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SOME FACTORS INFLUENCING IN STUDENT ACHIEVEMENT

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ABSTRACT

The economic situation, study and homework habits, time management, health status, and family relationships all impact the academic success of students. This study aims to identify the factors that have the most impact on student academic achievement. The factors that impact students' academic success are classified into four groups according to their perception: the teacher's role, school culture, learning environment, and parental involvement. The goal of the research is to present the outcomes by utilizing the research that reveals each specific indicator from the students. The academic success of students can be affected by many factors, but those linked to the student's personality are the most important.

The achievement of students is regarded as a crucial indicator of excellent academic performance. This study mainly focuses on investigating the influences of teacher, student, school, and family factors on students' achievement. Few study reviews were made on the absolute factors which influence their achievement.

KEYWORDS

Student, Achievement, Attitude, Motivation, Learning Style, Factors

CITATION

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Introduction.

Academic achievement is the attainment of high results or desired goals in an educational setting. Factors influencing student interest and success in learning need to be researched to improve education quality. Internal and external motivation directly impact student learning behavior, which in turn affects academic success. This relationship highlights the importance of understanding and fostering motivation to enhance student achievement.

Key factors in the student learning process include:

- ✓ It is essential to consider the student's needs
- ✓ Student's interests, and their passions
- ✓ Providing access to learning resources such as books, textbooks, and educational materials
- ✓ Encouraging students' enthusiasm and skills
- ✓ creating a conducive educational environment with well-equipped laboratories and technology
- ✓ Improving classrooms and infrastructure, learning environment and equipment
- ✓ Classroom and technology improvements
- ✓ Material environment and infrastructure
- ✓ Financial status and attitude
- ✓ Family support and culture
- ✓ Teacher orientation and skills, effective teaching methods
- ✓ Communication ethics, positive influence and
- ✓ Student's peer interaction.

Identifying the factors that impact student learning through research can lead to improvements in academic success, educational quality, and overall benefits for students.

The research aimed to identify and evaluate factors influencing student academic success.

1. Create a survey questionnaire and conduct research using it.
2. Analyze the research findings to determine and assess the factors influencing students' academic performance.

Research work is crucial for understanding the factors influencing students' academic success and developing strategies to enhance it based on participant feedback.

Student study involves acquiring professional knowledge, skills, and practices through learning activities. Success depends on interest in the field, self-study methods, school policies, environment, teacher-student relationships, assessment, course organization, teaching methods, class dynamics, atmosphere, and financial factors like tuition fees and incentives.

Scholars have examined academic achievement from various perspectives. For instance, researchers like D. Atkinson, D. McClelland, A. K. Markova, Y. M. Orlov, and H. Heckhausen have explored the development of motivation for success. V. K. Vilyunas, L. N. Betopolskaya, S. N. Lysenkova, E. A. Nikitina, and S. L. Rubenstein have discussed the psychological aspect of personal emotions towards academic outcomes. Additionally, Y. K. Babansky, V. V. Davydov, G. D. Kiridlova, V. V. Kraevsknyi, I. Yalerner, V. Yu. Pityukov, and G. I. Shchukina have examined academic success as the quality of education in relation to educational outcomes and efficiency.

Learning Style: Each learner has a unique way of learning that impacts their learning process. Some students excel at auditory learning, while others thrive on visual information.

Analytical psychologist developed a theory based on K.Jung's theory that explores different learning styles. According to this theory, extroverted learners prefer group settings and social interaction to enhance their learning experience.

Advantages of extroverted learners:

1. Strong problem-solving and group organization skills
2. Effective at teaching through methods like problem-based learning

If you enjoy teaching, group work, and hands-on learning, you may be an extroverted learner.

Characteristics of extroverted learners:

- ✓ Learn through hands-on experience.
- ✓ Collaborate well in group settings.
- ✓ Supportive of others' ideas.
- ✓ Enjoy leading and participating actively
- ✓ Make decisions independently.
- ✓ Many photographers are extroverts.

