Chapter 4

Methodology
METHODOLOGY

This chapter deals with the methodology used in the study and has been discussed under the following headings:

- Statement of the problem
- Objectives of the study
- Hypotheses
- Tools used for study
- Sample population
- Variable taken
- Data collection procedure
- Data analysis method

Statement of the problem: The problem assigned for the present study is entitled "ICT Skills And Attitudes Of Library Professionals of Jamia Millia Islamia, Delhi". The present study was conducted to assess how far the library professionals have been able to be abreast of the advances in information communication technologies, their professional development activities, whether their education in library and information science has helped them in handling the latest technologies and their need for further education and training in the profession.
Objectives:

- To assess the infrastructure facilities in Jamia Millia Islamia, Delhi.
- To evaluate the professional development activities of Library professionals.
- To study whether ICT has influenced professional development.
- To study the attitudes of library professionals towards continuing education programmes.
- To study whether ICT has influenced the educational and information needs of library professionals.
- To study whether library science education has helped to attain necessary skills for library professionals.
- To suggest topics to be included in library science curriculum.
- To assess the ICT skills and expertise of library professionals.
- To evaluate the attitude of library professionals towards the application of ICT in University library.
- To study the problems faced by library professionals in the effective use of ICT applications.
- To recommend methods for improving the knowledge/skills of library professionals.
Hypothesis:

- Most of the professionals have enrolled for higher studies after entering the library profession.
- Most of the professionals have acquired additional degree/diploma/certificate in IT after entering the library profession.
- Most of the library professionals attend CEP to get trained in the latest technologies.
- Most of the professionals prefer internet sources to support their educational and information needs.
- Most of the professionals suggest revising curriculum of library and information science courses.
- Library professionals have the opinion that their education in LIS has helped in getting most of the ICT skills.
- Most of the library professionals are aware/skilled in ICT based applications and services.
- Most of library professionals use the web tools frequently.
- LIBSYS is the most common software known to majority of library professionals.
- Most of the library professionals show a positive attitude towards the application of ICT in their library.
METHODOLOGY:

Methodology has its own importance in scientific investigation because objectivity in any research investigation can not be obtained unless it is carried out in a systematic and planned way. Scientific investigation involves careful and proper adoption of research design, use of standardized tools and tests, identifying adequate sample by using appropriate sampling techniques, appropriate methods for collecting data and the use of appropriate statistical techniques for analyzing the data.

Tools Used For Data Collection- For the present study the investigator used questionnaire method along with interview method and observation method to collect data.

Sample population – The present study is conducted on a sample of 50 professionals taken from different libraries of Jamia Millia Islamia, Delhi. A total number of 60 questionnaires were distributed among the library professionals of Jamia Millia Islamia out of which 50 filled questionnaire were returned back. Thus investigator selected 50 questionnaires for analysis of data. The total number of 50 questionnaires were filled up by the professionals in the presence of investigator and some of them were filled up by investigator on the basis of information obtained through interview of the professionals.

Variables taken – For the achievement of the objectives of the study,
library professionals of the Central Library, Faculty Libraries and Centre Libraries of Jamia Millia Islamia, Delhi were taken as variables. Moreover, the professionals who were not having any degree or certificate in LIS were omitted from the study as it was realized in initial interaction with them that they were not knowledgeable about ICT.

**Data collection procedure:** For the present study the investigator visited Jamia Millia Islamia with the permission of librarian. The investigator observed all the services of the library and interviewed with the staff to collect the required data. Questionnaires were distributed among the professionals and filled questionnaires were collected on the same day or after two or three days.

**Data analyses method:** Data collected through the questionnaire method were organized and tabulated by using statistical method and the data was analyzed by using percentage method.