

EFFECT OF SCHOOL ENVIRONMENT OF ACADEMIC ACHIEVEMENT OF SECONDARY STUDENTS

Roopam Vats

Research Scholar, Ph.D. (Education)
Dakshina Bharat Hindi Prachar Sabha, Madras

Abstracts :- The researcher made an attempt to study the effect of school environment on academic achievements of secondary students. School environment includes physical, social & psychological environment of school. Simple survey method was used for the study. A sample of 84 students from 3 schools of Jind was selected. The study reveals that school environment effects academic achievements of students.

1.0 Introduction :- The environment factor play an important role in the development of student. Since the student spend much of their time in schools. Their school environment has an effect on their development. Students are the resources of future leaders in different fields. The development of any country depends on the opportunities given to the students for their maximum development.

In India, a democratic country have the right to get this opportunity for maximum set students is important because it lays the base of his/her future development. Many studies proved that academic achievement of a student is related to several psychological & environmental aspects of students.

2.0 School Environment :- Environment in the school is the overall facilities provided by the school. School environment can be different types such as.

2.1 Physical Environment :- The Physical environment of school includes :-

Location & Site of construction, planning, suitability in terms of accommodation & facilities in building, classrooms which can be used in all weathers, provision of hall for co-curricular & others activities, provision of toilets, clean drinking water, facilities for library, laboratory, workshops, drains & sewage facilities, common rooms for boys & girls, facility for indoor games, hostels, staff quarters, provision of pathways, proper ventilation in classroom, greenery garden, provision of proper furniture.

2.2 Social Environment :- This is considered with human resources and their proper interaction. It includes relationship between students studying in same class, in different class, student participation in different school activities related teachers, relationship between teachers, principal & staff members & with parents, guardians, community & students, relationship of school employees, students & school officers, discipline, competition, neighborhood.

2.3 Psychological environment :- Good Psychological environment helps in making the students such that they like to participate in various activities, they seems to be very active, dedicated toward their work, seem to be internally motivated, participate according to individual differences, find fearless democratic environment.

2.4 Educational environment :- It helps in running of teaching learning activities smoothly. It includes, time-table, arrangement for absent teachers, discipline, teaching learning material & maintenance, arrangement of teaching aid, evaluation of teaching learning activities etc.

3.0 Sampling :- The sample for the study was taken from Aggarsain Senior Secondary School, Indus Public School & Govt. Sr. Sec. School Jind total 84 students 30 each from APS, IPS & 24 from Govt. Sr. Sec. School. Sample survey method was used for study.

4.0 Objectives of study :-

1. To compare the achievement in science of secondary students studying in private school & govt. school.
2. To compare the achievement in science of secondary students studying in public & government school.
3. To find relationship between the school environment and the academic achievements of secondary students.
4. To compare the school environment of secondary students studying in private & government school.
5. To compare the school environment of secondary students studying in private & government school.
6. To compare the school environment of secondary students studying in public & government school.
7. To compare the school environment of secondary students studying in private & public school.

5.0 Hypothesis :-

1. These exists significant relationship between school environment and academic achievement of secondary students.

2. There are variations in environment conditions of different schools with different managements at different locations.
3. The classroom situations of these schools show a significant difference.

6.0 Research Tools :-

1. An achievement test in science.
2. Classroom situation questionnaire.
3. Schools Observation schedule.

7.0 Uses of Statistical Technique

1. Mean
2. Standard deviation
3. The Statistical method of 't' Value was used to find out the significance of difference in mean scores of interagency & achievement.

8.0 Data Collection & Scoring :- The adopted tool I was achievement test in science was administered to all the students and 40 minutes were given to complete the test. Classroom situation questionnaire to students & teachers were given. The students were given necessary instructions before allowing them to answer the questionnaire. The meaning of terms and items which the students could not understand if any were explained to them. The students & teachers were told that confidentiality would be maintained. Scoring was done on the basis of three point scale and for achievement test in science one score was given for each of the correct response. The mean, standard deviation and t value was used to find out significance of different in mean scores of interagency & achievement.

9.0 Analysis :- an analysis it was found that these academic achievements of students of Aggarsain Senior Secondary School are best among the sample and that of Govt. Sr. Sec. School is lowest.

Table 1 : Comparison of achievement test score of Aggarsain Senior Secondary School and Indus Public School.

School	Mean Int. Test Score	N	Difference in mean	σ	t	Interpretation
Aggarsain Sr.Sec. School	29.07	30	2.37	1.882	1.259	Not Significant
Indus Public School	26.7	30				

Table 1 reveals that 't' value is significant at 0.05 level for df= 58 should be.

So It indicates that there is no difference in the achievement of students of Aggarsain Senior Secondary School and Indus Public School.

Table 2 :- Comparison of Achievement Test score of Aggarsain School & Govt. School.

