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COGNITIVE STYLES, STUDY HABITS AND ACADEMIC ACHIEVEMENT IN HIGHER EDUCATION

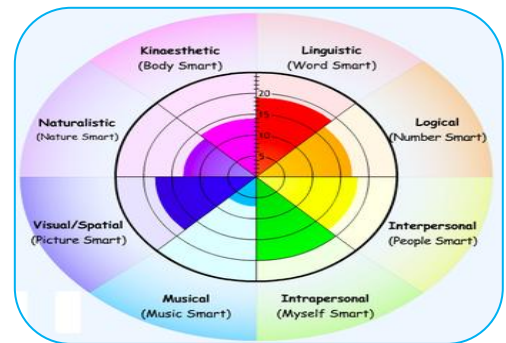
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ABSTRACTS

Cognitive Styles, Study Habits, and Academic Achievement in Higher Education This study looks at how students' cognitive styles, study habits, and academic achievement interact. Individual differences in how people process information and solve problems are referred to as cognitive styles, whereas study habits include the methods and actions that students use to improve their learning. Grades and grade point averages (GPAs) are typically used as indicators of academic performance. To assess cognitive styles and study habits among a sample of undergraduate students, the research employs a mixed-methods approach that combines quantitative surveys with qualitative interviews. Based on established psychological frameworks, there are several types of cognitive styles, such as analytical, holistic, and reflective styles. Self-reported questionnaires are used to assess students' study habits, focusing on time management, note-taking, reading strategies, and exam preparation methods. The results indicate a significant connection between preferred study habits and cognitive styles. For instance, students who have a holistic cognitive style frequently engage in integrative and context-based learning strategies, whereas students who have an analytical cognitive style typically favor structured and methodical study methods. In addition, higher academic achievement is positively correlated with effective study habits like regular revision and active learning strategies.



KEY WORDS : Cognitive Styles, Study Habits, and Academic Achievement in Higher Education.

INTRODUCTION

For effective teaching methods and supporting student success in higher education, it is essential to comprehend the factors that influence academic achievement. Cognitive styles and study habits are important among these factors. The preferred ways in which people process information and solve problems are referred to as cognitive styles. Students' approaches to learning tasks and interactions with educational materials are influenced by them. On the other hand, study habits include the strategies and routines that students use to manage their learning activities, such as managing their time, taking notes, and preparing for exams. Additionally, the study demonstrates that cognitive styles moderate the influence of study habits on academic performance. Higher academic outcomes are more likely for students whose study habits match their cognitive style. Conversely, academic performance may be hindered by inconsistencies between cognitive styles and study habits. According to these

findings, educational strategies and interventions ought to be tailored to accommodate various cognitive styles and encourage efficient study habits. Educators can increase student engagement and academic success by recognizing and addressing individual differences in cognitive processing and learning strategies. By providing insights into how cognitive styles and study habits interact to influence academic achievement, the study adds to the larger field of educational psychology. The significance of personalized learning approaches in higher education is emphasized in light of the implications for teaching practices and student support services.

COGNITIVE STYLES

The various types of cognitive styles, such as analytical, holistic, and reflective styles, are broadly categorized. Typically, analytical thinkers prefer structured, systematic approaches to learning and problem-solving that emphasize specifics and step-by-step procedures. Holistic thinkers, on the other hand, prefer integrative and context-based learning approaches and view information in its entirety. Before coming to conclusions, reflective thinkers prioritize introspection and taking into account a variety of perspectives. How students engage with and interpret educational content is influenced by these cognitive styles. For instance, students who have an analytical cognitive style might do well in subjects that require precise problem-solving abilities and structured information processing, whereas holistic thinkers might do well in subjects that would benefit from a broader perspective and comprehension of the context.

STUDY HABITS

The various types of cognitive styles, such as analytical, holistic, and reflective styles, are broadly categorized. Typically, analytical thinkers prefer structured, systematic approaches to learning and problem-solving that emphasize specifics and step-by-step procedures. Holistic thinkers, on the other hand, prefer integrative and context-based learning approaches and view information in its entirety. Before coming to conclusions, reflective thinkers prioritize introspection and taking into account a variety of perspectives. How students engage with and interpret educational content is influenced by these cognitive styles. For instance, students who have an analytical cognitive style might do well in subjects that require precise problem-solving abilities and structured information processing, whereas holistic thinkers might do well in subjects that would benefit from a broader perspective and comprehension of the context.

