Impact of Environmental Factors on Student’s Educational Background and Their Future Performance

Muzamil Hussain AL Hussaini¹*, Tariq Hussain²
Educational researcher  Qurtuba University

Corresponding Author: Muzamil Hussain AL Hussaini
muzamilqurtuba@gmail.com

ARTICLE INFO
Keywords: Environmental Factors, Educational Development, Physical Factors, Development

Received : 30 May
Revised : 23 June
Accepted: 17 July

This study examines the impact of environmental factors on student’s educational background and their future performance among 500 male and female students of high school classes four tehsils of district Bhakkar. Environmental factors have both type of impacts positive and negative impacts on students educational development and their future development such as physical, moral, Socioeconomic status, Parental involvement and Peer influences. In this study objectives were to investigate (1) Identifying strategies to create a conducive learning environment (3) Developing interventions to mitigate negative environmental impacts (4) Raising awareness about the importance of environmental factors in education hypotheses and research questions were designed for the purpose of testing and answering through the collected empirical data from the sample group and these objectives testified by hypotheses. The population of the study included all the govt high school from which the researcher selected 500 respondents through stratified random sampling techniques. The design selected for the study was survey. The researcher designed research instruments for data collection from the respondents of the study, one was a Likert scale questionnaire

DOI: https://doi.org/10.55927/ijsmr.v1i6.5021
ISSN-E: 2986-5042
https://journal.formosapublisher.org/index.php/ijsmr
INTRODUCTION

Environmental factors can have a significant impact on students' educational background and their educational performance. Different types of environmental factors which are home based or out directly and indirectly involved on students future educational performance and these may be physical, cultural, moral, social, parental or school environment based.

According to Dyment J (2005) the physical environment of a school can also impact students' educational background and performance. Students who attend schools with well-maintained facilities and classrooms that are conducive to learning are more likely to perform better academically than students who attend schools with poorly maintained facilities and classrooms.

Blair, D (2009) explore Cultural factors, such as race and ethnicity, can also influence students' educational performance. For example, students from minority backgrounds may experience discrimination, which can lead to lower self-esteem and academic achievement.

Dyment, J. E., & Bell, A. C. (2008) are view that the social environment of a school can also impact students' educational background and performance. Students who attend schools with supportive and inclusive social environments are more likely to thrive academically than those who attend schools with negative social environments.

Socioeconomic status: Students from low-income families may have limited access to resources such as books, technology, and extracurricular activities. This can impact their educational background and future performance by limiting their opportunities for learning and personal growth.

Muñoz, S. A (2009) says Research shows that students whose parents are involved in their education are more likely to perform better academically. This involvement can take many forms, such as helping with homework, attending parent-teacher conferences, and volunteering at school.

Lester, S., & Maudsley (2006) explore that the quality of the school can also impact a student's educational background and future performance. Schools with fewer resources may have larger class sizes, fewer extracurricular activities, and fewer advanced placement courses.

Dan Daviesa, D, Jindal-Snapeb (2013) explore that Students can be influenced by their peers, both positively and negatively. Peer pressure can affect academic performance, and students who are surrounded by peers who value education and learning are more likely to perform well.

Gilavand A, Espidkar F, Gilavand (2016) says that the home environment can also impact a student's educational background and future performance. Students who have a supportive home environment with a stable family structure are more likely to succeed academically.

Overall, environmental factors can have a significant impact on a student's educational background and future performance. Addressing these factors can help ensure that all students have the opportunity to succeed academically.
LITERATURE REVIEW

The environmental factors that surround students can have a significant impact on their educational background and future performance. Some of the aims of understanding these impacts include:

Identifying the factors that influence students' academic achievement: Environmental factors such as socioeconomic status, family background, school quality, and neighborhood conditions can all have an impact on a student's academic achievement. Understanding these factors can help educators and policymakers develop strategies to mitigate negative impacts and support students who face barriers to academic success.

Mainly improving educational outcomes for all students by identifying and addressing environmental factors that contribute to achievement gaps, educators and policymakers can work to improve educational outcomes for all students, regardless of their background or circumstances. Supporting students' social and emotional development: Environmental factors such as school climate, safety, and social relationships can impact students' social and emotional development, which in turn can influence their academic success. By understanding these impacts, educators can develop strategies to support students' social and emotional well-being, which can contribute to their long-term success. Promoting equity and reducing disparities: Understanding the environmental factors that contribute to disparities in educational outcomes can help educators and policymakers develop targeted interventions to promote equity and reduce disparities. This can include efforts to improve school quality, increase access to resources, and provide targeted support to students who face systemic barriers to success.

Overall, understanding the impact of environmental factors on students' educational background and future performance is critical for promoting equity, improving outcomes for all students, and supporting students' holistic development.

Figure 1. Conceptual Framework
METHODOLOGY

Participant or population were school students admitted in different classes and their class wise group had been taken. Sample was taken via simple random sampling techniques with the help of Krejice and Morgan table 1970 and sample size is 350. Quantitative approach was used.

