CONTENTS

ABSTRACT

CHAPTER 1. INTRODUCTION 1-12

1.1 Over view of the study 1
1.2. Statement of the problem 5
1.3 Objective of the study 7
1.4 Scope & limitation of the study 7
1.5 Need for the study 10
1.6 Significance of the study 10
1.7 Organization of the study 11

CHAPTER 2. INFORMATION TECHNOLOGY & S&T LIBRARIES 13-35

2.1 Information Technology 13
2.2 Internet 14
2.3 World wide web 16
2.4 Libraries of Science & Technology organizations 18
2.5 Use of Information Technology in S&T libraries 27
CHAPTER 3. REVIEW OF THE RELATED LITERATURE

3.1. An overview

3.2 Basic Goal of S&T Libraries

3.2.1 Information Systems in S&T Library

3.2.2 Management process in a S&T library

3.2.3 Cultural diversity and dynamics of Change in the Management of
A S&T Library

3.2.4 Application of IT in S&T Libraries

3.3 System Approach

3.3.1 System Analysis

3.3.2 SWOT Analysis

3.3.4 Concept of change management

3.3.5 Use of IT in S&T Libraries

3.3.6 Socio-Cultural Environment

3.3.7 The Technological Environment

3.4 Factors of Success and Failure of IT Application in S&T libraries

3.5 Structure of a computer-Information System (IS)

CHAPTER 4. CONCEPTUAL FRAME, DERIVATION OF HYPOTHESIS

& CRITERIA FOR EVALUATION.

4.1 Assumption

4.2 Variables

4.3 The Basic Frame of the Study

4.4 Derivation of Null Hypothesis
CHAPTER 5. RESEARCH DESIGN

5.1. Nature of the study
5.2. The Basic Frame of the Study
5.3. Research Design
5.4. Sampling Techniques
5.5. Construction of Scale
5.6. Reliability & Validity
5.7. Procedures

CHAPTER 6. ORGANIZATIONAL STUDY

6.1. Overview
6.2. Resources Data Matrix
6.3. Brief Description of the Library Systems of the individual Libraries
   Group - I Libraries of International S&T organization in Delhi
Group - II  National level Libraries and Documentation Centers

Group - III  Libraries of University level Institutions of National Importance

Group - IV  Deemed University level Institutions in the field of S&T

Group - V  Libraries of S&T Department etc. Of Central universities

Group - VI  Deemed University level Institutions in the field of Agriculture & Pharmacy

Group - VII  Guru Govind Singh Indraprasth University (GGS IP) and its Affiliated Privately managed S&T Academic Institutions in Delhi

Group - VIII  Libraries of Central universities specialized in Media & Communication Technology

Group - IX  Libraries of some Government funded organizations in the field of S&T

Group - X  Libraries of DRDO Institutions in the field of S&T

Group - XI  Libraries of CSIR Institutions in the field of S&T

Group - XII  Libraries of ICAR Institutions in the field of S&T

Group - XIII  Libraries of ICMR Institutions in the field of S&T

Group - XIV  Libraries of OTHER Institutions in the field of S&T

Group - IX  Libraries of Academy & Associations

5.4 General Information about Library Systems