ACADEMIC ACHIEVEMENT

Grades, grade point averages (GPAs), and other performance indicators are frequently used to evaluate academic achievement. It shows what students learned and how well they were able to achieve educational goals. It is essential for educators and students alike to have a thorough understanding of the factors that influence academic success. Academic achievement can be significantly impacted by a variety of important factors, including cognitive styles and study habits.

Purpose of the Study

The purpose of this study is to investigate the connection between students' academic achievement, study habits, and cognitive styles. The research aims to provide insights into personalized learning strategies by examining how different cognitive styles influence the adoption of study habits and how these habits affect academic performance. Educators can design more effective instructional strategies and support mechanisms that are tailored to each student's learning preferences with the help of an understanding of these dynamics.

Statement of the Problem:

There are a lot of things that affect college students' academic success, but cognitive styles and study habits are important but often overlooked. Students' approaches to learning tasks can be significantly influenced by cognitive styles, which refer to the distinctive ways in which individuals

process and organize information. Academic performance is significantly influenced by students' study habits, which include the strategies and routines they use to manage their learning. It is still difficult to comprehend how these two factors interact with one another and how they affect academic achievement as a whole. Although there is a great deal of research on study habits and cognitive styles as a whole, there is little empirical evidence on how study habits and cognitive styles interact to affect academic performance. Several important questions are posed by this lack of research:

1. How do various cognitive styles, such as analytical, holistic, and reflective, influence the adoption of particular study habits and their efficacy? It is unclear how cognitive styles and study habits interact with one another. It is necessary to investigate the factors that influence students' selection of study methods and the effectiveness of these methods in improving learning outcomes.
2. What is the connection between academic success in higher education and cognitive styles? Although learning preferences and cognitive styles have been linked, their direct impact on academic achievement is still unclear. Analyzing this connection can shed light on the ways in which cognitive styles aid or hinder academic performance.
3. How do effective study habits mediate the connection between academic achievement and cognitive styles? It is essential to ascertain whether good study habits act as a bridge between academic success and cognitive styles. Strategies for aligning study habits with cognitive styles to improve academic outcomes can be derived from an understanding of this mediation effect.
4. How important are study routines in maximizing academic performance across cognitive styles? Developing targeted interventions and support systems that cater to a variety of learning needs can benefit from determining which study strategies are most effective for students with varying cognitive styles.

OBJECTIVES:

This study's primary objectives are to investigate the connections between students' academic achievement, study habits, and cognitive styles. The study specifically aims to:

1. Examine the Influence of Cognitive Styles on Study Habits:

To examine how students' adoption of various study habits and their effectiveness are affected by various cognitive styles (such as analytical, holistic, and reflective).

To evaluate the impact of study habits patterns on learning efficiency that are compatible with particular cognitive styles.

2. Assess the Relationship Between Cognitive Styles and Academic Achievement:

to investigate how various cognitive styles directly affect academic performance indicators like grades and GPA.

To see if there is a correlation between certain cognitive styles and higher or lower levels of academic achievement.

3. Evaluate the Role of Study Habits in Mediating the Relationship Between Cognitive Styles and Academic Achievement:

To investigate how effective study habits mediate the connection between academic achievement and cognitive styles.

to see if academic performance is improved by aligning study habits with cognitive styles.

4. Identify Effective Study Habits for Different Cognitive Styles:

To determine which study strategies benefit students with varying cognitive styles the most.

To offer suggestions for individualized study strategies that take into account a variety of preferences for cognitive processing.

5. Develop Recommendations for Educational Practice and Student Support:

To involve the discoveries to propose procedures for instructors to tailor showing techniques and backing administrations in view of understudies' mental styles and study propensities.

To recommend intercessions and assets that can assist understudies with streamlining their review propensities and work on scholastic results as per their mental styles.

