
CONTENTS

APPROVAL	ii
SELF DECLARATION AGAINST PLAGIARISM	iii
ABSTRACT	iv
ABSTRAK	v
DEDICATION	vi
ACKNOWLEDGMENTS	vii
PREFACE	viii
CONTENTS	ix
LIST OF TABLES	xi
LIST OF FIGURES	xii
LIST OF NOTATIONS	xiii
1 INTRODUCTION	1
1.1 Rationale	1
1.2 Theoretical Framework	2
1.3 Conceptual Framework/Paradigm	3
1.4 Statement of the Problem	3
1.5 Objective and Hypotheses	3
1.6 Assumption	4
1.7 Scope and Delimitation	4
1.8 Significance of the Study	4
2 REVIEW OF RELATED WORK AND ALGORITHM DESIGN	5
2.1 Review of Group Recommender System	5
2.2 Review of Autoencoder in Recommender System	6
3 RESEARCH METHODOLOGY	7
3.1 Research Design	7
3.2 Dataset	7
3.3 Group Recommender System	8
3.4 Collaborative Filtering	9

- 3.5 Sparse Autoencoder 10
- 3.6 Aggregation Strategy 13
- 3.7 Evaluation Metrics 16

- 4 PRESENTATION, ANALYSIS AND INTERPRETATION OF DATA 18**
- 4.1 Presentation of Data 18
- 4.2 Result and Analysis 18

- 5 CONCLUSION AND RECOMMENDATIONS 25**
- 5.1 Conclusions 25
- 5.2 Recommendations 25

- BIBLIOGRAPHY 27**