

The Impact of Parent Involvement and Education Level on Secondary School Student's Academic Achievement in District Sivasagar, Assam

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ABSTRACT

Education of children is one of the key factors for the development of human civilization because education is believed to increase human capabilities to create productive human beings capable of advancing the nation. This study aimed at finding out the impact of parent's involvement and education level on secondary school student's academic achievement. **Methods and Materials:** Descriptive-correlational research design was adopted for conducting this study. The study was conducted at 12 government and private Secondary schools in Sivasagar district, Assam. The population of the study includes all the secondary school students from class 7th grade to 10th grade (13-18 age group) studying in the district of Sivasagar, Assam under Assam Higher Secondary Education Council. A total of 500 secondary school students, 250 male, 250 females were selected from 12 schools of Sivasagar district. In the present study stratified random sampling has been used to collect required data. Chouhan and Arora, The Parental Involvement Scale (2009) were used to measure parental involvement. The scale consists of 25 statements. Each statement has five options namely- Always, Often, Sometimes, Rarely, Never. Academic achievement of students was collected from final examination results with the permission of school authorities and students. **Results:** Study findings showed that the majority of the secondary school student's parents were highly involved in their child's academics. Findings also showed that the majority of the student's academic achievement was above average (65.73). There is a significant positive relationship between parental involvement, education level, and secondary school student's academic achievement. (<0.01). **Conclusion:** The finding of the study stated that parental involvement and education level has a direct impact on secondary school student's academic achievement. Being the first teacher for every child's parents plays a major role in a child's academics and performance. Every parent should try to provide a positive environment for their children and give them support, guidance, motivation, time for their education.

Keywords: Parental Involvement, parental education, Academic Achievement, Secondary School Students

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Education is one of the most essential and important assets for civilized society. It is the key to nation-building and improves society as a whole. Every child should get an equal opportunity to educate themselves to the best of their abilities and contribute to society, nation from the knowledge they gathered from their education. It is the primary duty of the parents to encourage, support their child, and try to provide them positive environment and opportunities for education. Parent's involvement and education play a major role in the academics of their children. Parent's involvement is a very important factor in their child's education to guide, motivate and help their child to build interest in their academics and perform better in their education. Study findings supported that parents with high-level education show more interest and involvement in their child's performance in their academics while they were in secondary school. Which they suggested that it leads to performance and achieve better in their academics. (Khan, R et al, 2015)

Parent's involvement in child's academics plays a big role in child's interest and motivation towards their studies. Study findings reported that there is a significant positive correlation between parental involvement and secondary school student's academic achievement. (Vijayalakshmi & Muniappan, 2016; Ghanney, 2018). when parents assist their children in their academic work at home, they significantly outperformed others whose parents do not.

Parents' education level with their child's academics not only plays a big role in the child's learning process but also helps improve the academic achievement of the child. Parents play an important in shaping the thoughts and behaviour of their children. Parents with high involvement can positively influence the children, the research has cleared that those students whose parents are highly educated having a high level of academic achievement (Qadri, 2018; Passiri, 2017)). Child academic achievement is a key factor for a child's interest in studies. It gives the child motivation to do well and also gives them a sense of pride or achievement. Good grades and high-performance help students to secure good schools, colleges, institutes, and even jobs in the future, and eventually leading them to a better future.

The present study also contradictory to some earlier research findings that there is no significant relationship between parent's education level and child academic achievement. Based on the findings of the study, it was concluded that father's and mother's level of education are not significant predictors of academic performance of students at Colleges of Education in the North-Eastern States, (Nigeria et al, 2016). Interestingly, study revealed that less qualified parents' have high expectations from their children. They show considerable involvement in their children's studies by providing them with facilities for studies and by encouraging them. (Shoukat et al, 2012).

Parent's involvement and education play a major role in the academics of their children. How a child raised by his parents has a huge influence not only on that child but also on society as well. Parents were the first teachers for their child and depending on the home environment that the child lives in, their emotional and cognitive development also depends. To help child, grow in a healthy, positive way parents' roles come into play. According to Adams (1996) stated, "Low parental involvement has a negative effect on academic performance of students because basic needs of students remain unfulfilled and hence, they do not perform better academically."

