Chapter -6 Major Findings of this study

6.1. Introduction

The present study was, undertaken to clarify the utility of Information Technology (IT) for current academic affairs and effective rehabilitation of physical and mentally challenged people. The major finding of this study after analyzing the data collected were as follows:

6.2. Findings of Research Work

1. **Unavailability of resources:** During study it was found that, there was lack of resources, which included financial, instrumental, managerial, qualified personal and oriented learner.

2. **Lack of information:** It was observed that what are the tools and technology were available which could help them to make their task of education and rehabilitation, in other word many tools and techniques are available but these people did not know.
3. **Cost:** Although tools and technology was available in market, they were very costly for individual and also for institutional.

4. **Unsuitable to our condition:** Although many technology were available in foreign countries, they were not suitable to our Indian condition.

5. **Language problem:** Most of the tools are supporting English like language.

6. **Orientation of student:** To use information technology, in other words they were not oriented to this new technology.

7. **Management approach:** Management approach to upgrade and proper implementation was not very much positive.

8. **Manpower:** There was no availability of trained personnel for this type of work.

9. **Financial condition:** Financial condition of institution/organization was not enough sound.

10. **Institutional setup:** There was not comfortable environment and setup for using this new technology.
11. **Internal politics:** This was one of the major factors which is affecting a successful implementation of technology.

### 6.3. Recommendation

1. Enough resources should be available to the institution for the use of these information technologies.

2. Through proper channel, information regarding new tools and technology available for physically and mentally challenged people should be spread out.

3. Low cost devices should be developed, government should provide financial support (subsidy) to individual/institution.

4. All this technology should be developed with reference to Indian situation.

5. Application/tools should be developed in local language.

6. At the beginning of term student, should be mentally for the use of this technology.

7. Management must have positive approach for using this information technology.

8. According to requirement, a proper training should be given.
9. Government should provide sufficient grant for such innovative program.

10. Positive and encouraging environment should be built up in the institute/organization.

11. Minimize the internal politics which may be hindering the use of information technology.

6.4. Difficulty in implementation and usage of technology for disabled

Most people with disabilities are poor, not very educated, are very isolated in remote areas. Many people with disabilities do not have their own computer, they also meet barriers of language, so it’s hard to access and use Information Technology (IT) even though there is Internet in the rural parts of town. For organizations of people with disabilities in community, providing computers for use also remains a challenge. The use of computers is difficult for people who are blind or mentally disabled people. They need a separate software program for support. At the same time, they should have appropriate school supplies to suit their disability. Software for visually impaired people should be completely clear to listen in their native language.

Devices, such as computers, have assisted people with disabilities who have difficulties in speaking, guide smart-sticks for visually
impaired and blind people, and signals for deaf people (which are rare for PWDs in the developing countries). For teachers, they need to know educational material to appropriately teach each type of disability.

6.5. Solutions

1. Raising awareness and proficiency for people with disabilities. The government should continue IT support programs for people with disabilities in their own language. At the same time, Persons With Disabilities (PWDs) should know foreign languages (e.g. English) to be able to access information on the Internet.

2. Support and provide people with disabilities who are poor or in remote areas with information technology learning facilities and computers.

3. Organizing academic support programs, improving information technology for disabled people exchanging programs, consisting of information technology contests, and exchanging cultural and social programs between countries in the region and the world.

4. Support for blind people software installed in cell phones.
5. Development software, school supplies, teaching aids, as well as teaching computers aided for the blind and people with intellectual and other disabilities.

6. Development of computer software as well as support for blind people.

According to the needs of Persons With Disabilities (PWDs) on information technology, the orientation of the government in the coming years in support people with disabilities:

1. Develop system policies and standards that support people with disabilities to access and use information through IT and communications.

2. Research to develop technology to support people with disabilities to access and use information through IT and communication.

3. Support training and professional orientation programmes in the field of IT and communications for people with disabilities.

4. Develop the information content for people with disabilities.
5. Maintain the portal/websites that support people with disabilities.

6. International cooperation in the field of access to IT and communications for people with disabilities

6.6. Usefulness of this study

Why was this research study undertaken? Following usefulness may be mentioned.

1. It will indicate present status of use of information technology for the physically and mentally challenged people.
2. It will be useful in improving recent usages of the technology for the physically and mentally challenged people.
3. It will be useful to create awareness for using information technology for the physically and mentally challenged people.
4. It will provide a new direction in using this technology for the physically and mentally challenged people for better education and effective rehabilitation.

Looking over above given points, these usefulness of this study, it can said that this research work is intended to suggest software/hardware/ firmware tools for physically and mentally challenged people to enhance their working ability and help them in
knowledge acquisition and effective rehabilitation. The end result will be qualitative improvement in their life which will be more graceful and dignified as well.

6.7. Limitations of this research study

Although this research study is conducted by using all the rules of scientific investigation, it is quite possible that there may be some limitations of this study. Here the researcher has mentioned few limitations of this study.

1. This situation was delimited to the subjects of Gujarat state only. Hence the situation of other states and India was not known to the researcher.

2. Primarily this study was focused on a few institutions of Gujarat. Responses were collected through written responses. We visited the institutes, most of the institutes for a few hours. To know the inner realities, one must stay in institute longer period to know the impact and influence of this information technology on their education and rehabilitation.

3. Data collected were mostly quantities type. Researcher has not included qualitative aspect: i.e. What happen in the life of individual handicap because of using this information technology in education and rehabilitation?
Researcher was quite aware with these limitations of this study, but at the same time researcher knows that this is not the last or final study of these issues. In review of literature, we already mentioned earlier studies conducted by our predecessors. Here on the basis of this study, we wish to indicate some topics for future study.

6.8. Suggestion for further Study

Looking to future need for further study, we have suggested some topics for future exploration.

1. There should be All India level study can be undertaken how this information technology really helps to people with disability.

2. A special study focused on disabled females/girls to know how this information technology can be helpful to their life.

3. A special detail study should be undertaken for individual categories of physically challenged people to find out how this information technology can useful to them.

4. There is possibility that one may take experimental study focused on physically challenged person and its relation to education and rehabilitation.
6.9. Conclusion

In this chapter researcher has given the difficulties in implementation of technology for disabled people. Provide solution to successfully implement technology for disabled. Researcher also recommended technology for education of visual impaired persons and mentally retarded persons, method of accessing information and resources material for getting knowledge. The final conclusion of the study is:

The technology can have immensely direct impact on the life of physically and mentally challenged people. Provision of ICTs in the lives of physically and mentally challenges people can enhance their daily lives by enabling them to demand and use services, to receive education, to learn new skills, to access markets, and to become economically productive and independent. These technologies can give voice to a marginalized group and enable them to use their own knowledge and strengths to acquire a better quality of life.

While writing this conclusion, one reminds the famous word of American poet Robert Frost Who use to say : “there is a long way to go” in the same way researcher’s study is continuous process of upgrading the knowledge slowly but surely each steps will give further and more understanding of issues related to disabled people.