

Implementing the Design Support Infrastructure: Building the Data

Warehouse

By

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Dumisani G. Ngwenya

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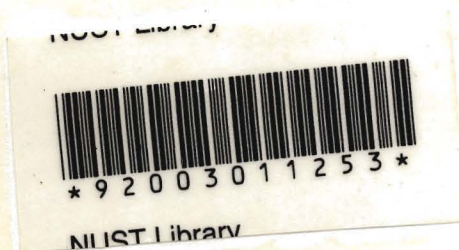
Supervisors: Prof. P.G. Reddy & Mr. T. Chinenyanga

Department of Computer Science

National University of Science and Technology

Bulawayo, Zimbabwe

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Abstract

A data warehouse is a repository storing integrated information for efficient querying, analysis, and reporting. The information is then translated into a common data model and integrated with existing data in the warehouse. When a query is submitted to the warehouse, the needed information is already there with inconsistencies and differences resolved.

This study provides an overview of the area of data warehousing from the definition of what a data warehouse is to the methodologies used to build the data warehouse.

In Chapter 1 we give a general introduction to the research work. Chapter 2 looks at what data warehousing is and at the benefits of data warehousing. In Chapter 3 we look at the tools used to exploit the data warehouse and the methodologies used to build the data warehouse. In Chapter 4 we give a design of the student data warehouse for N.U.S.T. and Chapter 5 contains conclusions and suggestions for further work.