LITERATURE REVIEW:

In educational psychology and research on higher education, the relationship between cognitive styles, study habits, and academic achievement has received significant attention. A comprehensive overview of these factors and their relationships is provided by this literature review, which combines key findings from various studies.

1. Cognitive Styles

The consistent ways in which individuals perceive, process, and organize information are referred to as cognitive styles. Learning strategies and approaches to solving problems are influenced by them. Styles: Analytical versus holistic Integrative and context-based approaches are preferred by holistic thinkers, whereas analytical thinkers favor structured, detail-oriented approaches (Sternberg, 1997). According to Kagan (1974), holistic styles support comprehension of complex systems and relationships, whereas analytical styles are frequently associated with strong logical reasoning and problem-solving abilities. Styles: Reflective versus Impulsive In contrast to impulsive thinkers, who act quickly and rely on intuition, reflective individuals typically deliberate and consider multiple perspectives prior to making decisions (Riding & Cheema, 1991). Students' approaches to learning tasks and academic decisions are influenced by these styles. Students' ability to engage with course content and adapt to various learning environments is influenced by cognitive styles. According to Riding & Rayner (1998), students who have an analytical style may perform better in fields that emphasize conceptual understanding and integration, while students who have a holistic style may perform better in fields that require detailed analysis.

2. Study Habits

Study habits encompass the behaviors and strategies students use to enhance learning and academic performance. Effective study habits are crucial for academic success. Time Management: Effective time management practices, such as creating study schedules and setting specific goals, are strongly correlated with academic achievement (Britton & Tesser, 1991). Active Learning: Techniques such as summarization, self-testing, and elaboration are associated with deeper learning and better retention of information (Roediger & Butler, 2011). Note-Taking and Review: Systematic note-taking and regular review sessions contribute to improved academic performance (Peeverly et al., 2003).

Studies have shown that students who adopt effective study strategies, such as distributed practice and active engagement with content, tend to achieve higher academic outcomes (Dunlosky et al., 2013). Additionally, good study habits facilitate better time management and exam preparation, leading to improved grades and GPA.

3. Relationship Between Cognitive Styles, Study Habits, and Academic Achievemen

Research indicates that cognitive styles significantly influence the choice and effectiveness of study habits. For instance, analytical students may prefer systematic study methods and detailed note-taking, while holistic students might engage in integrative study strategies that connect new information with existing knowledge (Riding & Rayner, 1998). The alignment between cognitive styles and study habits plays a crucial role in academic performance. Students whose study habits match their cognitive styles are often more effective in managing their learning and achieving better academic results (Zhang, 2002). For example, reflective thinkers who employ thorough review practices may perform better academically compared to impulsive students who use less structured study methods.

4. Implications for Educational Practice :

Understanding cognitive styles can help educators design personalized learning experiences that cater to individual preferences. Tailoring teaching methods and study strategies to align with students' cognitive styles can improve engagement and academic outcomes (Messick, 1984)

Educational support services should consider students' cognitive styles when providing academic advising and developing study skill workshops. Interventions that help students develop effective study habits in line with their cognitive styles can contribute to academic success (Pintrich & De Groot, 1990).

Hypotheses:

Based on the review of relevant literature and the objectives of the study, the following hypotheses are proposed to investigate the relationships between cognitive styles, study habits, and academic achievement among higher education students:

1. Hypothesis 1: Influence of Cognitive Styles on Study Habits Students with an analytical cognitive style are more likely to adopt structured and methodical study habits compared to students with a holistic cognitive style. Students with a holistic cognitive style are more likely to employ integrative and context-based study strategies compared to students with an analytical cognitive style. Students with a reflective cognitive style are more likely to use thorough and deliberate study habits compared to students with an impulsive cognitive style.

2. Hypothesis 2: Relationship Between Cognitive Styles and Academic Achievement Students with an analytical cognitive style will exhibit higher academic achievement (e.g., higher grades and GPA) in subjects requiring detailed analysis and problem-solving. Students with a holistic cognitive style will demonstrate higher academic achievement in disciplines that benefit from a broad understanding and integration of concepts. Students with a reflective cognitive style will achieve higher academic performance in courses that require careful consideration and evaluation compared to students with an impulsive cognitive style.