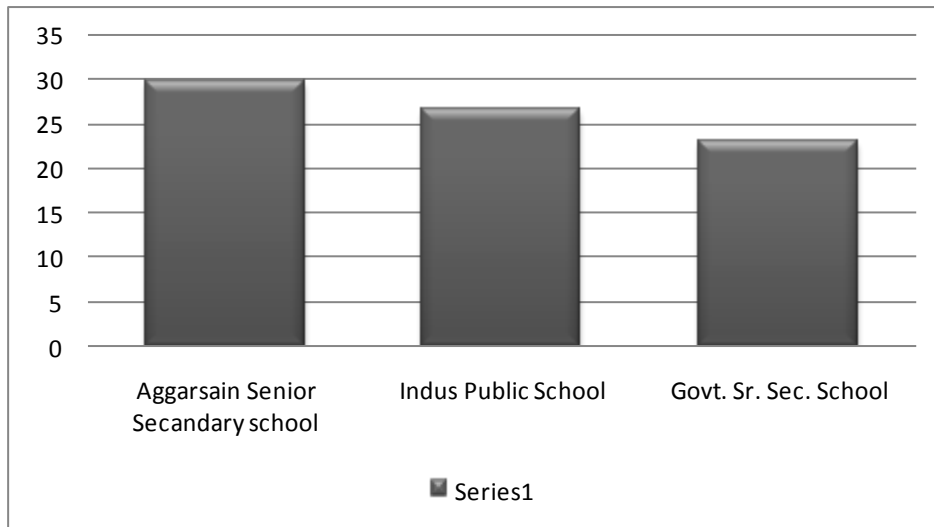
School	Mean Int. Test Score	N	Difference in mean	σ	t	Interpretation
Aggarsain Sr. Sec. School	29.07	30	6.02	1.87	3.32	Significant at 0.01 level
Govt. Sr. Sec. School	23.05	24				

The 't' value of difference is 3.32. It implies that there is a good difference in average achievement of children in these schools.

Table 3 :- Comparison of Achievement Test scores of Indus Public school & Govt. Sr. Sec. School.

School	Mean Int. Test Score	N	Difference in mean	σ D	t	Interpretation
Indus Public School	26.7	30	3.65	1.673	2.18	Significant at 0.05 level
Govt. Sr. Sec. School	23.05	24				

The 't' value for difference is 2.68. So achievement of children differs appreciably.



10.0 Comparison between school environment :-

Nine environment factors of a school are taken into consideration for present study. Each factors were compared with the help of information collected by school observation schedule & classroom situation questionnaire. These are affiliation, discipline, competition, student’s participation and interest, flexibility and authoritarianism, physical environment, Co-uerricular activities & para curricular facilities.

No	Environmental factors	Aggarsain Sr. Sec. School	Indus Public School	Govt. Sr. Sec. School
1	Affiliation	100.5	108.37	87.55
2	Discipline	101.7	106.7	80.75
3	Competition	100.75	102.93	90.4
4	Student Part & interest	100.63	105.8	86.95
5	Flexibility	103.73	97.77	96.4
6	Authoritarianism	102.27	88.93	114.65
7	Physical Environment	61	37	51
8	Co-Curricular activities	52	37	67
9	Para Curricular activities	60	42	48

Table 4 :- Comparison of School environment in terms of score calculated for each aspects.

From this table it is clear that the general classroom situation is better in Aggarsain Senior Secondary and Indus Public School than Govt. Senior Secondary School. The other aspects of school environment are better in Aggarsain Senior Secondary school than other two schools.

11.0 The following are finding of the study.

1. Different aspects of school environment varied from school to school.
2. Academic achievement of student of three schools differ significantly.
3. The gifted students from the school with better environment in general shows that A.P.S. school is better. Students of this showed higher academic achievement.
4. Flexibility shows position relationship with academic achievement of children. Flexibility is highest in Aggarsain Senior Secondary School.
5. Co-Curricular activities show not a positive relationship with academic achievement of students.
6. Affiliation, Discipline, Competition, Students participation and interest, Authoritarianism, Physical environment and para-curricular facilities have relationship with academic achievement of students.

12.0 Conclusions :- From the foregoing discussion we can come to the following conclusions

1. The variation in school environment has an effect in academic achievement of students.
2. The classroom situation is more important than other aspects of school environment. But the physical environment and para-curricular activities have same effect on academic achievement of students.
3. Authoritarianism in schools lowers the academic achievement of students.

4. The school with better environment in general has better academic achievement of students.

13.0 Suggestions for further study :-

The investigator is of view that following studies can be fruitfully made by future researchers.

1. The effect of identification and grouping the students in schools to their academic achievements.
2. To study the relationship between teacher's experience and special training and achievement of students.
3. To find out the effect of environmental factors on students.
4. The relationship between the achievements of students and the attitude of adults viz. teachers, elders, relatives towards them.

14.0 Reference :-

1. Aggarwal, J. C. (1976) ; "Educational Administration", M. Phil Dissertation, Jamia Millia Islamia.
2. Best, J.W. (1982) ; "Research In Education" (Fifth Edition) New Delhi : Prentice Hall of India Pvt. Ltd.
3. Gupta, A.K. (1968) ; "Standardized Achievement Test In Higher Secondary Class", M.Ed. Dissertation, Jamia Millia Islamia.
4. White, D.W. (1986) ; "Relationship Between School Climate & Students Achievement", University of florida.