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In recent times we are witnessing a drastic change in the education system, with the improvement of the organization, curriculum, teaching techniques, and involvement of technology in education, it helps improve the quality of education. With this improvement people were also started taking their children education more seriously. Parents start focusing on their children's academics, and they expect to get good results from their children. The present study was conducted in Sivasagar a district in upper Assam. Studies around the world by many researchers covered this topic on the influence of parental involvement and education level on their child's academic achievement. However, comprehensive yet concise research work on the variables like parental education level and involvement level, and academic achievement of students were located only in western and African literature. Hence there was much room left to work on the mentioned variables in India. Especially in the state of Assam, Sivasagar. There was no research conduct on this subject. Thus, this study aims for an earnest attempt with a new perspective to present epidemiology of the condition and related factors.

This study aims to understand the influence of parent's education and involvement level on their child's academic achievement and the difference between the academic achievement of students coming from parents with a high and low education background. The findings of this study would equip the concerned professionals in the district with the required information for building strategies in alleviating the condition of poor academic achievement in the district of Sivasagar, Assam.

Objectives of the Study

- To study the association between parent involvement level and secondary school student's academic achievement.
- To study the association between parental education level and secondary school student's academic achievement.

The hypothesis of the Study

- Null hypotheses were created based on the above objectives of the present study.
- There is no association between parent involvement level and secondary school student's academic achievement.
- There is no association between parental education level and secondary school student's academic achievement.

METHODOLOGY

A descriptive-correlational research design was adopted for conducting this study. The study was conducted at 12 government and private Secondary schools in Sivasagar district, Assam.

Population

The population of the study includes all the secondary school students from class 7th grade to 10th grade (13-18 age group) studying in the district of Sivasagar, Assam under Assam Higher Secondary Education Council.

Sample and sampling method: A total of 500 secondary school students were selected from 12 schools of 2 sub-division of Sivasagar district. The selected sample size is between the 13-18th age group studying in 7th to 10th grade in these secondary schools.

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In the present study stratified random sampling has been used to collect required data. The researcher divided the district Sivasagar into 2 sub-division namely Sivasagar, Nazira. The sample is selected from 7th to 10th-grade students (13-18 age group) studying in this selected secondary school of district Sivasagar. Both government and private aided schools and urban and rural schools were selected for the study.

Instrument used

Chouhan and Arora, The Parental Involvement Scale (2009) were used to measure parental involvement. The scale consists of 25 statements. Each statement has five options namely- Always, Often, Sometimes, Rarely, Never.

Data collection procedure and timeline

The researcher of the present study collected the data by administering the tool mentioned earlier to the secondary school students studying in 7th to 10th grade on various private and government schools of the Sivasagar district. To collect student's academic achievement researcher collected their previous year's final exam marks with the consent of the students and school authorities.

Statistical tool

For the analysis, descriptive statistics were implied using the frequencies option and within that Mean and Standard deviation were observed. Descriptive statistics help describe and understand the features of the sample data. For measuring the correlation between parental involvement level and secondary school student academic achievement Pearson correlation method was used. To measure the correlation between parental education level and secondary school student academic achievement Pearson correlation method was used.

RESULTS

Table 1- Descriptive statistics of the variables (N= 500)

Variable	Mean	SD
Parental involvement level	3.85	1.054
Mothers' education level	1.58	.630
Fathers' education level	1.71	.705
Child Academic achievement	65.73	11.901

Parental involvement was measured through The Parental Involvement Scale by Dr. Vijaya Laxmi Chouhan and Mrs. Gunjan Ganotra Arora, child academic achievement was measured through their last year final exam results. And parent's education level was measured by a demographic detail sheet. The higher the score in the Parental Involvement Scale, the higher the parents involved in their child's life and academics. In the given table the mean and SD of the different variables can be found. Parental involvement scale has the range of 1-5 as the minimum and maximum obtained scores, and the obtained mean of the sample is 3.85 and SD is 1.054 which shows a high level of involvement of parents in their child's education in the present study. Mother and father education has the highest scoring for education is 3, and the obtained mean was respectively 1.58 and 1.71 and SD was .630 and .705. Child academic achievement has the highest score of 100, and the mean and SD of the sample are 65.73 and 11.901, which indicate high academic achievement of the sample of the study.

