4.0 INTRODUCTION

In this chapter the objectives of the study, Hypotheses, Methodology adapted, Data Collection, Sampling, Pilot Study, Construction of Questionnaire, Components of Questionnaire, Data Processing, Frame work of analysis, concepts, and limitations of the study are discussed.

4.1 OBJECTIVES

The objectives formulated for the present investigation, with particular reference to management institute libraries in Tamil Nadu, are:

1. To find out difference in the library management systems among the management institute libraries in Tamil Nadu, if any.
2. To find out difference in existing library resources among the management institute libraries in Tamil Nadu, if any.
3. To find out difference in the information and communication technology facilities and services provided among the management institute libraries in Tamil Nadu, if any.
4. To find out difference in existing Resource Sharing and Networking facilities among the Management Institute Libraries in Tamil Nadu, if any.
4.2 HYPOTHESES

The investigator has formulated the following hypotheses, keeping the content and coverage of the framed objectives.

1. There is significant difference in the library management systems among the management institute libraries in Tamilnadu.

2. There is significant difference in the existing library resources among the management institute libraries in Tamilnadu.

3. There is significant difference in the information and communication technology facilities and services provided among the management institute libraries in Tamilnadu.

4. There is significant difference in the existing Resource Sharing and Networking facilities among the Management Institute Libraries in Tamil Nadu.

4.3 METHODOLOGY ADOPTED

Survey method which suits the gathering of evidence relating to the current conditions was adopted to carry out the present study. Survey has undoubtedly been the most popular and the most widely used Research method. The survey is often the only way through which opinions, interests, suggestions, and other such data can be obtained. The survey method gathers data from a large number of cases at a time with less cost. It can gather information and facts from the entire population too, if required. The investigator has adopted survey method and questionnaire technique to collect data for the present study.
4.4 DATA COLLECTION

Present study employs questionnaire technique for the collection of data as this is found suitable for gathering data from a large number of units/respondents representing a specific population as in large number of other studies. The data were collected from the institutes by both in person and post.

4.5. SAMPLING

There were 225 Management institutes in-total in Tamil Nadu at the time of the start of the study. The structured questionnaire was distributed to all the librarians of 225 Management Institutes either in person or by post. Out of the 225 institutes only 126 institutes responded and hence these institutes constitute the sample for the present study.

Table 4.1: Distribution of Management Institute in Tamil Nadu According to their Type of Management

<table>
<thead>
<tr>
<th>S. No</th>
<th>Nature of Ownership</th>
<th>Total No. of Institutions</th>
<th>Sample Institutions</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Government</td>
<td>15</td>
<td>10</td>
<td>7.94%</td>
</tr>
<tr>
<td>2</td>
<td>Aided</td>
<td>22</td>
<td>8</td>
<td>6.35%</td>
</tr>
<tr>
<td>3</td>
<td>Self-Financing</td>
<td>188</td>
<td>108</td>
<td>85.71%</td>
</tr>
<tr>
<td></td>
<td>TOTAL</td>
<td>225</td>
<td>126</td>
<td>100%</td>
</tr>
</tbody>
</table>

The researcher has grouped the selected institutions on the basis of their Type of Management as Government, Aided, and Self-Financing Management Institutes. The details have been presented in the above Table 4.1.
4.6 PILOT STUDY

Copies of the questionnaire were distributed to few management Institute Librarians and informations were was collected. The investigator collected preliminary informations through a pilot study which was undertaken in keeping the objectives of the present study.

4.7 CONSTRUCTION OF THE QUESTIONNAIRE

Questionnaire is defined as `a systematic compilation of large number of questions in order to elucidate the responses regarding to a particular cause. Based on the above a questionnaire with 42 core items meant for the management institute libraries has been prepared in consultation with my guide and Few Management Institute Librarians, and modified into a 39 core items with additions and omissions on the basis of pilot study to suite the management institute libraries environment. The final questionnaire distributed to the respondents has been given in the Appendix - I.

4.8 COMPONENTS OF THE QUESTIONNAIRE

The first part of questionnaires brings out the name of the institution, address of the institute, year of establishment, affiliated to which university, type of management, institute attached and personnel strength of management department.
The second part consists of questions relating to whether the institute has separate library, administration of library, working hours, classification system followed, catalogue method, number of persons visited the library per day and access system followed.

The third part consists of questions relating to total exiting library collection like text books, reference books, national journals, international journals, national magazines, International magazines, national dailies, international dailies, periodical back volumes, project reports, theses, case materials, audio cassettes, video cassettes, compact discs, floppy discs, online journals and databases, specialization-wise strength of library book collections, and specialization-wise strength of currently subscribed periodicals.

The fourth part of the questionnaire consists of automation details, automated software, circulation system, telecommunication facilities, network topology, type of network, internet connection, type of internet connection and reprographic services.

The fifth and the final part consist of questions relating to resource sharing and networking facilities offered by the management institute libraries.

4.9 DATA PROCESSING

After the completion of the data collection, the filled up questionnaires were scrutinized for completion and coding was carried out. After coding, the data were fed into computer and database was created. From the database, the required tables were prepared for further analysis using MS Excel and the
analyses were carried out with the help of MS Excel Data Analysis and SPSS software.

4.10 FRAME WORK OF ANALYSIS

The analysis part employed suitable statistical techniques to the data collected and tabulated. Testing of the hypotheses has been carried out with suitable statistical tools. The MS Excel Data Analysis and SPSS software package have been used for the data manipulation. Cross tabulation is made representing the independent variable namely Type of Management.

4.11 STATISTICAL TOOLS USED FOR THE PRESENT STUDY

The following are the statistical tools have been used in the present study.

1. Percentage scores
2. F-ratio
3. Chi Square Test
4. Ranking

4.12 CONCEPTS

The following concepts are operationally defined for the purpose of the present study.

4.12.1 Government Institutes

It denotes the Management Institutes in Tamil Nadu which are governed by government. The government institutes includes Management department
4.12.2 Aided Institutes

It denotes the Management Institutes in Tamil Nadu which are governed by private but funded by the government. The Aided institutes includes Management department attached to universities, management department attached to engineering colleges, management department attached to arts and science colleges and management stand alone institutes.

4.12.3 Self-Financing Institutes

It denotes the Management Institutes in Tamil Nadu which are governed by private bodies. The Self-Financing institutes includes Management department attached to universities, management department attached to engineering colleges, management department attached to arts and science colleges and management stand alone institutes.

4.13 LIMITATIONS OF THE STUDY

Though the study has been carried out with out most care, it has its own limitations which are beyond the control of the investigator and they are:

1. The findings of the study are applicable to the libraries of management institutes in Tamil Nadu and it may or may not be applicable for the management institute libraries of other states.
2. The questionnaire has been administered only to the librarians of management institutes in Tamil Nadu and hence the user satisfaction and the level of utility values of library materials could not be assessed.

3. The present work is an in-depth study of the management systems, resources, facilities, and services for resource sharing and networking among the management institute libraries in Tamil Nadu. Hence, this study has been undertaken with certain degree of caution in order to control the unforeseen intervening variables.