

**Name of the DIET : DIET Kurukkathi , Nagapattinam District**

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**TITLE: TO ENHANCE THE SELECTED LEARNING OUTCOMES OF MATHS AMONG FIFTH STANDARD STUDENTS THROUGH ENNUM EZUTHUM CLASSROOM APPROACH**

## **1.INTRODUCTION**

To monitor improvement in children learning levels and to periodically assess the health of the government education system as a whole, the NCERT has been periodically conducting national achievement surveys since 2001, for class 3,5, and 8. This information can be used to impact policies and interventions for improving children's learning under various programs. Based on Class -V NAS District Report Card performance of student's boys (43) and girls (43) respectively. In comparison with National average percentage in Mathematics (44) the Nagapattinam district scored overall (43) respectively. In Mathematics subjects Students are scored low achievements in Lo number **M512** Explores the area and perimeter of simple geometrical shapes (triangle, rectangle, square) in terms of a given shape as a unit and **M506** identifies and forms of equivalent fractions of a given fraction and **M 515** Identify the patterns in triangular numbers and square numbers topics respectively. The purpose of our project focus to identify low achievements learning outcomes in mathematics and enhance students perform in learning outcomes in Mathematics by adapting Ennum Ezuthum class room approach

## **2. NEED AND SIGNIFANCE**

The study helps to identify low achievements in v standard Mathematics students and used Ennum Ezuthum class room approach. The main purpose of the study is to improve low achievement of learning outcomes in Mathematics based on Nagapattinam district report card among the v standard students. This study also examines various learning gapes in Mathematics among learners.

### **3. OBJECTIVES**

- To identify the low achievement of learning outcomes in Mathematics among the v standard students
- To analyse the possible causes for the low achievement in Mathematics among the v standard students
- To find out the achievement level of Mathematics among v th standard students in pre- test.
- To select and use Ennum Ezuthum ICT strategy in the understanding of the subject Mathematics among the v standard students.
- To find out the achievement level of Mathematics among v th standard students in post- test.

### **4. HYPOTHESIS OF THE STUDY**

- There is no Significant difference between pre- test and post- test scores students.
- The student's improvement of achievements in Mathematics do not differ before and after intervention strategy.
- Male and female students in pre- test score of control group do not differ significantly on Achievement of Test score
- Male and female students in pre- test score of experimental group do not differ significantly on Achievement of Test score
- Male and female students in post- test score of control group do not differ significantly on Achievement of Test score.
- Male and female students in post- test score of experimental group do not differ significantly on Achievement of Test score.

### **5. METHODOLOGY**

#### **A) METHOD**

- Experimental method.
- Control group conventional Ennum Ezuthum Approach-Experimental Group Ennum Ezuthum ICT adopted Approach
- Two Groups Pre- Test-Intervention-Post-Test Design

## **B) SAMPLE**

- Two schools of Nagapattinam district ( PUPS valivalam and PUPS Thirukannapuram)
- 30 students from each school were selected to carry out research work

## **C) INTERVENTION**

In Control group the researcher adopts M412 M506 M515 learning outcomes to conventional Ennum Ezuthum Approach among 5 th std students

In Experimental Group the researcher adopts same learning outcomes for various ICT adopted Approach like QR code, Animated videos and available resources in Internet.

The researcher conducts control and experimental Groups Pre- Test-Intervention-Post-Test design and find out the impact of ICT adopted Ennum Ezuthun approach compared to Ennum Ezutum conventional approach. For this purpose 30 questions taken and validated by use of present study.

## **D) Tool**

- Mathematics Achievement Test

## **E) DATA ANALYSIS**

Data collection made by investigator. Individual score is recorded.

The tool is validated by experts. The investigator conduct pre-test and post-test and Individual score is recorded

The collected data processed by suitable statistical measures like

Mean deviation, standard deviation, t test and F test

Group	Sex	Pre - Test		“t” value	Post- Test		“t” value
		Mean	Std. Dev		Mean	Std. Dev	
Control	Male (15)	5.10	2.02	1.45	15.10	2.66	0.706
	Female (15)	6.33	2.13		14.40	2.77	
	Total	5.71	2.0595		14.75	2.715	
Experimental	Male (15)	8.0	1.320	1.58	22.7	2.05	0.998
	Female (15)	8.3	1.181		22.2	2.40	
	Total	8.15	1.375		22.45	2.225	

Test	Number	Mean	SD	“t” value
Post-Test (Control Group)	30	14.75	2.715	12.10
Post – Test (Experimental Group )	30	22.45	2.225	

## **6.MAJOR FINDINGS**

1 The results of the study provoked significance of technology oriented Ennum Ezuthum approach among the students.

2. The Experimental Group Ennum Ezuthum ICT adopted Approach could significantly improve the achievement score among the 5th standard students.

3. The hypothesis states that male and female students in both control group and experimental group do not differ significantly on Achievement score. The t- test results shows that statistics of value 12.10 which is significant in table value. The calculated t- value was greater than the table t- value and hence the hypothesis was rejected. The results indicate that both control and experimental group differ significantly on Achievement score among 5<sup>th</sup> Std Students.

## **7.CONCLUSION**

The development of Maths incorporated with ICT skills could definitely offer better ways for teaching and learning. Adoption of ICT techniques and Tools for teaching learning in a regular classroom increase students' active involvement and learning. A good rich learning environment can assist students as they develop understanding, interest, self-directed learning, and curiosity. ICT adopted Ennum Ezuthum approach enhances the teacher as well as the student's ability in terms of teaching and learning. It could be surmised from the study that the Experimental group performed at a better level when compared to the Control group.

## **8. EDUCATIONAL IMPLICATIONS**

1. ICT adopted Ennum Ezuthum approach is more effective compared to conventional classroom teaching.

2.ICT gives a self -confident among the students

3.It promotes experimental learning and self -learning among learners

4.This helps reduces the wastage and stagnation to testing learning process to a considerable extent.

5.This study helps to implement various school subjects like Tamil, English, Evs, in elementary level

6. This study helps us to future researcher to identify the ICT skills by apply various subjects to uplift the educational aspects of social welfare

## Photos

Proposal approval Meet



Post -Test conducting



Control Group Teaching



Experimental Group Teaching

