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A Study on the Innovative Education (Flipped Classroom) for special needs children (Slow Learner) with special reference to Chhattisgarh State

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A Study on the Innovative Education (Flipped Classroom) for children with special needs (Slow Learner) with special reference to Chhattisgarh State Dr. Divya Sharma, Postdoctoral Fellow, SoS in Physical Education, Indian Council of Social Science Research (ICSSR), New Delhi, INDIA ABSTRACT The aim of present research study was to study the innovative education for children with special needs (slow learner) with special reference to Chhattisgarh State.

Abstract

The aim of present research study was to study the innovative education for special needs children (slow learner) with special reference to Chhattisgarh State. For the purpose the selection by researcher has a number of 60 samples (Children with special needs i.e. autistic, 30 male and 30 female children). The samples were treated with an experiment of innovative education for a period of two weeks. The collected data was analyzed statistically and the results were drawn. The findings revealed that there lies a difference significant in the Pre and Post-test after giving Innovative Education for Special Children (slow learner), in the Pre and Post-test after giving Innovative Education for Male Special Children (slow learner) and in the Pre and Post-test after giving Innovative Education for Female Special Children (slow learner).

Keywords

Innovative Education, Children with special needs, Slow Learner.

Conceptual Framework

The term exceptional here in many ways distinct category and stands for a separate of class of children who are markedly below average / above average characteristics and traits which makes them fundamentally different from the general and the population of children is average. these types of children begin to demonstrate signs of their exceptionality from their very birth or during their development stages as they race ahead or lag behind in terms of natural growth and development in various dimensions- physical,

moral, mental, social and emotional etc. to such an extent that they exhibit symptoms of the maladjustment with average children and with the average ways and means of their upbringing and education.

Children can have both defects and abnormalities. The general system of education is devised of the average and normally healthy children, as a result of which it cannot incorporate the development of abnormal children since they need special arrangements. One has to speak louder than when one is speaking to a normal person if one wants to communicate with a deaf individual. A modern teacher is concerned not only with the development of a majority of average children, but also with the development of brilliant, backward, defective and abnormal children. Hence the system of education should also provide for such individuals. Unfortunately, many circumstances conspire to make provision of such facilities impossible in all school.

Objectives of the study

1. To find out the difference between the Pre and Post Innovative Education for special Children of Raipur District in Chhattisgarh State.
2. To find out the difference between the Pre and Post Innovative Education for Male Special Children of Raipur District in Chhattisgarh State.
3. To find out the difference between the Pre and Post Innovative Education for Female Special Children of Raipur District in Chhattisgarh State.

Hypothesis of the Study

- H₀₁** There will be no significant difference between Pre and Post Innovative Education for special children of Raipur District in Chhattisgarh State.
- H₀₂** There will be no significant difference in the Pre and Post Innovative Education for Male Special Children of Raipur District in Chhattisgarh State.
- H₀₃** There will be no significant difference in the Pre and Post Innovative Education for Female Special Children of Raipur District in Chhattisgarh State.

Methodology

The present research study was experimental in nature. For the purpose, the selected samples i.e. 60 autistic children were divided into two groups namely control group and experimental group. Pre test and post test scores were obtained and data was statistically analyzed and results were drawn.

Analysis and Interpretation

- H₀₁** There will be no significant difference in the Pre and Post-test after giving Innovative Education for special children of Raipur District in Chhattisgarh State.

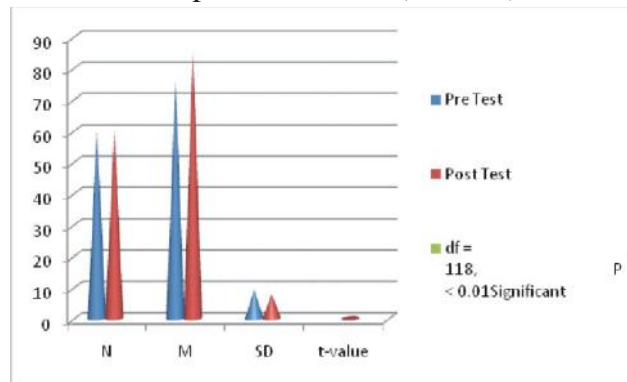
To find out the difference between Pre and Post-test after giving Innovative Education for special children of Raipur District in Chhattisgarh State. The sample for this hypothesis is 60 special children (Autistic). After collecting the data mean, standard deviation and t – test were applied as statistic. The statistical analysis is given below in table no.1:

Table 1 : Mean and Standard Deviation of Pre and Post-test after giving Innovative Education for Special Children (Autistic)

	N	M	SD	t-value
Pre Test	60	75.56	9.16	6.69**
Post Test	60	85.33	7.82	
df = 118, P < 0.01 Significant				

(Source : Primary Data)

Graph No. 1 : Mean and Standard Deviation of Pre and Post-test after giving Innovative Education for Special Children (Autistic)



The table and graph indicates that the mean score of Pre and Post-Test of special children are 75.56 and 85.33 respectively. The SD of Pre and Post-test are 9.16 and 7.82 respectively. The t -value obtained 6.69 which are significant at 0.01 level because obtain t-value is greater than the table value ($P < 0.01 = 2.62$).