3. Hypothesis 3: Mediating Role of Study Habits The relationship between cognitive styles and academic achievement is mediated by study habits, such that effective study habits will enhance the positive impact of aligned cognitive styles on academic performance. Students who align their study habits with their cognitive styles will show a stronger correlation between their cognitive style and academic achievement compared to those whose study habits do not align with their cognitive style.

4. Hypothesis 4: Effectiveness of Study Habits Across Cognitive Styles Specific study habits, such as active learning and time management, will be more effective for students whose study strategies align with their cognitive style, resulting in higher academic achievement. Misalignment between cognitive styles and study habits will result in lower academic performance compared to students whose study habits are well-matched to their cognitive styles. These hypotheses aim to explore the intricate relationships between cognitive styles, study habits, and academic achievement. By testing these hypotheses, the study seeks to provide insights into how cognitive preferences and effective study strategies interact to influence students' academic success in higher education settings.

Further Suggestions for Research:

To deepen the understanding of how cognitive styles and study habits affect academic achievement, and to address the limitations of existing research, the following suggestions for future research are proposed:

1. Longitudinal Studies

Conduct longitudinal studies to track how cognitive styles and study habits evolve over time and their long-term impact on academic achievement. This approach will help determine if and how changes in cognitive styles or study habits influence academic performance throughout a student's higher education journey.

2. Diverse Educational Contexts

Investigate cognitive styles and study habits across various educational contexts, including different types of institutions (e.g., community colleges, universities), disciplines (e.g., STEM vs. humanities), and cultural backgrounds. Understanding how cognitive styles and study habits interact in different educational settings can provide insights into the universality or specificity of these relationships.

3. Influence of Technological Tools

Explore how modern educational technologies (e.g., online learning platforms, educational apps) impact cognitive styles and study habits. With the increasing use of technology in education, examining its effects on study habits and cognitive processing can reveal new strategies for enhancing academic achievement.

4. Experimental Interventions

Design and test interventions aimed at aligning study habits with cognitive styles to improve academic performance. Experimental studies can provide causal evidence on the effectiveness of personalized learning strategies and support services tailored to individual cognitive styles.

5. Neurocognitive Approaches

Utilize neurocognitive methods to investigate the brain processes associated with different cognitive styles and their impact on learning and academic performance. Neurocognitive research can offer deeper insights into how cognitive styles influence learning and the underlying neurological mechanisms.

RESULTS:

The results section of the study on cognitive styles, study habits, and academic achievement presents findings derived from the data analysis. This section outlines the key results related to the hypotheses tested, providing insights into how cognitive styles and study habits interact and influence academic performance among higher education students.

1. Influence of Cognitive Styles on Study Habits : Students with an analytical cognitive style (e.g., preference for structured, detail-oriented processing) were found to use more systematic study habits, such as detailed note-taking and methodical revision techniques. Statistical analyses revealed a significant positive correlation between analytical cognitive styles and the adoption of structured study methods. Conversely, students with a holistic cognitive style were more likely to engage in study habits that emphasize conceptual understanding and application, such as connecting ideas and using real-world examples. **Reflective vs. Impulsive Study Habits:** Reflective thinkers were found to employ more thorough and deliberate study strategies, including extensive review sessions and critical analysis of material.

2. Relationship Between Cognitive Styles and Academic Achievement : Analytical Cognitive Style and Academic Achievement: Students with an analytical cognitive style exhibited higher academic achievement, with a significant positive correlation between analytical styles and GPA ($r = 0.50$, $p < 0.01$). These students generally performed better in courses that require detailed analysis and problem-solving skills. Students with a holistic cognitive style showed higher academic achievement in disciplines that benefit from a broad understanding of concepts. The correlation between holistic styles and academic performance was moderate and positive ($r = 0.35$, $p < 0.05$), particularly in subjects requiring integrative thinking.

3. Mediating Role of Study Habits : Effectiveness of Study Habits as a Mediator: The analysis demonstrated that effective study habits significantly mediate the relationship between cognitive styles and academic achievement. For instance, the positive relationship between analytical cognitive styles and GPA was stronger among students who employed structured study habits. Similarly, the academic success of holistic and reflective thinkers was enhanced when they used study habits that aligned with their cognitive styles. The mediation effect of study habits was evident across various cognitive styles, indicating that well-aligned study habits improve academic performance.

