



**A STUDY THE EFFECTIVENESS OF CO-OPERATIVE EFFORTS ON THE  
PRACTICAL ACHIEVEMENT OF THE STUDENTS**

**Sandip Dnyandeo Mulay**

Assist. Prof.

Tilak College of Education, M.Ed. Department, Pune-30

***Abstract***

*We are being in 21<sup>st</sup> century. Still we are known as a social animal. We are never being in this world lonely. Society and sociality is a part and need of our life. Our life is depending on each other. We always think that two is good than one. In this way we can confidently say that Quality of task done by co-operative way could be better than work done by individual way. Some tasks will be done better by co-operation. In B.Ed. course regarding Pune University Students have compulsory to complete the twelve practicals depended on six theory Subjects. Out of all B.Ed. Students some students are done same practicals individually. After evaluation researcher found that practical done by few students is extreme. But improvement should be needed in practical of most of the students. Researcher found that quality of practicals done by B.Ed. Students should be better. Researcher focusing on concern problem through this research. As a solution of this problem researcher down the plan of co-operative efforts. In this study researcher check the effectiveness of co-operative efforts according to practical achievement of the Students.*

*The Objective of the study was to determine the effectiveness of co-operative efforts on the practical achievement of the students. In this study co-operative effort was*

*considered as an independent variable and Practical achievement of the students considered as a dependent variable. In this study independent group only post-test design was used as an experimental design. 30 Students was selected for experimental treatment in experimental group and 30 students selected for traditional treatment in control group. Initially practical was done by Experimental group students by co-operative efforts at same time same practical was done by Control group students by traditional method. After experiment completed practicals of both control and experimental group were evaluated by post-test. After evaluation mean of both group post tests was computed. Z test was used as a data analysis tool. After analysis researcher found that co-operative efforts was useful to improving the practical achievement of the students.*

---

## **1. Introduction**

We are being in 21<sup>st</sup> century. Still we are known as a social animal. We are never being in this world lonely. Society and sociality is a part and need of our life. Our life is depending on each other. We always think that two is good than one. In this way we can confidently say that Quality of task done by co-operative way could be better than work done by individual way. Some tasks will be done better by co-operation. In B.Ed. course regarding Pune University Students have compulsory to complete the twelve practicals depended on six theory Subjects. Out of all B.Ed. Students some students are done same practicals individually. After evaluation researcher found that practical done by few students is extreme. But improvement should be needed in practical of most of the students. Researcher found that quality of practicals done by B.Ed. Students should be better. Researcher focusing on concern problem through this research. As a solution of this problem researcher drawn the plan of co-operative efforts. In this study researcher check the effectiveness of co-operative efforts according to practical achievement of the Students.

## **2. Statement of the Problem**

To Study the effectiveness of Co-operative efforts, on the Practical achievement of the students.

### **3. Operational Definitions**

- **Co-operative efforts**

To done the practical of Paper 1 section II under B.Ed. syllabus of University of Pune ‘Study the one mass communication media tool’ in group is a co-operative efforts in this research.

- **Students**

Students of B.Ed. colleges under Pune University in academic year 2012-13 are the students in this research.

- **Practical Achievement**

Mark obtained in researcher made achievement rating scale based on practical of paper 1 section II under B.Ed. syllabus of University of Pune ‘Study the one mass communication media tool’ is the achievement in this research.

### **4. Objectives of the Study :**

1. To administered the treatment of Co-operative efforts on Students.
2. To check the effectiveness of Co-operative efforts on practical achievement of students.

### **5. Assumptions of the Study**

- Completion of 12 subject related practicals are compulsory to all B.Ed. students Under Pune University.
- Practical of paper 1 section II under B.Ed. syllabus of University of Pune is compulsory.
- Students done the practical individually.
- Students don't have expected achievement in practical.

### **6. Hypothesis of the Study**

#### **6.1 Research Hypothesis**

There will be significant improvement in practical achievement of the Students by co-operative efforts.

#### **6.2 Null Hypothesis**

There will be no significant improvement in practical achievement of the Students by co-operative efforts.

## **7. Scope and Limitations**

### **• Scope**

1. This research is related to B.Ed. Students of Pune University.
2. This research is related to subject related practical under syllabus of Pune University.

### **• Limitations**

1. Results of this research are depending on the response given by sample students.
2. This research is limited to practical of paper 1 section II of B.Ed. syllabus under Pune University.
3. Practical achievement of the present research is limited to Mark obtained in researcher made achievement rating scale.
4. This research is limited to academic year 2012-13.

## **8. Research Method**

In present study researcher administered the treatment of co-operative efforts on B.Ed. Students and check its effectiveness on practical achievement of Students. For this process researcher use the Experimental Method of Research.

### **• Variables**

co-operative efforts was considered as an independent variable and Practical achievement of Students was considered as dependent variable.

## **9. Experimental Design**

Only - post test Independent group design was used for experiment in this research. The structure of the design is as follow:

Experimental group	Control group
No pre-test	No pre-test
Treatment of Co-operative efforts	Treatment of Individual efforts
Post test	Post test

#### 10. Sampling Method

Accidental method of sampling was used in this study.

- **Population**

All the Students studying in B.Ed. colleges under Pune University are the population of the present study.

- **Sample**

Out of all Students 60 Students are selected as a sample. Sample was selected by Non Probability base accidental sampling method.

#### 11. Tool of Data collection

For present research researcher used the 50 marks achievement rating scale as a data collection tool. Scale includes 10 statements. Every statement of the scale holds maximum 5 marks. 5 mark for excellent, 4 marks for better, 3 for good, 2 for quit good, 1 for bad.

#### 12. Procedure of the study

- Total 60 Students were selected as a sample.
- 30 students include in experimental and 30 students includes in control group independently.
- Experimental treatment administered on experimental group at same time traditional treatment of individual work was administered on control group.

- After experiment practicals of students was evaluated by rating achievement scale.
- Finally comparison two post tests means done by z test.

### 13. Statistical tools and Data analysis

In this study researcher check the effect of co-operative efforts on practical achievement of students. To check the effectiveness z test is used as a data analysis tool.

- **z testing of practical achievement of students**

Sr. no.	Content	Post test	
		Experimental group	Control group
1	Number of students	30	
2	mean	44	38
3	$\sigma$	6.2	5.3
4	$\sigma D$		1.53
5	$ M_1 - M_2 $		06
6	$Z_{cal}$		3.92
7	Significant level		.01
8	Degree of freedom		58
9	$Z_{table}$		2.66

- **Observation**

$$Z_{cal} = 3.92 \text{-----I}$$

$$Z_{table} = 2.66 \text{-----II}$$

(At .01 significant level and for  $df = 58$ )

From I&II

$$Z_{table} < Z_{cal}$$

- **Interpretation**

1. Table z value is less than calculated z value, therefore Null Hypothesis was rejected and research hypothesis was accepted.

2. There will be significant improvement in practical achievement of the Students by co-operative efforts.

**14. Result of the study**

It is concluded from this study that the use of co-operative efforts in practical work is effective. It develops practical achievement of the students.

1. There will be significant improvement in practical achievement of the Students by co-operative efforts.

2. Co-operative efforts are useful to improve the practical achievement of students.



**References:**

Mulay,S.D.(2013).**Use of ICT additional work in teaching learning process.** Paper presented in National level seminar at JSPM, Pune.

Mulay,S.D.(2013).**Effect of competition on the achievement of the students.** Paper presented in National level seminar at College of Education, Sangamaner.