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Table 2- Frequency distribution of Gender

Gender	Frequency	Percent
Male	250	50.0
Female	250	50.0
Total	500	100.0

In the present study, there were 500 total participants, 250 female, and 250 males.

Figure-1. Bar chart of the frequency distribution of gender

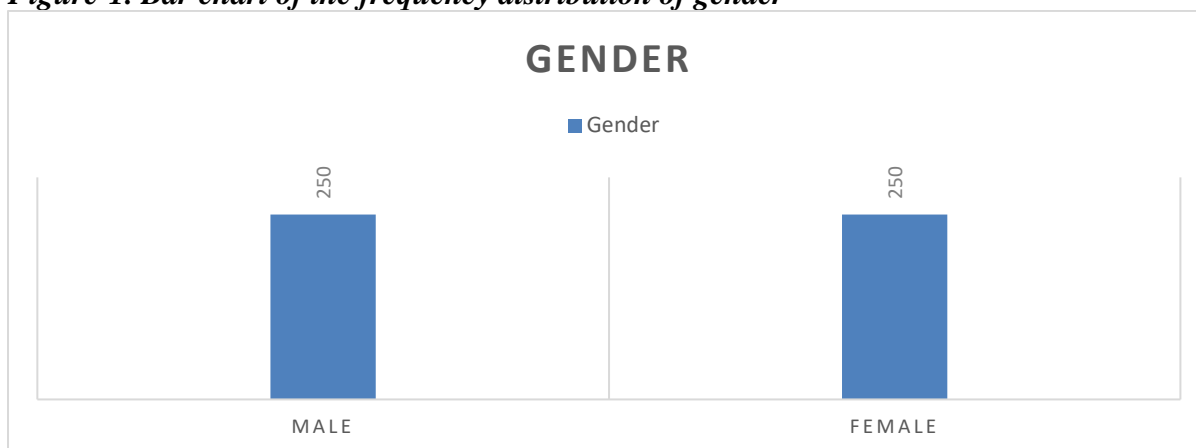
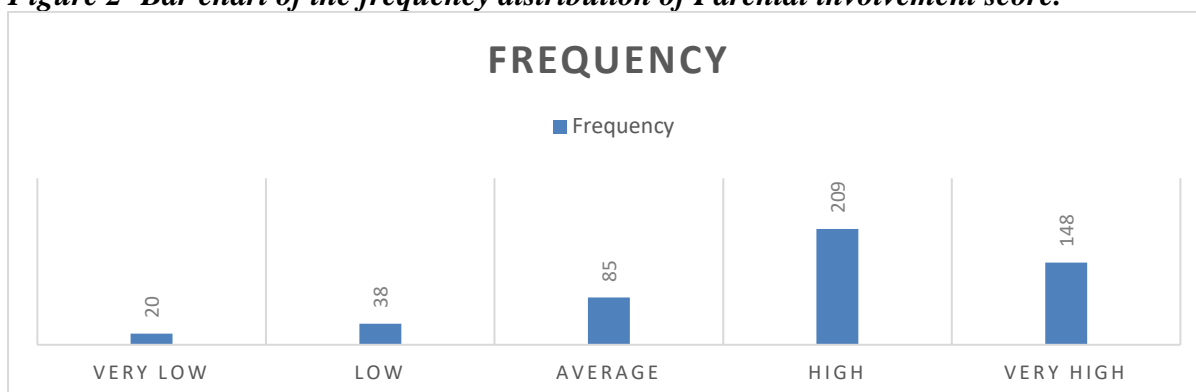


Table 3- frequency distribution of parental involvement score

Involvement score	Frequency	Percent
Very low	20	4.0
low	38	7.6
Average	85	17.0
High	209	41.8
Very Low	148	29.6
Total	500	100.0

Figure 2- Bar chart of the frequency distribution of Parental involvement score.