Introverted learning style and characteristics:

- ✓ Prefer working independently.
- ✓ Thrive in quiet study environments.
- ✓ Draw inspiration from internal sources.
- ✓ Listen and reflect before acting.
- ✓ Observe before trying new things.

40% of students are introverts who prefer to solve problems independently and draw energy from internal sources like researching theories and making plans. Introverted learners typically work and study alone and enjoy abstract ideas.

65% of students have an intuitive learning style, characterized by exploring possibilities and focusing on cognitive sensitivity. They enjoy imagining the future, abstract thinking, and dreaming.

Key traits include:

- ✓ Preferring short bursts of work over long sessions
- ✓ Thriving in new environments and conditions
- ✓ Embracing theory and abstract reasoning
- ✓ Prioritizing logic and rational thinking in problem-solving

Analyzing objects and information systematically. Individuals with an intuitive style make decisions based on logic rather than emotions.

Feeling-based learning style involves a focus on personal relationships, emotions, and social context. If you tend to base decisions on emotions and prefer to avoid conflict, you likely have a feeling-based learning style. Some key characteristics include:

- ✓ Being primarily interested in people and their emotions.
- ✓ Attentive to both your own and others' feelings.
- ✓ Making decisions based on emotions.
- ✓ Drawing energy and inspiration from group settings.

Critical Thinking Learning Style. Individuals with this learning style are highly organized and have a clear understanding of what they need to learn. They prefer structured and methodical learning approaches and are meticulous in their planning. If you possess strong organizational skills, attention to detail, and critical thinking abilities, you likely have a critical learning style. Approximately 45% of students exhibit this learning style. Key characteristics include:

- ✓ Dislike for ambiguity.
- ✓ Decisiveness.
- ✓ Exceptional organizational skills.
- ✓ Strong critical thinking abilities.
- ✓ Adherence to rules and guidelines.

Intuitive Learning Style: Individuals with this learning style tend to make decisions unconsciously as they acquire knowledge and adapt to changing environments. They are driven by curiosity rather than a need for structured decision-making. If you often start tasks but struggle to finish them and prefer spontaneity over planning, you likely have an intuitive learning style. Approximately 55% of all learners exhibit characteristics of this style, including:

- ✓ Making decisions unconsciously.
- ✓ Adjusting decisions based on new information.
- ✓ Disliking rigid structure and organization.
- ✓ Demonstrating flexibility and adaptability.

Methodology: The study utilized a questionnaire as the primary research tool. A questionnaire is an empirical method of data collection that involves asking specific questions designed to meet the research objectives. It allows for the collection of a large amount of information quickly and can reveal internal opinions. However, errors may occur if the questionnaire is not properly developed.

Research Sample: The study involved over 100 students from the Business Department and the School of Humanities at the University of Science and Technology. The data collected from the participants was analyzed to draw conclusions.

Key Factors:

Material Learning Environment: This encompasses factors such as classroom decoration, laboratory facilities, library services, book availability, and Wi-Fi access and speed.

Teacher Engagement: This includes aspects like teacher-student relationships, teaching methods, and instructional skills.

Student Community: This factor considers student relationships, community unity, knowledge sharing, diversity in levels, and collaborative learning.

Evaluation Criteria: Factors like evaluation flexibility, objectivity, and fairness were considered.

Other Influencing Factors: Parental involvement, peer support, and school policies aimed at student encouragement were also taken into account.

Learning style. Proficiency in research and analysis techniques, self-expression, cognitive analysis and synthesis. Comparative skills, information source identification. Information retrieval, reading, writing abilities. Listening skills. Time management, work organization, self-motivation, needs, interests, memory, and concentration are encompassed in this factor. Participants in the study were asked to assess the impact of the aforementioned factors on academic success and to identify areas of satisfaction and dissatisfaction. Let's explore how students defined the factors influencing academic success and their levels of satisfaction and dissatisfaction.

