

***NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY**

FACULTY OF COMMUNICATION AND INFORMATION SCIENCE

DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

AN ASSESSMENT OF INFORMATION SECURITY IN LIBRARY MANAGEMENT SYSTEMS: THE CASE OF CHINHOYI UNIVERSITY OF TECHNOLOGY LIBRARY

BY

**Ngqabutho Siziba
(N0125273B)**

LIBRARY NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY P.O. BOX 346 BULAWAYO ZIMBABWE		
DATE	ACCESSION	CLASS No
11/03/16	SC 15/814	

A RESEARCH PROJECT SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS OF THE MASTER OF SCIENCE DEGREE

IN

LIBRARY AND INFORMATION SCIENCE

Academic Supervisor

Mr E. MUPAIKWA

BULAWAYO, ZIMBABWE

YEAR: 2015



NUST Library

ABSTRACT

Chinhoyi University of Technology (CUT) Library experiences data loss in Mandarin Oasis Library Management System. Data has been lost despite the efforts by the Systems Department to recover lost data. While some data is recovered some is lost. Data recovery takes time and failures often occur which affects many sections of the library. CUT Library staff try to make regular backup of data on CD's so as to counter the problems of data loss but this has been to no avail as the data is not encrypted on the CDs exposing it to risks of loss as well. This study sought to find out security of data in the Library Management System used at CUT library (Mandarin Oasis) in issuing and discharging books, acquisitions, classification and cataloguing. The study adopted the survey research design. Face to face interviews and group interviews were conducted to 22 Library staff, 10 Information Technology (IT) Lecturers and 6 Information Technology (IT) Technicians and forty six questionnaires were distributed to 46 respondents. Librarians, IT Lecturers and IT technicians were the main focus of information as they were the best people to provide answers and solutions to the problems pertaining to Mandarin Oasis. The study showed that data loss is affecting Library operations at CUT Library. No significant attempts to curb data loss were being employed by CUT library staff and the Systems Administrator. The researcher made data security recommendations guided by the Five Pillars of Information Security in Information Systems. This study is expected to influence the adoption of security of data in Library Management Systems so as to make them more effective.