It can be concluded that there lies a significant difference in the Pre and Post-test after giving Innovative Education for Special Children (Autistic).

Thus, hypothesis “There will be no significant difference in the Pre and Post-test after giving Innovative Education for special children of Raipur District in Chhattisgarh State.” is **Rejected**.

H₀₂ There will be no significant difference in the Pre and Post-test after giving Innovative Education for Male Special Children of Raipur District in Chhattisgarh State.

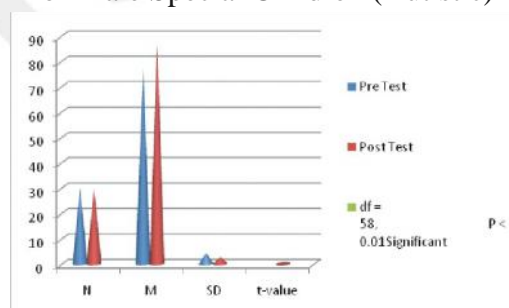
To find out the difference between Pre and Post-test after giving Innovative Education for male special children of Raipur District in Chhattisgarh State. The sample for this hypothesis is 30 Male Special Children (Autistic). After collecting the data mean, standard deviation and t – test is applied as statistic. The statistical analysis is given below in table no. 2:

Table 2 : Mean and Standard Deviation of Pre and Post-test after giving Innovative Education for Male Special Children (Autistic)

	N	M	SD	t-value
Pre Test	30	76.83	4.24	10.67**
Post Test	30	86.66	2.82	
df = 58,		P < 0.01 Significant		

(Source : Primary Data)

Graph No. 2 : Mean and Standard Deviation of Pre and Post-test after giving Innovative Education for Male Special Children (Autistic)



The table and graph indicates that the mean score of Pre and Post-Test of Male special children are 76.83 and 86.66 respectively. The SD of Pre and Post-test are 4.24 and 2.82 respectively. The t -value obtained 10.6 which are significant at 0.01 level because obtain t-value is greater than the table value ($P < 0.01 = 2.62$).

It can be concluded that there lies a significant difference in the Pre and Post-test after giving Innovative Education for Male Special Children (Autistic).

Thus, hypothesis “There will be no significant difference in the Pre and Post-test after giving Innovative Education for Male Special Children of Raipur District in Chhattisgarh State.” is **Rejected**.

H₀₃ There will be no significant difference in the Pre and Post-test after giving Innovative Education for Female Special Children of Raipur District in Chhattisgarh State.

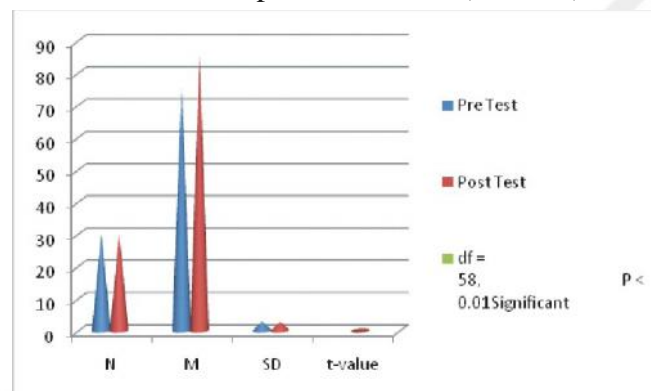
To find out the difference between Pre and Post-test after giving Innovative Education for female special children of Raipur District in Chhattisgarh State. The sample for this hypothesis is 30 Female Special Children (Autistic). After collecting the data mean, standard deviation and t–test is applied as statistic. The statistical analysis is given below in table no.3:

Table 3 : Mean and Standard Deviation of Pre and Post-test after giving Innovative Education for Female Special Children (Autistic)

	N	M	SD	t-value
Pre Test	30	75.56	2.82	13.47**
Post Test	30	85.33	2.82	
df= 58, P < 0.01 Significant				

(Source : Primary Data)

Graph No. 3 : Mean and Standard Deviation of Pre and Post-test after giving Innovative Education for Female Special Children (Autistic)



The table indicates that the mean score of Pre and Post-Test of Female special children are 75.86 and 85.33 respectively. The SD of Pre and Post-test are 2.82 and 2.82 respectively. The t - value obtained 13.47 which are significant at 0.01 level because obtain t-value is greater than the table value ($P < 0.01 = 2.62$).

It can be concluded that there lies a significant difference in the Pre and Post-test after giving Innovative Education for Female Special Children (Autistic).

Thus, hypothesis “There will be no significant difference in the Pre and Post-test after giving Innovative Education for Female Special Children of Raipur District in Chhattisgarh State.” is **Rejected**.

Findings

1. It was found that there lies a significant difference in the Pre and Post-test after giving Innovative Education for Special Children (Autistic).
2. It was found that there lies a significant difference in the Pre and Post-test after giving Innovative Education for Male Special Children (Autistic).
3. It was found that there lies a significant difference in the Pre and Post-test after giving Innovative Education for Female Special Children (Autistic).

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