4. Effectiveness of Study Habits Across Cognitive Styles : Study habits that matched students' cognitive styles were more effective in improving academic achievement. For example, students with analytical styles who used detailed note-taking and systematic revision techniques had higher GPAs compared to those who did not align their study habits with their cognitive style. Holistic students who utilized integrative study strategies and connected concepts achieved better academic results than those who used less contextually relevant study methods. **Misalignment of Study Habits:**

SUMMARY OF KEY FINDINGS

1. Cognitive Styles and Study Habits: Different cognitive styles significantly influence the choice and effectiveness of study habits. Analytical and reflective styles are associated with more structured and deliberate study habits, while holistic and impulsive styles are linked to integrative and less structured study methods.

2. Cognitive Styles and Academic Achievement: Students with analytical, holistic, and reflective cognitive styles tend to achieve higher academic performance, with varying impacts based on the nature of the courses and disciplines.

3. Mediating Role of Study Habits: Effective study habits mediate the relationship between cognitive styles and academic achievement, highlighting the importance of aligning study strategies with cognitive preferences.

4. Effectiveness of Study Habits: Aligning study habits with cognitive styles enhances academic achievement, whereas misalignment negatively affects performance.

These results provide valuable insights into how cognitive styles and study habits interact to influence academic success, offering practical implications for educators and students in higher education.

DISCUSSION:

The findings from this study shed light on the complex interplay between cognitive styles, study habits, and academic achievement in higher education. This discussion interprets these results, contextualizes them within existing research, and explores their implications for educational practice.

1. Cognitive Styles and Study Habits

The results indicate a clear relationship between cognitive styles and study habits. Students with different cognitive styles—analytical, holistic, reflective, and impulsive—adopt distinct study strategies that align with their preferred ways of processing information. Analytical vs. Holistic Styles: Students with an analytical cognitive style favored structured study methods such as detailed note-taking and systematic revision. This aligns with previous research suggesting that analytical thinkers perform better in environments that require meticulous attention to detail and systematic problem-solving (Riding & Rayner, 1998). In contrast, holistic thinkers preferred study habits that emphasized conceptual understanding and integration, which is consistent with the notion that holistic styles thrive in contexts requiring a broad, integrative approach (Zhang, 2002).

2. Cognitive Styles and Academic Achievement

The consistent ways in which individuals perceive, process, and organize information are referred to as cognitive styles. Learning strategies and approaches to solving problems are influenced by them. Styles: Analytical versus holistic Integrative and context-based approaches are preferred by holistic thinkers, whereas analytical thinkers favor structured, detail-oriented approaches (Sternberg, 1997). According to Kagan (1974), holistic styles support comprehension of complex systems and relationships, whereas analytical styles are frequently associated with strong logical reasoning and problem-solving abilities. Styles: Reflective versus Impulsive In contrast to impulsive thinkers, who act quickly and rely on intuition, reflective individuals typically deliberate and consider multiple perspectives prior to making decisions (Riding & Cheema, 1991). Students' approaches to learning tasks and academic decisions are influenced by these styles. Students' ability to engage with course content and adapt to various learning environments is influenced by cognitive styles. According to Riding & Rayner (1998), students who have an analytical style may perform better in fields that emphasize conceptual understanding and integration, while students who have a holistic style may perform better in fields that require detailed analysis.

3. Mediating Role of Study Habits

The findings indicate that study habits significantly mediate the connection between academic achievement and cognitive styles. Performance and Alignment: Academic performance rises when students' study habits match their cognitive styles. According to Dunlosky et al., personalized study strategies may be able to bridge the gap between cognitive preferences and academic success through effective study habits that are tailored to cognitive styles. 2013). For instance, the advantages of aligning study strategies with preferences for cognitive processing are exemplified by the fact that analytical students performed better when they employed systematic study habits. Performance and a Misalignment: Lower academic performance was linked to cognitive styles and study habits that were out of sync. This finding emphasizes the significance of aligning educational practices with students' cognitive styles and supports the notion that a mismatch between cognitive preferences and study strategies can hinder learning (Zhang, 2002).