RESULTS

After data collected from respondents it analyzed by SPSS and other statistical significance and also means,frequency,standard deviation and values. Further analyzed tables are as

Table 1. Impact of Environmental Factors on Student’s Educational Background and Their Future Performance

<table>
<thead>
<tr>
<th></th>
<th>Frequency</th>
<th>Percent</th>
<th>Mean</th>
<th>SD</th>
<th>t value</th>
<th>P value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Valid</td>
<td>Group A</td>
<td>432</td>
<td>49.1</td>
<td>1.5309E2</td>
<td>31.68393</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Group B</td>
<td>272</td>
<td>50.9</td>
<td>1.6753E2</td>
<td>29.18251</td>
<td>-6.373</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>704</td>
<td>100.0</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

This section deals with the demographic information of respondents of the sampled groups. The table 4.1 describes the representation of sampled group from school students bhakkar for the study. A total of 432 (49.1%) Group A members and Group B 272 (50.9%) were investigated for this study.

The mean differences between groups respondents were significant as shown by the t value -6.473 with p value .000

Table 2. Gender-wise Description and Comparison

<table>
<thead>
<tr>
<th></th>
<th>Frequency</th>
<th>Percent</th>
<th>Mean</th>
<th>SD</th>
<th>t value</th>
<th>P value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Valid</td>
<td>Male</td>
<td>432</td>
<td>66.7</td>
<td>1.5865E2</td>
<td>31.53571</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Female</td>
<td>272</td>
<td>33.3</td>
<td>1.6268E2</td>
<td>26.97348</td>
<td>-1.697</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>704</td>
<td>100.0</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Like table 1 the table 2 illustrates gender-wise representation of the respondents from universities and Madaris of Khyber Pakhtunkhwa for this study. A total of 476 which is 67% of the sample group belong to male gender and 238 which make 33% of the sample belong to female gender.

The differences between male and female respondents on educational leadership is not significant as the mean scores 1.5865E2 and 1.6268E2 of male and female were not different which were verified by the t value -1.697 that is not significant at .072 which is higher than .05.
Table 3. Environmental Factors Percentages Age Wise

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Frequency</th>
<th>Percent</th>
<th>Mean squares</th>
<th>F</th>
<th>P value</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 to 12</td>
<td>398</td>
<td>55.7</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12 to 14</td>
<td>248</td>
<td>34.7</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14 to 15</td>
<td>56</td>
<td>7.8</td>
<td>2119.113</td>
<td>2.347</td>
<td>.072</td>
</tr>
<tr>
<td>15 and above</td>
<td>12</td>
<td>1.7</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>714</strong></td>
<td><strong>100.0</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Table 3 presents physical age of respondents of the study. This description reveals that 56% of the respondents belong to the age group of 10 to 12 while 35% belong to the age group of 12 to 13 and only 8% and 2% belong to the age groups and above.

These results showed that majority of respondents belong to young age group of 10 to 12 which reveals that majority of learning in schools. Furthermore, from the perspectives of differences among the selected age groups the f value 2.347 and the p value is .072 which is higher than

Table 4. Impact of Environmental Factors on Student’s Educational Background and Their Future Performance

<table>
<thead>
<tr>
<th>S #</th>
<th>Statements</th>
<th>Group A</th>
<th></th>
<th>Group B</th>
<th></th>
<th>t</th>
<th>P value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Students of institution has clear Vision</td>
<td>4.10</td>
<td>1.04</td>
<td>4.48</td>
<td>.879</td>
<td>-5.333</td>
<td>.000</td>
</tr>
<tr>
<td>2</td>
<td>Inspires the followers towards Vision</td>
<td>3.99</td>
<td>.987</td>
<td>4.36</td>
<td>.947</td>
<td>-5.050</td>
<td>.000</td>
</tr>
<tr>
<td>3</td>
<td>Persuades goodness and prevent</td>
<td>4.03</td>
<td>.927</td>
<td>4.44</td>
<td>.901</td>
<td>-5.890</td>
<td>.000</td>
</tr>
<tr>
<td>4</td>
<td>Takes as responsibility</td>
<td>4.03</td>
<td>.991</td>
<td>4.42</td>
<td>.944</td>
<td>-5.356</td>
<td>.000</td>
</tr>
<tr>
<td>5</td>
<td>Producing competent future professionals</td>
<td>4.05</td>
<td>1.03</td>
<td>4.51</td>
<td>.835</td>
<td>-6.520</td>
<td>.000</td>
</tr>
<tr>
<td>6</td>
<td>Environmental reformation</td>
<td>3.76</td>
<td>1.26</td>
<td>4.52</td>
<td>.839</td>
<td>-9.678</td>
<td>.000</td>
</tr>
<tr>
<td>7</td>
<td>Inspires others</td>
<td>3.72</td>
<td>1.24</td>
<td>4.55</td>
<td>.787</td>
<td>-10.925</td>
<td>.000</td>
</tr>
</tbody>
</table>

