs taken into account. Administrators need to be supportive and provide resources for those who have already embraced information technology in their teaching. Since the world is becoming a global village due to technology more funds need to be ploughed into the implementation of information technology.

The study was to be used by education stakeholders in order to improve the quality of education in the country hence the life's of pupils and their communities.