iv

INDEX

| | Particulars | Page No. |
|-------------|--|----------|
| | Certificate | i |
| | Acknowledgement | ii |
| | Index | iv |
| | List of Tables | ix |
| | List of Figures | x |
| | | |
| Caption No. | | |
| | CHAPTER I: CONCEPTUAL FRAMEWORK | 1-44 |
| 1.0.0 | INTRODUCTION | 1 |
| 1.1.0 | IMPORTANCE OF TEACHING SOCIAL SCIENCE | 2 |
| 1.2.0 | OBJECTIVES OF TEACHING SOCIAL SCIENCE A | AT 3 |
| | THE SECONDARY STAGE | |
| 1.3.0 | TEACHING OF GEOGRAPHY | 5 |
| 1.3.1 | Importance of Geography | 6 |
| 1.3.2 | Importance of Teaching Geography in Social Science | 6 |
| 1.3.3 | Present Scenario of Teaching Geography | 10 |
| 1.3.4.0 | Aims of Teaching Geography in Social Science | 13 |
| 1.3.4.1 | Primary General Aims of Geographical Education | 13 |
| 1.3.4.2 | Secondary General Aims of Geographical Education | 14 |
| 1.3.5 | Objectives of Teaching Geography in Social Science | 15 |
| 1.3.6.0 | Different Methods and Approaches of Teachi | ng 16 |
| | Geography | |
| 1.3.6.1 | Some Suggested Methods to Teach Geography | 16 |
| 1.3.7 | Guiding Principles in Teaching of Geography | 17 |
| | | |

| | 1-2 | The Helle |
|------------|---|-------------|
| | | AURAO UANA |
| | v v | |
| | | |
| | | |
| 1.4.0 | MULTIMEDIA "". | 20 |
| 1.4.1 | History of Multimedia for Education | 21 |
| 1.4.2 | Meaning and Definition of Multimedia | 21 |
| 1.4.3 | Importance and Uses of Multimedia | 23 |
| 1.4.4.0 | Guiding Psychological Phenomena for Development of | 25 |
| | Multimedia | |
| 1.4.4.1 | Principles to Design Multimedia | 27 |
| 1.4.5.0 | Multimedia for Teaching Purpose | 32 |
| 1.4.5.1 | Scenario of Use of Multimedia in Educational Institutions | 33 |
| 1.4.6 | Importance of Multimedia for Teaching Geography | 34 |
| 1.4.7 | Multimedia Packages in Teaching Geography | 35 |
| 1.5.0 | RATIONALE OF THE STUDY | 37 |
| 1.6.0 | RESEARCH QUESTIONS | 41 |
| 1.7.0 | STATEMENT OF THE PROBLEM | 41 |
| 1.8.0 | OBJECTIVES OF THE STUDY | 42 |
| 1.9.0 | HYPOTHESIS | 42 |
| 1.10.0 | DEFINITION OF TERMS | 42 |
| 1.11.0 | OPERATIONAL DEFINITION OF TERMS | 43 |
| 1.12.0 | DELIMITATION OF THE STUDY | 43 |
| 1.13.0 | SCHEME OF CHAPTERIZATIONS | 43 |
| | | |
| | | |
| | CHAPTER II : REVIEW OF RELATED LITERATURE | 45-107 |
| 2.0.0 | INTRODUCTION | 45 |
| 2.1.0 | REVIEW OF THE RELATED LITERATURE CONDUCTED IN INDIA | 46 |
| 2.1.1 | Researches on Teaching Geography and Social Science | 46 |
| 2.1.2 | Researches on Computer Based Multimedia Package and | 60 |
| est of the | /or CAI for Teaching-Learning | |
| 2.1.3 | Researches Conducted in Geography Related to | 74 |
| | Multimedia Package and/ or CAI | |
| 2.1.4.0 | Observations from the Studies Conducted in India | 76 |

