

CHAPTER-1

INTRODUCTION

1.1 Introduction

**Tell me and I'll forget.
Show me and I might remember.
But involve me and I will understand.**

Education is one of the most influencing sub-systems of society for development and growth of nation .Education system reflects the society's image. Supporting evidences are no more needed to prove the statement that science and technology is the core element for future development and growth of any society. Even Kothari commission (1964) recommended that “The development of research and technology is essential for growing of our country at faster rate”. At this point of time to talk about uses of computers is neither irrelevant nor pre-mature as the term computer is no- more mystic for common man. Today application of computers in Education sector is wide and it is helpful to sharpen quality of the product of Education. Computer is a versatile tool helps to solve many problems relating with teaching and it assists to accelerate the functioning ability of employees.

Computer is a modern tool for improving the quality of teaching and learning. It has become an important tool for instruction. A teacher sitting with one computer can supervise and provide feedback. Traditional teaching in classroom using blackboard is supplemented with lessons prepared with the help of computer. Good teachers all over the world have always been looking for more effective teaching aid. To realize the vast potential of computer as an effective tool in the direction of how to use the computer as a teaching learning aid one cannot ignore it.

Learning is somewhat a difficult and complicated process. In the field of teaching, educators have to struggle hard to find way to make learning enjoyable for the learners. Different activities, games, poems and fascinating stories have helped language teachers to accomplish this aim through many years. However, at the beginning of 1980s, technology came into use in the classrooms with films, television and language labs having video and audio cassettes. In school and colleges, various techniques were used to provide effective teaching learning

process in classrooms. Computer Assisted learning teaching can be very effective to create a deep impression in the mind of learners. The use of the CAL has maximized the effectiveness of teaching learning process especially in terms of student's outcomes in the forms of achievement gains. Realizing the importance of Computer Assisted Learning tool in Education, many investigators have made attempt to develop CAL and measured their effectiveness through different tools and procedure. There are different areas in which CAL intervention programs were developed by many researchers, in different Universities of Gujarat. There are many CAL package were developed in different language and various subject like English, Science Account, Mathematics, Physics, Visual skill of learning art and in their related parts.

A numbers of researches like Zyoud, M. M. (1999), Khirwadkar, A. (2001), Yadav, S. (2000) and many others have proved that the Educational Technology influences the quality of teaching learning because of:

- Active role of students in the learning process.
- A broader area of resources that can be brought to the class room and the students.
- Providing opportunity for interaction and self check.
- Provision of flexible approach for learning particularly concerning the needs of learners.
- Enrichment of the learning experience and motivation of the students.
- Enhancing students understanding by the addition of visual forms of presentation.
- Increase opportunities for students constructed learning.

The various researchers, which presented above show the important of computer, assisted learning process in general. Computer Aided Learning (CAL) or Computer Assisted learning can be defined as learning or teaching subjects like mathematics, Science, Geography, etc., through computers with subject wise learning packages/materials. It may include all types of Technology-Enhanced Learning (TEL), where technology is used to support the learning process. It is said to be: "Pedagogy empowered by digital technology". After looking the

importance of CAL researcher wants to know whether it really works or not so that researcher has conducted study on it.

1.2 Statement of the Problem

“Effectiveness of Computer Assisted Learning package in teaching English at standard VIII”.

1.3 Operationalization of Terms

To elaborate the above mentioned statement some of the basic terms used need justification as is given below:

CAL: A Program of instructional material presented by means of a computer or computer system.

1.4 Objectives of the Study

1. To study the English Textbook of standard VIII.
2. To develop Computer Assisted Learning (CAL) package for teaching English at standard VIII.
3. To implement Computer Assisted Learning (CAL) package for teaching English at standard VIII.
4. To study the effectiveness of the Computer Assisted Learning (CAL) package in terms of achievement of students.
5. To study the feedback of students towards developed Computer Assisted Learning (CAL) package.

1.5 Hypotheses

The following hypotheses were formulated for the above study-

- 1.1 There will be no significant difference between Post Test scores of the Experimental Group and Control Group.
- 1.2 There will be no significant difference between Delayed Post Test scores of Experimental Group and Control Group.

1.3 There will be no significant difference between Post Test scores and Delayed Post Test scores of the Experimental Group.

1.4 There will be no significant difference between Post Test scores and Delayed Post Test scores of the Control Group.

1.6 Variables

Variables are the conditions or characteristics that the experimenter manipulates, controls or observes. Independent variables are the conditions or the characteristics that the experimenter manipulates in his attempt to ascertain their relationship to observe phenomena. Hence in the present experiment '**Independent Variables**' were the types of approaches to teaching English i.e.

- a. Teaching through CAL
- b. Teaching in Conventional way

The dependent variables are the conditions or characteristics that appear, disappear or change as the experimenter introduces, removes or changes independent variables. Hence in the present experiment '**Dependent variable**' was the achievement scores measured at the end of the experiment.

1.7 Delimitations

The CAL package was prepared for only two poems and a prose selected from the book of standard VIII (GSEB) and implemented on students belonging to only one school i.e. Madhyamik Vidyamandir, Ranjitnagar.

1.8 Rationale of the Present Study

Researcher himself belongs to English background. Previous Educational research said that the English prose and poems were not effectively taught through conventional method. So the researcher has felt that the role of the computer cannot be ignoring in Teaching Learning process. Researcher has felt that this concept is very useful for the understanding of the students and schools are also trying to implement this concept in their classrooms. Keeping this point in mind researcher was eager to know the effectiveness of self Learning method and hence, the present study was undertaken. Integration of computers is very essential to

make teaching learning process more effective as well as more concrete. This instigates students as well as teachers to make their sessions dynamic. Keeping this view in mind the researcher aimed to develop a comprehension CAL package to set up a new trend in the field of education.

1.9 Scheme of Chapterization

The dissertation has been divided into six chapters. The scheme of chapterization is as follows-

Chapter-1: Introduction It is the present chapter. The chapter begins with an introductory note and states the problem of the study with the explanation of key terms. It also states the objectives of the study undertaken, hypotheses framed and rationale of the study as perceived by the researcher.

Chapter-2: Conceptual Framework This chapter focuses on the conceptual framework or theoretical background of the study undertaken.

Chapter-3: Review of Related Literature The chapter begins with stating the objectives with which review of related literature is done and then presents the different studies reviewed for the present work.

Chapter-4: Methodology of Investigation The chapter focuses on the methodology adopted in the present study. It describes in detail about the research design selected for the present study, the tools used and the procedure adopted for data collection as well as data analysis.

Chapter-5: Data Analysis, Interpretation and Discussion In this chapter the collected data has been analyzed and presented in a tabular form. Interpretations based on the findings have been presented and discussed in the light of the present study undertaken.

Chapter-6: Conclusions, Suggestions and Implications The last chapter of the dissertation deals with the conclusions drawn from the present study. It also presents some suggestions for the future studies that can be undertaken in the field. The chapter ends with a reflective note by the researcher on the research undertaken.