



## COOPERATIVE LEARNING: A BETTER STEP TOWARDS SUCCESSFUL INCLUSION

A study of Effectiveness of Cooperative Learning Strategy Program on Academic Achievement and Emotional maturity of diverse need B.Ed. students.

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### ABSTRACT

NEP 2020 focus on inclusive education and providing equal opportunities and aims to provide quality education to everyone. Cooperative Learning provides suitable environment for diverse need students to learn together, share ideas with each other and provide equal opportunities. Quality education is the goal of sustainable development; this goal can be achieved through the use of different cooperative learning techniques in the classroom as in the cooperative atmosphere students create and construct their own knowledge.

Cooperative learning encourages diverse need students to come together and learn the content in groups or with the help of their peers. Cooperative learning allows students to share their knowledge with others and strengthen their content and it helps students to increase their emotional maturity level and accommodate diverse need students. Also, it allows all type of students like slow learners, blind, gifted students, students from different socio-economic and cultural background to work together in groups or pairs and accommodate them for lifelong and better learning which in a way break barriers and supports inclusive education.

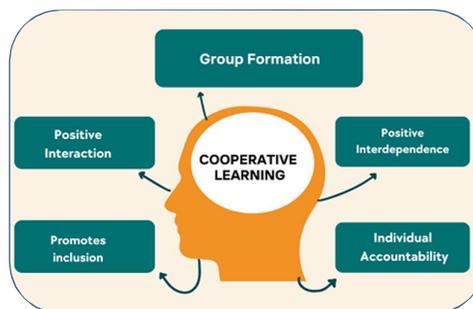
This study aimed to use of cooperative learning techniques to teach B.Ed. student and study its effectiveness on academic achievement of diverse need students and to know the opinion of future teacher about use of cooperative learning for developing their emotional maturity and better inclusion.

**KEYWORDS:** Inclusive Education, Cooperative learning techniques, Emotional maturity, Sustainable development, Academic achievement.

### ➤ INTRODUCTION

Inclusive education aims to provide equal opportunities of education to everyone regardless of their ability, socio-economic and cultural background. Inclusive education emphasizes on education for all. NEP 2020 focus on inclusive education and providing equal opportunities and aims to provide quality education to everyone. Quality education and social equity are the important goals of sustainable development. To achieve these aims our education system should accommodate all types of students under one roof and provide equal opportunities to learn and grow together.

In traditional methods of teaching teachers' knowledge gets transferred to the students and students were become only passive learners and the classroom atmosphere becomes competitive and



the students in the class not able to accommodate different ability students with them. To accommodate all such learners, we have to make use of some modern methods of teaching in the classroom which encourage students to construct their own knowledge and become active learner in the cooperative classroom atmosphere.

National Curriculum Framework 2014 promotes key component relating to people. This key competency covers both interpersonal and intrapersonal skills. By mastering these skills, students can understand themselves better and are able to interact effectively with other members of society and live harmoniously with people from diverse communities. Cooperative learning encourages diverse need students to come together and learn the content in groups or with the help of their peers. Cooperative learning allows students to share their knowledge with others and strengthen their content and it helps students to increase their emotional maturity level and accommodate diverse need students. Also, it allows all type of students like slow learners, blind, gifted students, students from different socio-economic and cultural background to work together in groups or pairs and accommodate them for lifelong and better learning which in a way break barriers and supports inclusive education. B.Ed. students are the future teachers if they come to know about different cooperative learning strategies and usefulness of using them in their regular teaching for the inclusion and knowing their peers better, they might incorporate cooperative learning techniques when they become teacher and that helps in breaking barriers of inequality and helpful for inclusion. This is the ultimate aim of the present study.

### ➤ **Cooperative learning**

Cooperative learning is a teaching- learning or instructional strategy in which the students of a class or section work in small groups to one another learn in a cooperative and non-competitive environment. Unlike competitive learning situation or an individualistic situation, students in a cooperative learning situation work sincerely in close cooperation with the spirit of “sink or swim together.” (Johnson & Johnson, 1991).

### ➤ **Elements of cooperative learning**

According to D.W. Johnson and R.T. Johnson (1991) following are the elements of cooperative learning.

- Positive interdependence
- Face to face interaction
- Individual accountability
- Interpersonal and small group skills
- Group accountability
- Group processing

### ➤ **Theories of cooperative learning**

Cooperative learning has the strong theoretical base, following theories supports interaction with each other and cooperative learning

- Lev Vygotsky’s Social Developmental Theory
- Situated Learning theory
- Discovery Learning
- Bandura’s Social Learning Theory
- Gordan Pask’s Conversational Theory

### ➤ **Techniques of Cooperative learning**

- Think pair and share
- Numbered heads together
- Jigsaw
- Group investigation
- Circle the sage

- Roun robin technique
- STAD
- TGT

For this research Think pair and share and Jigsaw technique of cooperative learning is used.

