

Vol 4 Issue 5 June 2014

ISSN No : 2230-7850

International Multidisciplinary
Research Journal

*Indian Streams
Research Journal*

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RNI MAHMUL/2011/38595

ISSN No.2230-7850

Indian Streams Research Journal is a multidisciplinary research journal, published monthly in English, Hindi & Marathi Language. All research papers submitted to the journal will be double - blind peer reviewed referred by members of the editorial board. Readers will include investigator in universities, research institutes government and industry with research interest in the general subjects.

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**A STUDY OF EFFECTIVENESS OF DISTANCE EDUCATION
PROGRAMME ON EDUCATIONAL ACHIEVEMENTS OF
6TH STD. STUDENTS ON EDUCATIONAL ACHIEVEMENTS
OF 6TH STD. STUDENTS**

Vadher Bharatbhai Velabhai

Research Scholar(Ph.D.) Mewar University, Gangrar,Chittorgarh(Raj.).

Abstract:-A study of the effectiveness of Distance Education Programme broadcasted at primary school level through BISAG by GCERT has been dealt with in this paper. 100 students from Patadi taluka's schools were included in this research as a sample of the study by using random sampling technique. Multiple objective type tests prepared by GCERT were used as a tool to collect the required data. 't' test statistical technique was used for data analysis. It is concluded that distance education programme has been proved to be effective to enhance the quality of primary education.

Keywords:effectiveness , educational achievements , random sampling technique.

INTRODUCTION

Distance Education Programme in primary schools of Gujarat has been started since 2009. This programme covers all the primary schools of Gujarat. It has been broadcasted through BISAG studio by GCERT. BISAG (Bhaskaracharya Institute for Space Applications and Geo-informatics) studio in Gandhinagar has widened the horizons of education radically in Gujarat. It is a state level nodal agency that records, prepares and telecasts educational programmes as well as establishes a live source of communication among the people involved in the process of education using thousands of receiving centres established all over in Gujarat. In primary education, there are several teaching-learning programs implemented through BISAG. One of them is Distance Education Programme in which GCERT organizes lessons for the students of 6 to 8 standards on subjects like Mathematics, Science and English. GCERT prepares and trains the experts or subject masters. The experts are selected from whole state. The script of lesson is also prepared by the expert before broadcasting a lesson. The students from Educationally Backward Block(EBB) come from interior areas of Gujarat to Gandhinagar, stay there for a few days , participate in the activity based lessons, visit the important places and institutions in Gandhinagar and Ahmedabad. Other teachers and students of Gujarat participate from their respective receiving centres through BISAG. The main objective of this research is to study the effectiveness of Distance Education Programme broadcasting at primary level through BISAG.

OBJECTIVES OF THE STUDY:

The following objectives were framed for the present study.

- 1.To know the educational achievements of 6th standard's students in Mathematics, Science and English subject of Patadi taluka's schools where distance educational programmes were viewed through BISAG.
- 2.To know the educational achievements of 6th standard's students in Mathematics, Science and English subject of Patadi taluka's schools where distance educational programmes were not viewed through BISAG.
- 3.To compare the educational achievements of 6th standard's students in Mathematics, Science and English subject of Patadi taluka's schools where distance educational programmes were viewed through BISAG with the schools where distance educational programmes were not viewed through BISAG.
- 4.To compare the subject wise educational achievements of 6th standard's students in Mathematics, Science and English subject of Patadi taluka's schools where distance educational programmes were viewed through BISAG with the schools where distance educational programmes were not viewed through BISAG.

HYPOTHESES

In pursuance of the objectives, following null hypotheses were set up.

1. There will be no significant difference between the educational achievements of 6th standard's students in Mathematics, Science and English subject of Patadi taluka's schools where distance educational programmes were viewed through BISAG and the schools where distance educational programmes were not viewed through BISAG.
2. There will be no significant difference between the educational achievements of 6th standard's students in Mathematics of Patadi taluka's schools where distance educational programmes were viewed through BISAG and the schools where distance educational programmes were not viewed through BISAG.
3. There will be no significant difference between the educational achievements of 6th standard's students in science of Patadi taluka's schools where distance educational programmes were viewed through BISAG and the schools where distance educational programmes were not viewed through BISAG.
4. There will be no significant difference between the educational achievements of 6th standard's students in English of Patadi taluka's schools where distance educational programmes were viewed through BISAG and the schools where distance educational programmes were not viewed through BISAG.