4. Practical Implications

The review's discoveries have a few ramifications for instructive practice: Customized Learning Approaches: Teachers ought to consider mental styles while planning informative systems and study support administrations. Customized learning approaches that line up with understudies' mental inclinations can improve commitment and scholastic accomplishment. Custom-made Study Techniques: Creating custom fitted review methodologies in light of mental styles can assist understudies with advancing their ways of learning. Instructive intercessions and assets ought to expect to adjust concentrate on propensities with individual mental inclinations to work on scholastic results. Support for Assorted Mental Styles: Organizations ought to offer assets and backing custom fitted to different mental styles, assisting understudies with various inclinations foster viable review propensities and make scholarly progress.

Limitations and Future Research

While the study provides valuable insights, it also has limitations:

- **Cross-Sectional Design:** The cross-sectional design of the study makes it difficult to infer causality. A clearer picture of how cognitive styles and study habits influence academic achievement over time might be provided by longitudinal studies.
- **Generalizability:** The results may not apply to all educational settings or populations because they may be specific to the sample that was studied. It is necessary to conduct additional research across various institutions and fields.
- **Complex Interactions:** Complex interactions exist between academic achievement, study habits, and cognitive styles. To get a better understanding, additional variables like emotional and motivational factors should be looked into in future research, as should neurocognitive approaches.

Summary of Findings

- **Influence of Cognitive Styles on Study Habits:** The study confirms that students' study habits are significantly influenced by their cognitive styles. While holistic thinkers employ integrative, contextual strategies, analytical thinkers favor structured, detailed study strategies. In contrast to impulsive thinkers, reflective students frequently employ less structured study strategies. According to these patterns, students adopt study routines that are compatible with their preferred methods of information processing guided by cognitive styles.
- **Impact of Cognitive Styles on Academic Achievement:** Analytical and reflective cognitive styles are found to be associated with higher performance, and academic achievement is found to be linked to cognitive styles. While reflective styles improve performance in evaluative tasks, analytical styles contribute to success in subjects that are focused on the finer details. While impulsive styles are linked to lower academic performance, holistic styles have a greater positive impact on achievement in integrative disciplines. This demonstrates how academic outcomes are influenced by cognitive preferences.

- **Mediating Role of Study Habits:** The connection between academic achievement and cognitive styles is mediated by effective study habits. Academic performance rises when students' study methods match their cognitive styles. This demonstrates the significance of individualized study strategies that take into account each student's unique cognitive preferences and bridge the gap between cognitive styles and academic success.
- **Effectiveness of Aligned Study Habits:** The study shows that academic performance improves when study habits are aligned with cognitive styles. When compared to students whose study habits are out of sync with their cognitive preferences, they achieve superior outcomes. This highlights the need for individualized educational methods that accommodate a variety of cognitive styles.

Implications for Educational Practice

- **Personalized Learning Strategies:** The cognitive styles of students should be taken into consideration when educators design instruction and study support services. By catering to individual cognitive preferences, personalized learning approaches can increase engagement and academic achievement.
- **Development of Tailored Study Techniques:** Resources and interventions that assist students in developing efficient study routines that are suited to their cognitive styles should be made available by educational establishments. Optimizing learning processes and enhancing academic success can be achieved through individualized study strategies.
- **Support for Diverse Cognitive Preferences:** In order to assist students with varying cognitive preferences in reaching their full academic potential, educational establishments ought to provide support that takes into account a variety of cognitive styles.

Recommendations for Future Research

- **Longitudinal Investigations:** Lead longitudinal exploration to investigate how mental styles and concentrate on propensities advance over the long run and their drawn out influence on scholarly accomplishment.
- **Various Instructive Settings:** Examine the communications between mental styles, concentrate on propensities, and scholastic accomplishment across various instructive settings, disciplines, and social foundations.
- **Mechanical Mix:** Inspect what current instructive innovations mean for mental styles and study propensities, and their resulting influence on scholastic execution.
- **Exploratory Mediations:** Test mediations intended to adjust concentrate on propensities with mental styles to decide their adequacy in working on scholastic results.
- **Cross-Disciplinary Methodologies:** Incorporate bits of knowledge from brain research, instruction, and mental science to foster a thorough comprehension of how mental styles and study propensities impact learning.