### ➤ Review of related research

Sr. No.	Researcher	Findings
1	Bindhu, C.M. (1999)	Concluded that in all the comparison significant difference in favour of cooperative learning was noticed it can be concluded that cooperative learning was more effective than the conventional method of teaching.
2	Reshma, P.T(2006)	Concluded that significant difference is noted in the comparison of mean achievement scores of all experimental and control groups so it is concluded that peer tutoring method is more effective than the existing method of teaching.
3	Pushpanjali & Satyaprakash (2010)	Concluded that Cooperative learning strategy was more superior to conventional method in significantly promoting achievement motivation and reducing the anxiety.
4	D'souza (2010)	Concludes that working together cooperatively is a powerful way to learn and has positive effects on the classroom climate.
5	Thomas Vineeta (2013)	Concluded that Cooperative Learning strategy is an effective teaching strategy in teaching science subject also cooperative strategies improves social aspect of students. Cooperative learning also improves communication skill; decision making and also helped them in resolving conflicts among them.
6	Raino. (2017)	Efforts should be made to develop their emotional intelligence and Schools should provide emotionally healthy environment to the students.
7	Rani, Rekha and Huda, A.M.	Concluded that cooperative learning reduce stress. Multimedia method of teaching improves skill of managing relation increase academic achievement of students.

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➤ **Title of the study**

A study of effectiveness of cooperative learning strategy program on academic achievement and emotional maturity of diverse need B.Ed. Students.

➤ **Objectives of the study**

- To develop program based on cooperative learning strategies for few topics of School and Inclusive school subject of B.Ed.
- To implement the program based on cooperative learning strategies on diverse need B.Ed. students.
- To study the effectiveness of cooperative learning strategy on academic achievement of diverse need B.Ed. students.
- To study the effectiveness of cooperative learning strategies on emotional maturity of diverse need B.Ed. students.
- To analyse opinion from experimental group students about usefulness of cooperative learning strategies for inclusion.

➤ **Hypothesis**

- There will be significant difference in mean gain score of B.Ed. students on academic achievement after implementation of program based on cooperative learning strategy.
- There will be significant difference in mean gain score of B.Ed. students on emotional maturity after implementation of program based on cooperative learning strategy.

➤ **Sample of the study**

30 B.Ed. students is the sample for this study. Students of different ability, socio-economic and cultural background is included in the sample.

➤ **Methodology**

- The study was experimental in nature.
- To find out the effectiveness of cooperative learning strategy on academic achievement and emotional maturity of B.Ed. students, Single group pre-test post- test design is used.

➤ **Data collection tool**

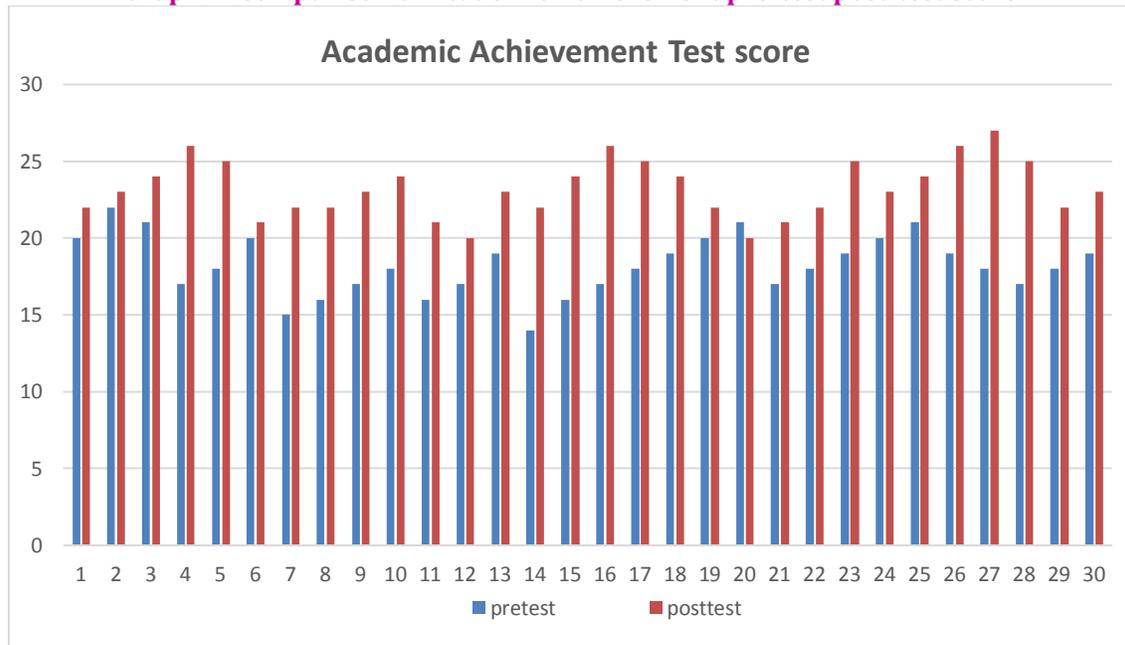
- Cooperative learning program
- Emotional maturity test (Researcher made)
- Academic achievement test
- Opinionnaire

