THE REDUCTION OF INFORMATION OVERLOAD IN HYPERMEDIA ENVIRONMENTS

MOEKETSI JONAS SESEMANE

THESIS

submitted in fulfilment of the requirements for the degree

DOCTOR EDUCATIONIS

in

COMPUTER-BASED EDUCATION

in the

FACULTY OF EDUCATION AND NURSING

at the

UNIVERSITY OF JOHANNESBURG

Supervisor: Prof D van der Westhuizen Co-supervisor: Prof JH Trümpelmann

NOVEMBER 2004

ACKNOWLEDGEMENTS

I wish to convey my sincere gratitude and appreciation to the following people:

- Prof. D. van der Westhuizen, my supervisor and Prof. MH Trümpelmann, my co-supervisor, for their expertise, professional guidance and perceptive comments throughout this study. I benefited greatly from their constructive criticism and encouragement.
- ❖ RAU Statkon Com for external coding of data and Dr. Andrew Graham for proofreading my thesis.
- Ms J. Seagreen for electronic origination of this thesis.
- ❖ Dr MC Van der Merwe the principal and Ms S. van Zyl the computer lab instructor at St. Conrad's College for granting permission and necessary arrangements, as well as the Grade 10 learners for their enthusiastic participation in the learning programme.
- ❖ Ms G. Buncome, the Research Writing Department at RAU and Mrs R. Botman, for editing the thesis.
- Friends and colleagues your encouragement and motivation is beyond gratitude.
- ❖ To my wife Vanessa, and my children, Katleho and Koketso. Thanks for your sacrifices, support and understanding.
- ❖ Finally, thanks to God "The Almighty" for the strength and sustaining me throughout.