| 2.1.4.1 | Observations of Researches from Indian Studies in the Area | 76 |
|---------|--|---------|
| | of Geography. | |
| 2.1.4.2 | Observations of Researches from Indian Studies Related to | 79 |
| | CAI and /or Multimedia Package | |
| 2.2.0 | REVIEW OF THE RELATED LITERATURE | 81 |
| | CONDUCTED ABROAD | |
| 2.2.1 | Researches on Teaching Social Science and / or | 81 |
| | Geography | |
| 2.2.2 | Studies in the Area of Computer Based Multimedia | 84 |
| | Package and / or CAI | |
| 2.2.3 | Researches on Teaching Geography Through Multimedia | 99 |
| | Package and / or CAI | |
| 2.2.4.0 | Observations from Researches from Abroad | 102 |
| 2.2.4.1 | Observations of Researches in the Area of Geography | 102 |
| | Conducted Abroad | |
| 2.2.4.2 | Observations of Researches in the Area of Computer Based | 103 |
| | Multimedia Package and/or CAI Conducted Abroad. | |
| 2.3.0 | IMPLICATION OF REVIEW OF RELATED STUDIES | 106 |
| | FOR THE PRESENT STUDY | |
| | | |
| | CHAPTER III: METHODOLOGY | 108-120 |
| 3.0.0 | INTRODUCTION | 108 |
| 3.1.0 | OBJECTIVES OF THE STUDY | 108 |
| 3.2.0 | HYPOTHESIS OF THE STUDY | 109 |
| 3.3.0 | METHODOLOGY | 109 |
| 3.3.1 | Design of the Study | 109 |
| 3.3.2 | Population of the Study | 110 |
| 3.3.3 | Sample of the Study | 110 |
| 3.3.4 | Tools for Data Collection | 111 |
| 3.3.4.1 | Achievement Test | 111 |

| 3.3.4.2 | Reaction Scale | 112 |
|---------|--|---------|
| 3.3.5 | Development of Multimedia Package | 112 |
| 3.3.5.1 | Planning and Analysis of Content | 113 |
| 3.3.5.2 | Drafting Script and Voice Recording | 113 |
| 3.3.5.3 | Development of Video Features (Story Boarding and | 114 |
| | Designing Phase) | |
| 3.3.5.4 | Assembling the Features with Audio, Text Graphics and | 114 |
| | Animation i.e. (Production) | |
| 3.3.5.5 | Validation of Multimedia Package | 116 |
| 3.3.5.6 | Tryout of the Multimedia Package | 116 |
| 3.3.6 | Procedure of Data Collection | 116 |
| 3.3.6.1 | Phase-1: Pre-Testing | 116 |
| 3.3.6.2 | Phase-II: Implementation of Multimedia Package | 117 |
| 3.3.6.3 | Phase-III: Post-Testing | 121 |
| 3.3.7 | Procedure of Data Analysis | 121 |
| | CITA DEPEND IN . DATEA ANIAT VOIC INTERDIDIDET ATTACK | 122 120 |
| | CHAPTER IV: DATA ANALYSIS, INTERPRETATION | 122-139 |
| 400 | AND DISCUSSION | 122 |
| 4.0.0 | INTRODUCTION | 122 |
| 4.1.0 | ACHIEVEMENT OF EXPERIMENTAL AND CONTROL GROUP IN GEOGRAPHY | 123 |
| 4.2.0 | REACTION OF STUDENTS TOWARDS DEVELOPED | 126 |
| | MULTIMEDIA PACKAGE | |
| 4.3.0 | MAJOR FINDINGS OF THE STUDY | 135 |
| 4.4.0 | DISCUSSION | 136 |
| 4.5.0 | SUGGESTIONS FOR FURTHER RESEARCH | 138 |
| | CHAPTER V: SUMMARY | 140-154 |
| 5.0.0 | INTRODUCTION | 140 |
| 5.1.0 | RATIONALE | 142 |
| | | |

viii

| | Appendices | 173-199 |
|--------|--------------------------------------|---------|
| | Bibliography | 155-172 |
| 5.12.0 | CONCLUSION | 153 |
| 5.11.0 | SUGGESTIONS FOR THE FURTHER RESEARCH | 152 |
| 5.10.0 | MAJOR FINDINGS OF THE STUDY | 152 |
| 5.9.6 | Procedure of Data Analysis | 151 |
| 5.9.5 | Procedure of Data Collection | 150 |
| 5.9.4 | Development of Multimedia Package | 149 |
| 5.9.3 | Tools for Data Collection | 149 |
| 5.9.2 | Sample | 148 |
| 5.9.1 | Population | 148 |
| 5.9.0 | METHODOLOGY | 148 |
| 5.8.0 | DELIMITATION OF THE STUDY | 147 |
| 5.7.0 | OPERATIONAL DEFINITION OF TERMS | 147 |
| 5.6.0 | DEFINITION OF TERMS | 147 |
| 5.5.0 | HYPOTHESIS | 146 |
| 5.4.0 | OBJECTIVES OF THE STUDY | 146 |
| 5.3.0 | STATEMENT OF THE PROBLEM | 146 |
| 5.2.0 | RESEARCH QUESTIONS | 146 |