



## STUDY THE USE OF MODERN TECHNOLOGY IN DIFFERENT TYPES OF RESEARCH

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### ABSTRACT

Modern technology is being used in research field. Modern technology has made lots of change and improvement in almost all walks of life. For increasing quality of research, use of modern technology is must. Everyday work of research involves such activities as writing proposals, developing theoretical models, designing experiments and collecting data, analyzing data, studying research literature, writing articles the modern technology has important effects on all these activities. Researchers cannot work without access to collaborators, to instruments, to information sources and sometimes to distant computers.

**KEYWORDS:** Modern technology , collecting data, analyzing data, studying research literature.

### 1) INTRODUCTION: -

Modern technology and communication network are increasingly necessary for that research. It means the development of modern technology has made great changes in all research. Use of modern technological advancement in the research has changed the role of researcher. The use of internet, e-journals, e-books has created a new source of information to the researcher. Their features attract the researcher to seek information from these media. In this way there modern technology made greater impact on the research. So paper focuses the need of modern technology, use to modern technology, barriers in technology and so on.

### II) OBJECTIVES OF THE STUDY: -

- 1) To understand the need of modern technology in research.
- 2) To study the use of modern technologies in research.
- 3) To study the impact of modern technology in research.

### III) TYPES OF MODERN TECHNOLOGY:-

Modern technology has been defined by various scholars from different perspectives. There are so many modern technologies are used in the different types of research i.e. electronic mail, e-books, e-journals, video conference, television, fax, telephone intercom, LCD projector etc. discuss.

#### 1) Internet: -

Researcher search online for any kind of updates on the topic of their area of interest, whereas huge information is uploaded on internet. Internet has many resources which we surf on daily basis.

**2) e-mail: -**

Using e-mail as a research tool potentially offers researchers many advantages. Use of e-mail becomes more widespread and the problem of limited coverage. The rapid permeation of new modern technologies throughout researcher has seen the emergence of e-mail as an increasingly pervasive means of communication.

**3) E-Journals: -**

Electronic journals are gaining more importance in the research. With the rapid development of E-Journals the libraries providing access of various e-journals resources for the researcher in electronic form. Most of these electronic journals are now providing a lot of useful linking facilities to the researchers.

**4) E-books: -**

It is one of the most important modern content available for the researchers in electronic form. In e-books system the book that is in digital form to be displayed on the computer screen. It is read on all types of computers as well as android mobiles.

**5) Computer:-**

Increased use of computers for research. This trend coincides with large and continued in the speed and power. With the help of computer dramatic increases in the amount of information researcher can store and analyze. The creation of new families of instruments in which computer control and data processing are the core of observations. The computer integrates and converts masses of data into three-dimensional images.

**6) Video conference: -**

Sometimes the researchers cannot work without distant computers. Computers and communication networks are necessary for video conference. The video conference saving the researcher time and money this also eliminates any errors introduced through incorrect transcription.

**7) E-questionnaires: -**

In 21<sup>st</sup> century researchers in quantitative study used the way of e-questionnaires for collection of data related to research. Aside from seemingly higher response rates. E-questionnaires have other inherent advantages. E-questionnaires cost considerably less to researcher, both in terms of money and time. It is also possible to send the same e-mail to multiple addresses in one action.

In addition to that there are so many modern technologies are available for the research such as hypothesis testing software, LCD projector, modems, satellite, fax machine, radio, CD-Rom, DVD-Rom, online databases, online public access catalogues, websites etc.

**IV) Findings of modern technologies: -**

There are so many findings of the modern technologies in respect of research are as follows.

- 1) It is available for 24 hours in a day, 7 days in a week and 365 days in a year.
- 2) It is available as soon or even before the print version is published.
- 3) Modern technology save time and money as well as printing and mailing costs.
- 4) It is useful to quick delivery of information from one place to another place.
- 5) It is useful for economy in maintenance & not limit to fair use of information.

**V) Challenges in use of modern technology: -**

There are so many challenges faced by the researcher during the time research.

- 1) It was suffer from Lack of user education programs.
- 2) Inadequate knowledge of modern technology.

- 3) It was also suffer from lack of funds and lack of network policy.
- 4) It is suffer from increasing in the cost of research.

**VI) CONCLUSION: -**

21<sup>st</sup> century has been the century of information explosion. The interdisciplinary research and multi disciplinary research has led to creation of new ideas, new knowledge and unprecedented growth in information. The proliferation of modern technology along with the increasing easy of carrying internet based research suggest that the use of modern technology are likely to increase in popularity in the near future in quantitative as well as qualitative studies, but every researcher should not acquire the knowledge the using modern technology. So there should be get wide varied user education programs to researchers for maximum utilization of modern technology. Otherwise the present modern technology can only be considered a valid alternative to traditional techniques for research.

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