The composition of the students who participated in the study: 25 third-year students, 28 second-year students, and 47 first-year students.

The gender of the study participants: 70 male students. 30 female students.

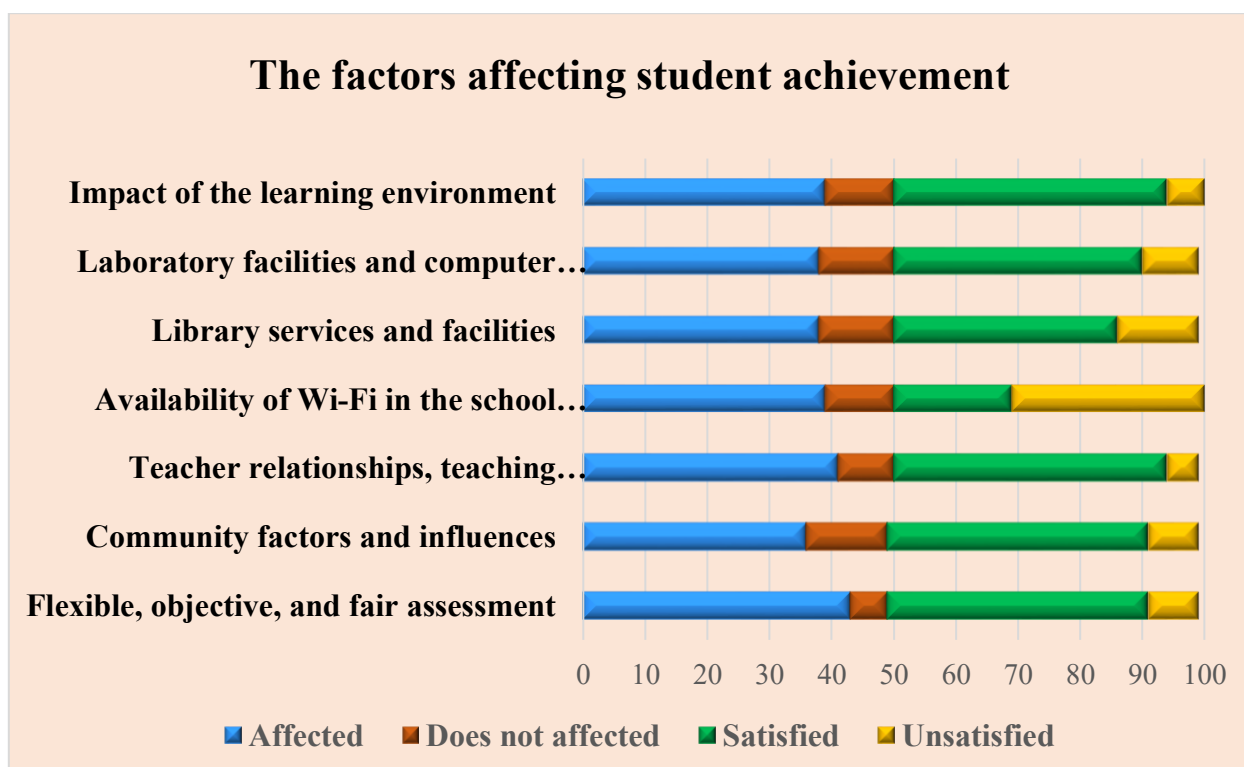
The impact of the learning environment on academic success: 78% of the study participants believed that the decoration of the school classroom affects academic success, 22% did not, 88% were satisfied, and 12% were dissatisfied. In other words, they voted that the decoration of the classroom in our school was satisfactory to the students and could positively affect academic success.

The impact of laboratory decoration and computer availability on academic success: 74% of the study participants believed that it was satisfactory, 26% did not, while 81% of the students were satisfied and 19% were dissatisfied. This shows that the decoration of the laboratory is satisfactory to the students and has a positive impact on academic success.