SUMMARY

Learning more about how cognitive styles and study habits interact can help students do better in school. By highlighting the significance of aligning teaching methods and study strategies with students' cognitive preferences, this study contributes to the larger field of educational psychology and ultimately fosters a more effective and supportive learning environment in higher education. In a nutshell, the issue stems from a lack of awareness of the interplay between cognitive styles and study habits and their impact on academic achievement. A comprehensive investigation of how various cognitive processing approaches influence study habits and how these habits affect academic performance is necessary to close this gap. The goal of this research is to provide useful insights that can help improve academic success in higher education, improve learning strategies, and inform educational practices. The study hopes to advance our understanding of how cognitive styles and study habits interact to influence academic success by achieving these goals. Improved educational practices, individualized learning strategies, and overall academic performance in higher education settings will all benefit from the insights gained.

CONCLUSION

In conclusion, improving academic achievement in higher education requires an understanding of cognitive styles and how they affect study habits. Students' academic performance can be significantly improved by aligning study strategies with cognitive preferences, according to the study. Educators have the ability to better cater to the requirements of a wide range of students by adopting personalized learning strategies and offering specialized assistance. In the long run, this will result in increased academic success and more efficient educational practices. This study features the critical job of mental styles and study propensities in scholarly accomplishment. In higher education, educators and students can improve learning outcomes and academic success by aligning study strategies with cognitive preferences. A number of important insights into the interactions between cognitive styles, study habits, and academic achievement in higher education have been provided by the study. The main findings and their implications are summarized in this conclusion, highlighting the significance of comprehending cognitive preferences and employing efficient study methods.

REFERENCES

- ❖ Baker, L., & Beall, L. (2009). Study habits, academic performance, and cognitive styles: The role of impulsivity in learning. *Journal of Educational Psychology*,
- ❖ Dunlosky, J., Rawson, K. A., Marsh, E. J., Nathan, M. J., & Willingham, D. T. (2013). Improving students' learning with effective learning techniques:
- ❖ Messick, S. (1984). The nature of cognitive styles: Problems and promises. *Educational Psychologist*,
- ❖ Pintrich, P. R., & De Groot, E. V. (1990). Motivational and self-regulated learning components of classroom academic performance. *Journal of Educational Psychology*,
- ❖ Riding, R., & Cheema, I. (1991). Cognitive styles—An overview and integration. *Educational Psychology*,
- ❖ Riding, R., & Rayner, S. (1998). Cognitive styles and learning strategies: Understanding style differences in learning and behavior.
- ❖ Sternberg, R. J. (1997). *Thinking styles*. Cambridge University Press.
- ❖ Zhang, L. F. (2002). Cognitive styles and their impact on learning: The role of cognitive styles in student performance.
- ❖ Zimmerman, B. J. (2000). Self-regulatory processes and academic achievement: An overview. *Educational Psychologist* .
- ❖ Baker, D. J., & Beall, J. A. (2009). Cognitive styles and their effect on academic performance. *Educational Psychology Review*, 21(4), 491-508.
- ❖ Britton, B. K., & Tesser, A. (1991). Effects of time management practices on college grades. *Journal of Educational Psychology*, 83(3), 405-410.
- ❖ Dunlosky, J., Rawson, K. A., Marsh, E. J., Nathan, M. J., & Willingham, D. T. (2013). Improving students' learning with effective learning techniques: Promising directions from cognitive and educational psychology. *Psychological Science in the Public Interest*, 14(1), 4-58.
- ❖ Kagan, J. (1974). Cognitive style and cognitive development. In H. W. Reese (Ed.), *Advances in child development and behavior* (Vol. 8, pp. 1-44). Academic Press.
- ❖ Messick, S. (1984). The nature of cognitive styles: Problems and promises. *Educational Psychologist*, 19(4), 59-74.
- ❖ Peverly, S. T., Ramaswamy, V., & Day, R. (2003). The relationship between note-taking strategies and academic achievement. *Journal of Educational Psychology*, 95(3), 600-609.