LIMITATIONS

It is necessary for the researcher to keep the limitations of the research in mind for doing research in the right way and getting proper results. The limitations of the present study were as under, .

1. It is limited only to the educational achievements of 6th standard's students in Mathematics, Science and English subject of Patadi taluka's schools.
2. It is only the comparison of the results obtained on the basis of readymade tests prepared by GCERT.
3. It is limited only to Mathematics, Science and English subjects.

RESEARCH METHODOLOGY

Survey method of research was used for the present study because it is related with the situation that exists and practices. Distance Education programme (Dist.Edu.Progs.) has been broadcasted in all primary schools of Gujarat through BISAG by GCERT.

SAMPLE SELECTION

The present study was conducted on a total sample of 100 fifth standard's students of the schools of Patadi taluka. Random sampling technique was used to select the sample of the study. The following sample was selected.

	Schools Where Dist.Edu.Progs. were viewed.	Schools Where Dist.Edu.Progs. were not viewed.	Total students
No. of 5 th standard's Students	60	40	100

Tool

Multiple objective tests which were prepared by GCERT, Gandhinagar were used to collect the data for the present study. The following subject wise tests were administered on the 6th standard's students of Patadi taluka.

Subjects	Mathematics	Science	English
Marks	20	20	25

Data Collection

The researcher personally visited to selected schools of Patadi taluka to administer the test on the 6th standard's students one by one and to collect the required data.

Statistical Analysis

In order to study the effectiveness of distance education programme at primary schools of Patadi taluka, 't' tests were computed and tested as shown in the tables.

Table-1
Showing the comparison of the total educational achievements of 6th standard's students in Mathematics, Science and English

Schools	MEAN	S.D.	N.	SED	't'	S.L.
Where Dist.Edu.Progs. were viewed.	40.3	11.55	60	1.94	3.85	0.01
Where Dist.Edu.Progs. were not viewed.	32.83	7.86	40			

Table-2
Showing the comparison of the educational achievements of 6th standard's students in Mathematics

Schools	MEAN	S.D.	N.	SED	't'	S.L.
Where Dist.Edu.Progs. were viewed.	11.53	4.02	60	0.71	4.44	0.01
Where Dist.Edu.Progs. were not viewed.	8.38	3.05	40			

Table-3
Showing the comparison of the educational achievements of 6th standard's students in Science

Schools	MEAN	S.D.	N.	SED	't'	S.L.
Where Dist.Edu.Progs. were viewed.	13.72	4.24	60	0.76	4.65	0.01
Where Dist.Edu.Progs. were not viewed.	10.18	3.35	40			

Table-4
Showing the comparison of the educational achievements of 6th standard's students in English

Schools	MEAN	S.D.	N.	SED	't'	S.L.
Where Dist.Edu.Progs. were viewed.	15.05	4.41	60	0.80	0.96	N.S.
Where Dist.Edu.Progs. were not viewed.	14.28	3.56	40			

FINDINGS

Major findings of the study are as under

- 1.Distance education programmes proved to be effective in relation to total educational achievements of 6th standard's students in Mahtematics, Science and English.
- 2.Distance education programmes proved to be effective in relation to educational achievements of 6th standard's students in Mahtematics subject.
- 3.Distance education programmes proved to be effective in relation to educational achievements of 6th standard's students in Science subject.
- 4.Distance education programmes didn't prove to be effective in relation to educational achievements of 6th standard's students in English subject.

CONCLUSION

The findings of the present study show that distance education programmes telecasted through BISAG by GCERT are very effective to enhance the quality of primary education. Therefore it is suggested that distance education programmes should be continued to broadcast for the students of primary schools in Gujarat. Teaching of English through distance education should be improved in quality so that it will also become effective. All the primary schools of Gujarat should be provided the facility to view the lessons or programmes telecasted through BISAG by GCERT.

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Vadher Bharatbhai

Research Scholar(Ph.D.) Mewar University, Gangrar,Chittorgarh(Raj.).

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