Table 4 illustrates the perceptions of students and mean scores 4.10 with SD 1.044 showed that the respondents of universities were agreed that their educational leaders have clear vision for their institutions. Similarly, the mean score 4.48 with SD .879 of the perceptions of the school learner about the practices and concept of educational performance reflected that they were agreed. Based on the results, the t value -5.333 which was significant at .000 showed
Research Results
Table 5. Impact of Environmental Factors on Student’s Educational Background and Their Future Performance

<table>
<thead>
<tr>
<th>S#</th>
<th>Statement</th>
<th>Group A</th>
<th>Group B</th>
<th>T</th>
<th>p</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Mean</td>
<td>SD</td>
<td>Mean</td>
<td>SD</td>
</tr>
<tr>
<td>1</td>
<td>Develop Students through moral teachings</td>
<td>3.64</td>
<td>1.277</td>
<td>4.39</td>
<td>.922</td>
</tr>
<tr>
<td>2</td>
<td>Tackling environmental issues</td>
<td>3.78</td>
<td>1.051</td>
<td>4.29</td>
<td>.877</td>
</tr>
<tr>
<td>3</td>
<td>Competent and creative to inspire</td>
<td>3.93</td>
<td>1.045</td>
<td>4.29</td>
<td>.905</td>
</tr>
<tr>
<td>4</td>
<td>Consults in decision making</td>
<td>3.79</td>
<td>1.128</td>
<td>4.15</td>
<td>1.192</td>
</tr>
<tr>
<td>5</td>
<td>School organizational gains</td>
<td>3.77</td>
<td>1.099</td>
<td>4.35</td>
<td>3.157</td>
</tr>
<tr>
<td>6</td>
<td>Role model, what he expects from others</td>
<td>3.77</td>
<td>1.028</td>
<td>4.15</td>
<td>1.080</td>
</tr>
<tr>
<td>7</td>
<td>Prefers doing things in ethics manner</td>
<td>3.94</td>
<td>1.012</td>
<td>4.44</td>
<td>.881</td>
</tr>
<tr>
<td>8</td>
<td>Exhibits educational background</td>
<td>3.90</td>
<td>1.000</td>
<td>4.36</td>
<td>.860</td>
</tr>
<tr>
<td>9</td>
<td>Future Trustworthy and self-accountable</td>
<td>3.91</td>
<td>1.021</td>
<td>4.29</td>
<td>.949</td>
</tr>
<tr>
<td>10</td>
<td>Motivate others through spiritual activities and performance</td>
<td>3.79</td>
<td>1.058</td>
<td>4.34</td>
<td>.896</td>
</tr>
</tbody>
</table>

Above table show Impact of environmental factors on student’s educational background and their future performance in different types of indicators. Most top indicator such develop students through moral teachings means score 3.64 while in group B 4.39. First statement shows that Group B level of educational performance more affected by environmental factors.

DISCUSSION
The impact of environmental factors on students' educational background and future performance is a complex and multifaceted issue. Numerous studies have shown that environmental factors such as family background, socioeconomic status, parental education level, and access to resources like quality schools, teachers, and educational materials can significantly influence students' academic success. Students from disadvantaged backgrounds are more likely to experience educational challenges, such as low academic achievement, high dropout rates, and limited opportunities for post-secondary education. They are also more likely to face socio-economic barriers to success, such as poverty, inadequate housing, lack of access to healthcare, and limited access to technology.
CONCLUSIONS AND RECOMMENDATIONS

However, it is essential to note that while environmental factors can have a significant impact on a student's educational outcomes, they are not deterministic. Many students from disadvantaged backgrounds have gone on to achieve great success in their academic and professional lives. To overcome the negative impact of environmental factors, students may need additional resources, such as mentoring programs, after-school programs, access to academic support, and other interventions that can help them succeed academically and prepare for the future. In conclusion, environmental factors play a significant role in shaping students' educational background and future performance. However, with the right resources and support, students can overcome these challenges and achieve success in their academic and professional lives.

There are several implication that could help decrease the environmental impact of students' education:

• Reduce the use of paper: Encourage teachers and students to use electronic devices such as laptops, tablets, and smartphones to take notes, read materials, and complete assignments. This can significantly reduce the amount of paper used in schools.
• Promote waste reduction and recycling: Schools can implement recycling programs and encourage waste reduction through composting and reducing the use of single-use plastics.
• Encourage sustainable transportation: Encourage students to use bicycles, public transport, or walk to school instead of using cars. This can reduce greenhouse gas emissions and air pollution.
• Integrate sustainability into the curriculum: Incorporate environmental sustainability into the curriculum, including topics such as climate change, conservation, and renewable energy. This can help raise awareness and promote a culture of environmental responsibility among students.
• Reduce energy consumption: Schools can reduce energy consumption by using energy-efficient lighting, heating, and cooling systems, and by turning off lights and electronics when not in use.
• Engage in eco-friendly activities: Encourage students to participate in eco-friendly activities, such as planting trees, cleaning up litter, and conserving water. This can help students learn about the importance of protecting the environment and develop a sense of responsibility.

By implementing these recommendations, schools can significantly decrease their environmental impact and promote a culture of sustainability among students.
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