NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF COMMUNICATION AND INFORMATION SCIENCE

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AUTOMATION OF MZINGWANE HIGH SCHOOL LIBRARY: A FEASIBILITY STUDY

BY

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ABSTRACT

Manual library systems are characterised by inefficient processes. Automation improves library processes. The system at Mzingwane High School Library was manual in nature. It was ineffective, inefficient and contained errors. The purpose of this study was to determine whether it was feasible to automate Mzingwane High School Library. The Technology Acceptance Model and the Model Requirements Elicitation were the theories informing this study. The population under study were the pupils, teachers, school authorities and S.D.A members. This study used 5% of the 600 students making a sample of 30 students; 10% of the 50 teachers resulting in 5 respondents. Convenience sampling was used to select 5 out of 6 S.D.A members and judgemental sampling was used to select the school authorities who were the Headmaster and the Deputy Headmaster. The instruments used were the questionnaires and interviews. The study revealed that the manual system at Mzingwane High School Library was extremely slow and that automation was long overdue. The librarian was revealed to be the champion of technology introduction. The researcher recommended the school to introduce technology in the library and use its financial muscle to automate the library. The study also revealed that the automation of Mzingwane High School Library was technically, operationally and economically feasible. The school was also recommended to effectively manage the change over process and use the parallel change over for the transition from the manual to the automated system.

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