In the above table and histogram, the parental involvement score was presented taken with the help of The Parental Involvement scale. The scale ranging from 1-5 score stating very low to very high parental involvement. From the total 500 samples, the highest score obtained by samples was 4, around 41.8 percent depicting high-level parental involvement,

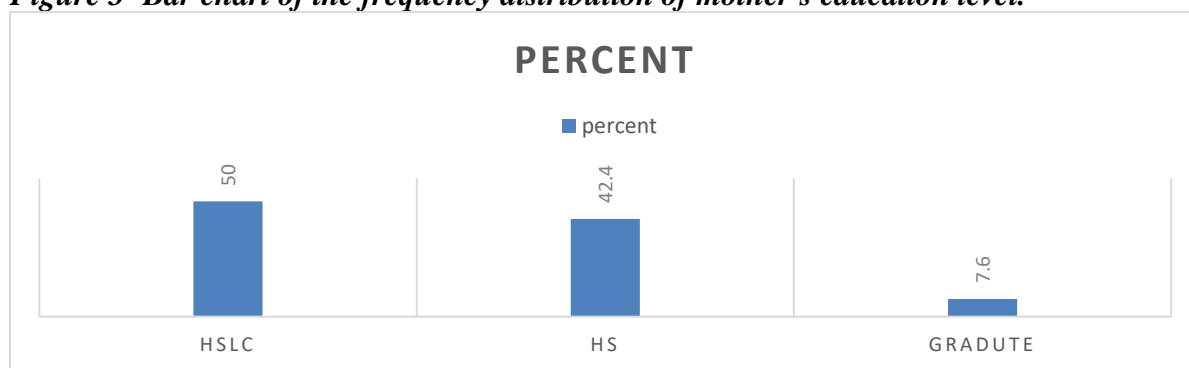
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following 29.5 percent by very high parental involvement and 4 percent by very low parental involvement.

Table 4- frequency distribution of mother's education

Level of Education	Frequency	Percent
HSLC	250	50.0
HS	212	42.4
Graduate	38	7.6
Total	500	100.0

Figure 3- Bar chart of the frequency distribution of mother's education level.

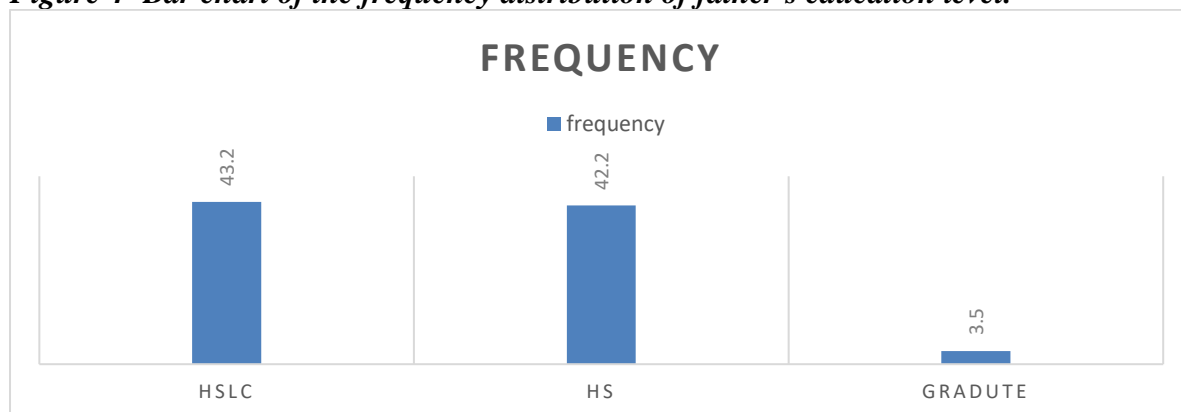


In the above table and histogram, the mother's education level was presented. The education level of parents was scored as 1-3 stating 1 as 10th-grade pass out or below, 2 as 12th-grade pass out, and 3 as graduated. Given table depicted that out of 500 samples 50.0 percent of the mothers were only studied till 10th grade (HSLC) and 7.6 percent sample were graduates.

Table 5- frequency distribution of father's education

Level of Education	Frequency	Percent
HSLC	216	43.2
HS	211	42.2
Graduate	73	14.6
Total	500	100.0

Figure 4- Bar chart of the frequency distribution of father's education level.



In the above table and histogram, the father's education level was presented. The education level of parents was scored as 1-3 stating 1 as 10th-grade pass out or below, 2 as 12th-grade

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pass out, and 3 as graduated. Given table depicted that out of 500 samples 43.2 percent of fathers were only studied till 10th grade (HSLC) and 3.5 percent sample were graduates.