The survey results show that 73% of respondents are satisfied with library services and facilities, with 74% believing they impact academic achievement positively, while 26% do not. The high level of student satisfaction suggests that our school's library services and facilities are effective in enhancing academic achievement.

Regarding the availability of Wi-Fi in the school environment, 38% of respondents are satisfied, 62% are dissatisfied, with 77% believing it affects academic achievement and 23% saying it does not. This indicates that the availability and speed of Wi-Fi in our school have an impact on academic achievement, but improvements are needed.

In terms of teacher relationships, teaching methods, and skills, 89% of students are satisfied with these aspects, with 82% believing they have a positive impact on academic achievement and 18% stating otherwise.



Community factors also play a role in academic success, with 71% of students indicating that their relationships with others influence their academic success. Additionally, 84% are satisfied with the unity and closeness of the community, 66% with the quality and level of knowledge of students, and 83% with the ability of students to help each other and learn together.

Flexible, objective, and fair assessment practices are seen as beneficial for student academic success, with 84% of respondents appreciating the flexibility of teacher evaluations, 86% valuing objectivity, and 91% recognizing fairness. However, there are also dissatisfied respondents (16% for flexibility, 15% for objectivity, and 15% for fairness), indicating room for improvement in evaluation practices.

Factors influencing academic success: According to the survey, participants identified parental attention (69%), support from friends and fellow students (85%), the school administration's educational policy (74%), and the school administration's encouragement of students (66%) as key factors. The survey also considered other factors affecting academic success. The results indicate that students are content with these factors.

Impact of learning style on academic success: The survey highlighted that mastery of research and analysis methods, self-expression, analytical skills, summarization and comparison of information sources, reading and writing abilities, listening skills, time management, organizational skills, personal effort, needs, interests, memory, and concentration are significant factors influencing academic success.

Conclusions

The study concluded that academic success is a crucial indicator that reflects a student's personal and learning requirements, assessment outcomes, and societal standing. Higher academic success leads to increased student satisfaction and self-awareness.

The primary factors influencing academic success are the student's own learning strategies, research and teaching proficiency, self-expression, analytical skills, time management, personal efforts, interests, memory, and concentration. Additionally, factors such as community cohesion, communication, parental support, peer relationships, teaching methods, assessment fairness, learning environment, and institutional policies play a significant role in shaping the quality of education.

It was observed that students are dissatisfied with certain aspects such as Wi-Fi access, library services, student knowledge levels, community diversity, and institutional policies. The quality of higher education is not solely dependent on teachers but also on skill standards, content, facilities, management, and student academic performance. Graduates should possess the necessary competencies to meet societal and labor market demands, and their development should encompass attitudes, skills, and knowledge.

To ensure quality education, institutions must focus on content, processes, educators, infrastructure, funding, and assessment standards. Student motivation and learning behavior are crucial in achieving graduation standards, with motivated and disciplined learners more likely to meet competency requirements.

In conclusion, the student achievement is influenced by a complex interplay of individual, environmental, instructional, and health-related factors. Success in education requires a holistic approach that addresses multiple factors simultaneously while recognizing the unique needs and circumstances of each student. Continuous monitoring and adjustment of interventions ensures optimal support for student achievement.

Recommendations For Improving Student Achievement

For Teachers

- ✓ Implement evidence-based teaching practices
- ✓ Create supportive and inclusive learning environments
- ✓ Provide regular, constructive feedback
- ✓ Foster positive teacher-student relationships
- ✓ Use data-driven decision making

For Parents

- ✓ Maintain active involvement in education
- ✓ Create structured study environments at home
- ✓ Support healthy lifestyle habits
- ✓ Foster open communication with teachers
- ✓ Encourage independent learning and curiosity

For School Systems

- ✓ Invest in teacher professional development
- ✓ Maintain appropriate class sizes
- ✓ Provide adequate resources and support services
- ✓ Implement comprehensive assessment systems
- ✓ Foster school-family-community partnerships

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