

**EFFECTIVENESS OF COMPUTER AIDED LEARNING
MATERIAL ON ACHIEVEMENT IN MATHEMATICS FOR
STUDENTS OF GRADE SEVEN**

**One page abstract of Ph.D. thesis submitted to
Centre of education, IITE Gandhinagar**

GUIDE:

Dr. KALPESH H. PATHAK

RESEARCHER:

PUROHIT LALITKUMAR J.

1. Rationale

There is a fear of failure in Mathematics among so many students in our country. Mathematics phobia is quite common among the primary students. Here, there is an effort made towards teaching of Mathematics with the help of powerful digital tool namely CALM.

2. Objectives

(1) To construct the Computer Aided Learning Material (CALM) program in Mathematics of Grade 7 and (2) To study the effectiveness of Computer Aided Learning Material and Traditional Teaching Method on students' achievement in Mathematics of Grade 7. These two are the main objectives of the research.

3. Methods

True Experimental design was used in this research. Here, the effects of CALM (treatment) on the independent variable i.e. achievement in Mathematics is observed. Experimental group got treatment through CALM programme whereas control group got treatment through traditional teaching method. After completion of the treatment with both the groups, they were examined through the post test, which was conducted after the experiment.

4. Results

The main results obtained are as under:

(1) Experimental group performed better than controlled group in achievement post-test. So, CALM programme is seen more effective than the traditional teaching method in terms of achievement in Mathematics of grade seven.

(2) Any influence of gender, parents' occupational status and parents' educational status on achievement of the students is not seen in Mathematics of grade seven.

5. Conclusions

By using Computer Aided Learning Material (CALM) in class room teaching, we can get more achievement in Mathematics of grade seven. Moreover, we can make topic more interesting in Mathematics of grade seven so that we can reduce fear of failure among students in Mathematics.