The Pearson correlation method was used to analyze the correlation between parental involvement and secondary school student's academic achievement.

Table 6-: Relationship Between Parental Involvement and Achievement of Secondary School Students. (N=500)

Variable	Maximum Score	Mean	Standard Deviation	Co-efficient of correlation(r)	P
Parental involvement	5	3.85	1.054	.469	<0.01
Academic achievement	100	65.73	11.901		

By analyzing both the variable parent involvement level and their academic performance using the Pearson correlation method it is found out that there is a significant correlation at the 0.01 level. Indicating that there is a positive relationship between parent involvement level and child academic achievement hence the null hypothesis was rejected that there is no significant relationship between children's academic performance with parental involvement.

Table 7-: Relationship Between Parental education level and Achievement of Secondary School Students. (N=500)

		result	mother education	father education
Result	Pearson Correlation	1	.261**	.203**
	Sig. (2-tailed)		.000	.000
	N	500	500	500
Mother Education	Pearson Correlation	.261**	1	.457**
	Sig. (2-tailed)	.000		.000
	N	500	500	500
Father Education	Pearson Correlation	.203**	.457**	1
	Sig. (2-tailed)	.000	.000	
	N	500	500	500

In the above table, both mother and father education level and child academic achievement correlation were measured by using statistical method Pearson correlation method. To analyze the correlation of parental education and child academic achievement. Results of the analysis indicate that there is a significant correlation at the 0.01 level between parent education level and child academic performance, hence the null hypothesis given by the researcher of the present study was rejected that there is no positive relationship between parental education level and their child academic achievement.

DISCUSSION

Results of the study findings showed that the majority of the secondary school student's parents were highly involved in their child's academics. Findings also showed that the majority of the student's academic achievement was above average (65.73). There is a significant positive relationship between parental involvement and secondary school

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student's academic achievement. Hence the Null Hypothesis There is no association between parent involvement level and secondary school student's academic achievement is rejected. Present study findings also showed that there is a significant positive correlation between parental education level and secondary school student's academic achievement. Hence there is no association between parental education level and secondary school student's academic achievement is rejected. Study findings indicate that parental involvement level and education level influences the academic achievement of their children. Similar findings are reported by Vijayalakshmi, Muniappan (2016) that there is an association between parental involvement and secondary school student's academic achievement. The study conducted by Passiri (2017) stated that there is a positive and significant influence of parental education level on academic achievement.

Parental involvement and education play a big role in child development in terms of interpersonal relationship, social relationship, academics, intellectual abilities, etc. parents' guidance, motivation, support for their children is one of the keys and determining factor for personality building of that child. In academics of children parent's involvement and education is a very important factor.

Findings of the present study indicate that parental education level and involvement level have a significant positive relation with secondary school student academic achievement. Based on these findings, it is suggested that parents should involve as much as possible with their child's academics, their day-to-day work, activities related to academics. Teachers also should interact with parents about students' performance. School authorities should take initiative to introduce new programs so that every parent can interact with their child in their education no matter their education level.

The findings of this study would equip the concerned professionals in the district with the required information for building strategies in alleviating the condition of poor academic achievement in the district of Sivasagar, Assam. Present study results will also help the researcher and concerned authorities to come up with required and unique ideas, how to improve children achievement in academics, also how to motivate parents to get involved in their children education, and guide motivates them to study.

CONCLUSION

In today's fast-growing world, children's education is one of the most important aspects, to ensure them a bright future, and to improve as a nation. Giving every child equal opportunity to educate themselves, is a multidimensional task. It requires the efforts of every teacher, parents, guardians, etc. it is the primary duty of every teacher and parent to give every child a positive, healthy environment where they can learn, explore new things, and educate themselves to their highest potential. The finding of the study stated that parental involvement and education level has a direct impact on secondary school student's academic achievement. Being the first teacher for every child's parents plays a major role in a child's academics and performance. Every parent should try to provide a positive environment for their children, develop and give them enough support, guidance, motivation, time for their education.

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Conflict of Interest

The author(s) declared no conflict of interest.

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