Research Methodology

The research is both qualitative and quantitative in its nature. The qualitative approach applies to both, descriptive and inductive forms of research. While as in case of quantitative approach, an extensive use will be made of the literature available to carry out a detail research on the nature of the problem. Library contribution is much in the achievement of academic institutional goals and objectives in teaching and services. To find out these functions library staff play an important role. The faculties and students are users of the academic library towards whom all the services are directed. Research methodology is techniques refer to the methods, the researchers use in performing research operations.

Descriptive Method of Research: Descriptive approach is adopted for this study. The research method used for this study is survey as data is collect systematically through the observations. It includes fact and surveys to find out inquiries of different kinds. Its main purpose is descriptions of affairs and state as it exist at present. It is a method of investigation which based on surveys. The main characteristic of this type of research are data collection and interpretation. Descriptive type of research is used in social science and economic surveys, because library and information science is a part of social sciences, so it adopted by library and information science.

Survey Techniques for Data collection: The collection of data form primary and secondary sources was presented in the form of descriptive method. This method is applied in order to check library and information science system. The survey of library is used to collect information about facts of libraries. In the same way the surveys of library are systematic in depth examination of libraries, library information resources and services, automation system software, internet, and networking of libraries. To collect information about various facts of library community the survey of the reader made intelligent decision about planning, development and conduct of services. A survey, interview and observation methods will be used for data collection. For this research the primary data will collected through interview technique and observation methods of College of Education libraries through personal visit. The secondary sources of data will collection include journals articles, books, annual reports and internet.

Questionnaire Tools of Data Collection: A questionnaire survey will be conducted to collect primary information. For the present study, the data collecting instrument will Questionnaire. For
the purpose of the study, the researcher in consultation with the supervisor will develop a comprehensive and structured questionnaire. The study will regard Information Technology development for library resources and services. Most of the questions in the questionnaire will be of objective type in which the user will ask to choose the correct option. Valid and reliable information will be collected, so that the specific research question is answered. The construction of the questionnaire will be based on general information, infrastructure, library staff, library collection and facilities, origination of library automation, library software and internet, resources sharing through networking, digital library, information resources and services.

1. The researcher will circulate questionnaire and collect the exact primary data information regarding a particular College of Education Libraries.

2. Observation will also be done in the College of Education Libraries to get the correct information.

3. For collecting secondary sources of data literature survey will also be done for getting the information about research done in the field.

Data Analysis: The data will be collected from various College of Education Libraries in Haryana and analysis will be done by using MS EXCEL software and SPSS software viz. The analysis of the data is shown in various tables, charts and diagrams.

Work of Plan

Chapter 1: Introduction: The Chapter 1 deals with introduction. It includes justification in present era, Significance of the study, Statement of problem, Objectives of the study, Hypothesis of the study, Scope and Limitations of the Study, Research Methodology, Collection of Data and Treatment.

Chapter 2: Review of Literature: The Chapter 2 deals with review of literature, the research articles of national and international reputed researcher will review in this chapter.

Chapter 3: Role of Libraries in College of Education: The Chapter 3 indicates the concept and definition of education as well library. It also deals with the importance of library in College of Education, services, function, objective, user community and information sources and services. And also there are including National Council of Teacher Education.
Chapter 4: Use of Information Technology Component in Library: The Chapter 4 describes the use of information technology component like Origination of Library Automation, Library Software and Internet, Resources sharing through Networking and Library Digitalization are helpful for the development of information resources and services in library. I want to show light its need, importance, modern concept and effect on library. Current status and future needs of IT.

Chapter 5: Information Resources and Services: The Chapter 5 describes the modern concept of information resources and services in present information era. Libraries have already transformed themselves from delivering traditional library resources and services to the technology based library resources and services.

Chapter 6: Data Analysis: The Chapter 6 deals with the analysis of presentation of collected data through 51 questionnaires are carried out as percentage analysis of each questions and sub questions in tabulation form.

Chapter 7: Conclusions and Suggestions: The Chapter 7 contains Findings, Conclusions and Suggestions on the basis of collected data that are describe in detail and suggestions are also mentioned in this chapter.