

CHAPTER-5

FINDINGS, IMPLICATIONS, SUGGETIONS AND CONCLUSION

5.1 INTRODUCTION

The researcher has done this research to find out effectiveness of Computer Assisted Programme (CAP). For that the researcher compared two groups – Controlled and Experimental. Experimental method was taught a concept of mathematics through CAP and other group.

5.2 FINDINGS

The purpose of this research was to determine if the implementation of the computer Assisted Programme improved academic achievement in Mathematics classroom of Std-9. Lerner were taught by the researcher through Computer Assisted Programme for 10 sessions. The Performance of the students was checked by the Post-test. This was followed by a reaction scale to elicit the learners perception's Computer Assisted Programme. Even, the data analysis revealed that:-

- The students experience with Computer Assisted Programme learning was mainly positive.
- The data from this research has confirmed a significant increase in achedemic achievement of students taught through CAP.
- The results of this study strongly suggest that the Computer Assisted Programme had positive impact the learner as it developed interest among learners.
- Computer Assisted Programme Learning helped to clear the doubts of the learners..
- Interaction between teachers and students increased.

5.3 EDUCATIONAL IMPLICATIONS

As there is need for good methodology for teaching mathematics to improve the achievement and performance of the students in examinations, the study has thrown light on the use of appropriate Computer Assisted Programme in normal classroom atmosphere.

The computer in education has a positive reality. The computer provides instant information with infinite patience and accuracy. The computer used by mathematics teacher as an teaching aid may prove a very powerful teaching aid. Computer can be used in all types of teaching programmes. The appropriate use of computer will develop areas of vital importance in mathematics teaching. Computer Assisted Programme holds great potential for education of the future, if properly and effectively used. It can cope with the problem of quantity and quality in education. Using computer as a tool can relieve the teacher of some of the more routine tasks and permit more time for other activities.

It was finally concluded that the experimental group, taught through Computer Assisted Programme did much better than the control group, taught through traditional method. This shows a positive trend towards implementation of such programmes in our schools. This conclusion drawn from the present research has many implications for teacher and students.

For Students

Use of computer in teaching mathematics makes classroom teaching interesting and enjoyable for both teachers as well as students. It works with the interest and curiosity of the students. Computer assisted Programme provides easy and attractive comprehension of the content that helps the learner to create a structure in his mind that can be reproduced in form of words whenever required. It reduces the teaching time and provides teacher an opportunity to involve students in other related mathematics related activities. The major implication of the study is that complex concepts have to be split into smaller elements making it easier for students.

For Teachers

- 1) One of the implications of the study is for the subject teachers. Computer has a great potential for teaching at all levels. The concept can be presented with pictures and diagrams by giving different effects. It makes lessons more attractive and interesting to students. The teacher can prepare computer assisted teaching programs where ever appropriate.
- 2) The traditional method of teaching mathematics can be integrated by these programmers to improve achievement of students.
- 3) This type of work can bring a change in the outlook of the teacher and make him more creative and enrich teaching experience.
- 4) One of the implications of the study is that it helps the authorities to frame policies. They should provide more financial resources for different subjects. It is imperative for the educational planners and administrators to see that more and more technologies are used in teaching and learning process in schools.
- 5) It does not disturb the official plan or do not require additional time. It can be fit in normal classroom time table.

5.4 SUGGESTIONS FOR FUTHER STUDIES

The fact that the computers are used every sphere of human life, government, education, industry and social life needs to be appreciable the use of the Computer as “Teaching Machine” has been widely accepted. The researcher, keeping in view the importance of using the computer in the teaching and learning, has proposed the following areas for the further research.

- 1) Computer Assisted Programme to teach Mathematics, English, S.S Higher secondary school.
- 2) Computer Assisted Programme to teach English, S.S, Science Primary school
- 3) Computer Assisted Programme to teach Science, English, S.S in the state other than Gujarat.
- 4) Computer Assisted Programme to teach Mathematics to teach in Gujarati medium school also.
- 5) Computer Assisted Programme to teach Social Science, English, S.S, Science for central Board also.

- 6) Computer Assisted Programme Could be developed for other subjects and tested at all levels of Education.
- 7) To develop and tryout software programmes to teach Science, Arts and Commerce and other fields of Education.
- 8) To develop Computer Assisted Programme on different school subjects.
- 9) Similar studies may be conducted by including additional variables.

5.5 CONCLUSION

The researcher carried out this research to find out effectiveness of computer assisted programme to teach Mathematics.

The ultimate result of the study revealed that, Computer Assisted Programme is more effective for teaching mathematics as compared to traditional method of teaching mathematics.

Besides providing an insight into research methodologies, this research developed researcher's understanding of the problems of Mathematics students and also equipped her with innovative method to help them. The researcher is quite optimistic that other teachers of the subject will be also benefitted by this research.