➤ **Data analysis tool**

- To find out the effectiveness of cooperative learning strategy on academic achievement and emotional maturity t test is used.
- Analyze the opinion of B.Ed. students regarding usefulness of cooperative learning program for inclusion percentage is used.

➤ Graphical Representation

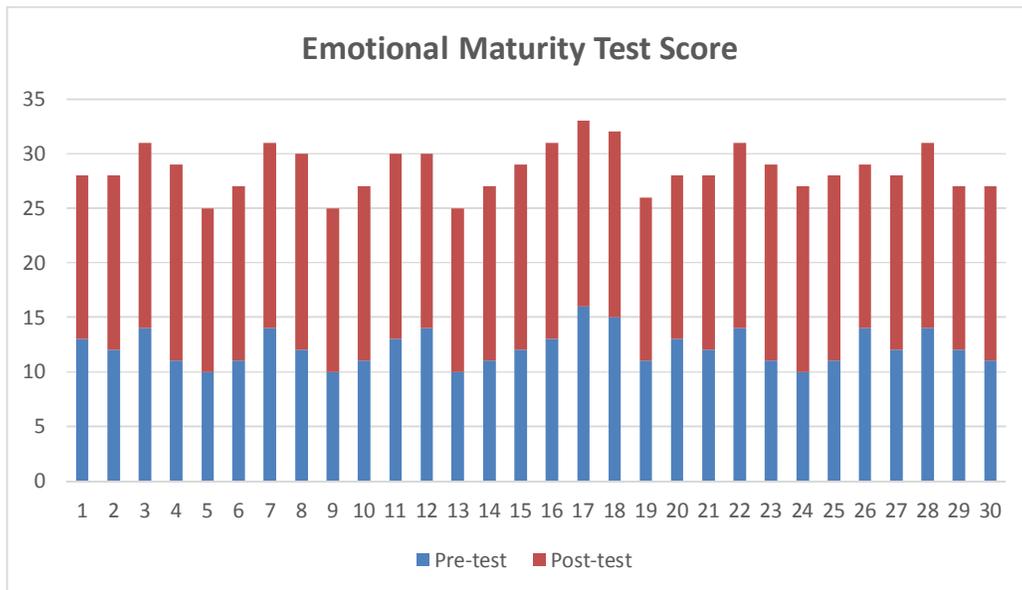
**Graph 1: Comparison of Academic Achievement pre-test post-test score**



**CONCLUSION:**

Above graph shows that post-test academic achievement score of B.Ed. students is greater than the pre-test scores. From the above graphical representation, it is concluded that cooperative learning strategy found to be effective in increasing academic achievement of diverse need B.Ed. students.

**Graph 2: Comparison of Emotional Maturity pre-test post-test score**



**CONCLUSION:**

Above graph shows that emotional maturity score of post-test B.Ed. students is greater than the pre-test scores. From the above graphical representation, it is concluded that cooperative learning strategy found to be effective in enhancing emotional maturity of diverse need B.Ed. students.

**➤ Results**

- After implementation of program based on cooperative learning strategy there is significant difference in academic achievement score and emotional maturity score of experimental groups.
- Cooperative learning strategy found to be more effective than the traditional method.
- Cooperative learning program is found to be effective to enhance emotional maturity of diverse need B.Ed. students
- Cooperative learning strategy found to be effective for teaching diverse need B.Ed. Students.
- 100% students like to learn with the help of their peers.
- All the students respect opinion of their group members.
- 93% students effectively communicated with their group members and accommodate everyone in the group.
- All the students support cooperative learning for accommodation of all types of students and providing equal opportunities of education to everyone.

**➤ CONCLUSION**

Thus, Cooperative learning program found to be effective for better learning and increasing academic achievement of diverse need B.Ed. students also it helps in increasing emotional maturity of B.Ed. students. Cooperative learning ensures social equity and quality education and it helps to provide equal opportunity of education to diverse need students regardless of their ability, socio-economic and cultural background. Through the use of cooperative learning one can break the barriers of inequality and encourage the successful inclusion. Cooperative learning is the better step towards successful inclusion also social equity and quality education these goals of sustainable development can be achieved with the use of cooperative learning strategies in the classroom.

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