CHAPTER 3

METHODOLOGY

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METHODOLOGY

The present study paying attention on use of electronic resources in central university libraries in Uttar Pradesh and Delhi: A comparative study. The study centered on the use of electronic resources by the research scholars of the selected central universities.

The methodology adapted for the study is described under the following subheadings; sample used for the study, sources of data; research instruments; data collection procedure used.

3.1 Sample used for the study

There are four central universities in Delhi i.e. University of Delhi, Jawaharlal Nehru University, Jamia Millia Islamia and Indira Gandhi National Open University. There are four central universities in Uttar Pradesh i.e. University of Allahabad, Aligarh Muslim University, Banaras Hindu University and Baba Saheb Bhim Rao Ambedkar University.

Out of four central universities in Delhi three universities have taken under consideration IGNOU is omitted out because of its distance learning mode.

Out of four central universities in Uttar Pradesh three universities have taken under consideration BBRAU is omitted out because of its low student strength.

For this reason it was decided to concentrate on remaining six central universities of which three from Delhi and three from Uttar Pradesh.

It was hoped that from the data collected it would be possible for analyzing the use of electronic resources in central university libraries in Uttar Pradesh and Delhi: A comparative study.

Therefore, this study was based on the data collected from the Central Libraries that are working under the jurisdictions of the six central universities that are:
1. Jamia Millia Islamia University
2. Jawaharlal Nehru University
3. University of Delhi
4. Aligarh Muslim University
5. Banaras Hindu University
6. University of Allahabad

The data was collected during the period of 2012-13. For the purpose of getting required information, Research Scholars (PhD students) were selected because they acquired more skills for using electronic information than that of Under Graduates and Post Graduates. The details of Research Scholars (PhD students) were collected from the concerned universities.

Details of Research Scholars (PhD students) university wise are given below:

<table>
<thead>
<tr>
<th>University</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jamia Millia Islamia University</td>
<td>1703</td>
</tr>
<tr>
<td>Jawaharlal Nehru University</td>
<td>2183</td>
</tr>
<tr>
<td>University of Delhi</td>
<td>3499</td>
</tr>
<tr>
<td>Aligarh Muslim University</td>
<td>2308</td>
</tr>
<tr>
<td>Banaras Hindu University</td>
<td>2318</td>
</tr>
<tr>
<td>University of Allahabad</td>
<td>1648</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>13659</strong></td>
</tr>
</tbody>
</table>

So the population size was **13659**

Random population size number selected was 1365.

Completely filled 1200 questionnaires selected for analysis.
3.2 Categorized distribution of sample size

![Diagram showing sample size distribution]

3.3 Sample population

<table>
<thead>
<tr>
<th>Category</th>
<th>Respondent</th>
<th>Questionnaire Distributed</th>
<th>Questionnaire Returned</th>
<th>Response rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research Scholars (PhD students)</td>
<td>1200</td>
<td>1365</td>
<td>1265</td>
<td>92.67%</td>
</tr>
</tbody>
</table>

Table shows that out of 1365 questionnaires distributed and 1265 questionnaires were returned but 65 were found to be invalid; they were incomplete and thus rejected from the ultimate sample. A completely filled 1200 questionnaires were formed the sample for the study.
3.4 Source of data

Both primary and secondary data were collected for the presented study. Primary data were collected through questionnaire administered to research scholars (PhD students) of selected central universities. Besides this, for personal observation, the investigator visited libraries and discussion were made with the librarian, students and research scholars (PhD students) of central universities under study.

The secondary data’s were collected from the central universities’ websites.

3.5 Research instruments

Instrument used in the study is questionnaire. Questionnaire designed contained some questions for which modern form of Likert’s scale has been developed with the help of senior teachers in faculty of social sciences and percentage method has been used for analysis of data.

3.5.1. Collection of data through questionnaires

This method of data collection is quite popular, particularly in case of big enquiries. It is being adopted by private individuals, research workers, private and public organizations and even by governments. In this method a questionnaire is sent (usually by post) to the persons concerned with a request to answer the questions and return the questionnaire. A questionnaire consists of a number of questions printed or typed in a definite order on a form or set of forms. The questionnaire is mailed to respondents who are expected to read and understand the questions and write down the reply in the space meant for the purpose in the questionnaire itself. The respondents have to answer the questions on their own. (Kothari, 2004).

3.6 Data collection procedure

For final data collection, the questionnaires were hand delivered to 1365. respondents selected for the study
Necessary discussions were made with them and some of them asked more time to fill the questionnaires and self-addressed stamped envelopes were given for them. Some respondents sent back the questionnaires in time. The investigator could collect only 92.67% of the distributed questionnaires.

3.7 Variable used for the study

A concept which can take on different quantitative values is called a variable. The variables used in the study can be grouped into two that is classificatory variables and study variables.

3.7.1. Classificatory Variables

a. Research Scholars (PhD students)

3.7.2. Study Variables

a. Frequency of use.

b. Present library use

c. Familiarity with the sources

d. Awareness of the e-resources

e. Extent of use of electronic resources and print materials

f. Familiarity with the top seven electronic resources

g. Evaluation of e-resources

h. Trustworthiness of information

i. Information purchased

References: