

ISSN No. 2321-2705 | DOI: 10.51244/IJRSI | Volume XII Issue IV April 2025

The Role of Soft Skills in Improving Students' Academic Performance: A Case Study in Hanoi Capital, Vietnam

Tran Cuong*

Faculty of Administration, School of Economic, Hanoi University of Industry

*Corresponding Author

DOI: https://doi.org/10.51244/IJRSI.2025.12040145

Received: 25 April 2025; Accepted: 29 April 2025; Published: 23 May 2025

ABSTRACT

This study evaluates the role of soft skills in improving students' academic performance using the Input-Process-Output (IPO) model. Data were collected from 314 university students in Hanoi and analyzed using Amos 20. The findings indicate that teamwork skills (TS), critical thinking (CT), creative thinking (IN), and communication skills (CS) positively impact academic performance (AP) by enhancing the learning process (LP). These results contribute to the educational literature by highlighting the significance of soft skills in academic success. Based on these findings, educational institutions and students can develop appropriate strategies to optimize learning outcomes.

Keywords: Team work skills, critical thinking, creative thinking, academic performance, IPO model.

INTRODUCTION

In the context of modern education, equipping students with not only specialized knowledge but also soft skills has become increasingly important (Chamorro-Premuzic et al., 2010; Chinh & Cuong, 2023; Chinh et al., 2021). The rapid development of technology and changes in teaching methods require students to be adaptable, think critically, and work effectively in both academic and professional environments (Cuong et al., 2019; T. Dang et al., 2021; Ngo & Thuy, 2024). Skills such as teamwork, creative thinking, critical thinking, and communication play a crucial role in helping students acquire knowledge, solve problems, and improve their academic performance. However, cultivating and applying soft skills remains challenging (Nazaré de Freitas & Assoreira Almendra, 2022). One major difficulty is the lack of awareness regarding the importance of soft skills, causing many students to neglect their development (Akhtar, Hussain, Li, Cuong, et al., 2024; Nazaré de Freitas & Assoreira Almendra, 2022). Additionally, traditional learning environments still focus heavily on theoretical knowledge rather than practical application, limiting opportunities for students to practice teamwork, communication, and critical thinking. Moreover, academic pressure, heavy coursework, and limited time make it difficult for students to balance their studies with soft skill development (Milanovich-Eagleson et al., 2015; Nguyen et al., 2023). Furthermore, differences in personality and educational background also impact each individual's ability to acquire and apply soft skills effectively. These challenges require both educational institutions and students to adopt appropriate strategies to improve the practice and application of soft skills in both academic and real-life settings.

Soft skills are a set of personal and social abilities that enable individuals to interact effectively with others, adapt to different environments, and handle tasks flexibly. Unlike hard skills, which are related to specialized knowledge and technical expertise, soft skills encompass elements such as communication, teamwork, critical thinking, creative thinking, time management, problem-solving, and adaptability (Chinh et al., 2020; Kechagias, 2011). These skills not only help individuals build strong relationships but also play a crucial role in enhancing academic and work performance (Chiu et al., 2016; T. T. Dang et al., 2024). In a rapidly changing world, soft skills have become an essential factor in achieving success in education and careers, as well as fostering overall personal development in life.

Previous studies have highlighted the important role of soft skills in enhancing students' academic performance (T. T. Dang et al., 2024; Keng, 2024; Khalid et al., 2024). Many studies have confirmed that skills such as

ISSN No. 2321-2705 | DOI: 10.51244/IJRSI | Volume XII Issue IV April 2025



the role of soft skills in higher education.

teamwork, communication, critical thinking, and creative thinking not only help students acquire knowledge more effectively but also improve problem-solving abilities and adaptability in modern learning environments (T. T. Dang et al., 2024; Ngo & Thuy, 2024; Suyansah et al., 2023). Some studies have also developed models to assess the relationship between soft skills and academic performance, providing valuable empirical evidence. However, there are still several limitations that need to be addressed. First, most studies focus on specific soft skills without comprehensively examining different groups of soft skills. Second, no research has evaluated the mediating role of the learning process in the relationship between soft skills and academic performance. These gaps highlight the need for further research to provide a more comprehensive and systematic understanding of

This study aims to fill the existing gaps in previous research by providing a more comprehensive approach to the role of soft skills in students' academic performance. First, instead of focusing on individual skills, this study examines multiple essential skill groups, including teamwork, critical thinking, creative thinking, and communication, to assess their overall impact on academic outcomes. Second, rather than merely identifying the direct relationship between soft skills and academic performance, this study analyzes the mediating role of the learning process. By employing the IPO model and analyzing empirical data from 314 university students, the research offers a more systematic approach, shedding light on the mechanisms through which soft skills influence academic achievement. The findings of this study not only contribute to the academic literature but also provide practical insights for educational institutions to design appropriate training programs aimed at enhancing both soft skills and student performance.

LITERATURE REVIEW AND HYPOTHESES DEVELOPMENT

Previous studies have affirmed the crucial role of teamwork skills in enhancing academic performance and professional development. Team-based learning (TBL) has been proven to be an effective approach for improving problem-solving abilities, critical thinking, communication, and collaboration among students. When integrated into courses such as anatomy and health assessment, TBL not only enhances academic outcomes but also fosters a positive attitude toward teamwork, thereby enabling students to absorb knowledge more effectively (Akhtar, Hussain, Li, Cheng, et al., 2024; Cuong et al., 2024; Park et al., 2015). Additionally, research has indicated a strong relationship between teamwork skills and various personal and academic factors, including gender, academic year, and grade point average (GPA). Specifically, female students tend to outperform their male counterparts in teamwork skills, except in leadership, and these skills tend to develop progressively throughout their studies (Huitt et al., 2015). Furthermore, GPA is positively correlated with teamwork skills, suggesting that students with strong collaboration and adaptability skills tend to achieve higher academic performance (District & Province, 2024; Prada et al., 2022). These findings highlight the importance of incorporating collaborative learning strategies into university curricula, not only to cultivate teamwork skills but also to optimize academic effectiveness, ensuring students are well-equipped for both academic and professional success.

H1: Teamwork skills (TS) has a positive impact on academic performance (AP) through learning process (LP)

Critical thinking plays a crucial role in enhancing students' academic performance and is influenced by various factors such as learning styles, thinking dispositions, and educational contexts. Research has shown that students with strong critical thinking skills tend to achieve higher academic results, as they can analyze, evaluate, and solve problems more effectively throughout their learning process (Ghazivakili et al., 2014; Huyen et al., 2024). Moreover, learning styles have been found to be closely related to both critical thinking and academic achievement (Ren et al., 2020). Certain learning styles enable students to develop logical reasoning, assess information, and make informed decisions more efficiently. Additionally, critical thinking disposition the habitual tendency to think logically and systematically is considered a key factor that allows students to fully utilize their cognitive abilities in academic settings. Beyond individual impact, the influence of critical thinking varies across different academic disciplines. Subjects that emphasize reasoning, analysis, and evaluation, such as Marketing or Strategy & Leadership, tend to benefit more from critical thinking skills than technical or mathematical subjects (D'Alessio et al., 2019; Khoa et al., 2023). This suggests the importance of implementing appropriate teaching methods to foster critical thinking in different fields of study.

ISSN No. 2321-2705 | DOI: 10.51244/IJRSI | Volume XII Issue IV April 2025



H2: Critical thinking skills (CT) has a positive impact on academic performance (AP) through learning process (LP)

Numerous studies have confirmed the importance of creative thinking in students' academic performance. Findings indicate a positive relationship between creative thinking and academic achievement, with convergent thinking playing a more significant role than divergent thinking (Hurong et al., 2024; Yang & Zhao, 2021). Additionally, the impact of creative thinking on academic performance can be mediated by factors such as self-esteem and internal locus of control (Minh, Huong, Trang, et al., 2025; Ruiz et al., 2014). Furthermore, some studies have examined the moderating role of gender in the relationship between creative thinking and academic performance (Mahama et al., 2019; Minh, Huong, Cuong, et al., 2025). Results suggest that male students tend to leverage creative thinking more effectively in subjects like English and Mathematics, whereas female students may require additional support and training to develop this skill at the same level as their male counterparts. This highlights the need for educational policies that focus on fostering creative thinking in both genders to ensure equal learning opportunities. Moreover, creative thinking does not function in isolation but is closely related to critical thinking and reflective thinking. Research has shown that all three types of thinking positively influence academic achievement, emphasizing the importance of integrating teaching methods that promote creative, critical, and reflective thinking in education (Akpur, 2020).

H3: Creative thinking skills (IN) has a positive impact on academic performance (AP) through learning process (LP)

Communication skills play a crucial role in the educational process, enabling the effective transmission and exchange of ideas (Curong et al., 2025; Sharifirad et al., 2012). Numerous studies have focused on assessing the knowledge, attitudes, and performance of both faculty members and students regarding communication skills in academic settings. Findings indicate that while faculty members generally have a positive attitude toward communication skills and demonstrate relatively acceptable performance, their in-depth knowledge of these skills remains limited. This highlights the need for specialized training programs to enhance effective communication in teaching (Khan et al., 2017; Quỳnh & Minh, 2024). Additionally, research has shown that students often hold negative perceptions of communication skills courses, even though they attempt to maintain a positive attitude during the learning process (Asemanyi, 2015). Some students face challenges due to weak language backgrounds, which impact their communicative competence and academic performance. Furthermore, factors such as large class sizes, inadequate teaching facilities, and a shortage of faculty members further hinder the effectiveness of teaching and learning communication skills.

H4: Communication skills (CS) has a positive impact on academic performance (AP) through learning process (LP)

Conceptual model is presented below (See Fig.1)

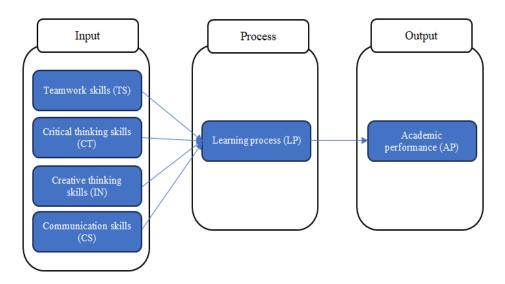
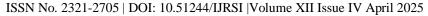


Figure 1. Conceptual model





METHODOLOGY

Data collection

The data was collected from September 2024 to November 2024 from university students in Hanoi. A total of 412 survey questionnaires were distributed, of which 314 were deemed valid for analysis.

Data analyst

The collected data was analyzed using AMOS 20 software. The measurement scales used in the study were adopted from previous research to ensure reliability and validity. Structural Equation Modeling (SEM) was applied to examine the relationships between variables, providing a comprehensive understanding of the impact of communication skills on academic performance.

RESULTS

Reliability and convergence value

The table 1 presents the reliability analysis and exploratory factor analysis (EFA) results for the study variables. The reliability of each scale was assessed using Cronbach's Alpha, with values indicating good internal consistency. The TS scale has a high reliability score of 0.805, suggesting strong internal consistency. The CT scale, with a Cronbach's Alpha of 0.702, is acceptable. The IN scale shows a strong reliability score of 0.812, indicating good consistency. Similarly, the CS scale demonstrates high reliability at 0.801, and the LP scale has the highest reliability at 0.831, confirming its robustness.

The factor analysis results show the KMO (Kaiser-Meyer-Olkin) measure for the dependent variable is 0.871, and for the independent variables, it is 0.765, both indicating that the data is suitable for factor analysis. The Bartlett's test of sphericity (Sig = 0.000) confirms statistical significance, justifying the use of factor analysis. The variance explained (VE) is 78.452% for the dependent variable and 77.668% for the independent variables, which means that the extracted factors account for a high proportion of the variance in the data. The eigenvalues of 1.512 (dependent variable) and 3.365 (independent variables) further support the validity of the factor structures.

Table 1. Reliability and convergence value

Items	Total	Cronbach's	Mean	Factor loading	
	reliability	Alpha		Dependent variable	Independent variable
TS	0.805				
TS1		0.604	3.34	0.792	
TS2		0.762	3.58	0.872	
TS3		0.756	3.68	0.784	
TS4		0.870	3.54	0.842	
TS5		0.803	3.75	0.872	
CT	0.702				
CT1		0.814	3.85	0.812	
CT2		0.797	4.00	0.756	
CT3		0.753	3.79	0.736	
CT4		0.757	3.78	0.828	
IN	0.812				
IN1		0.698	3.93	0.848	
IN2		0.617	3.39	0.756	
IN4		0.630	3.87	0.773	
IN5		0.617	3.68	0.871	

ISSN No. 2321-2705 | DOI: 10.51244/IJRSI | Volume XII Issue IV April 2025

Eigenvalues = 3.365



0.801 **CS** CS1 0.674 3.57 0.761 CS2 0.609 2.78 0.750 CS3 0.654 2.75 0.748 CS4 0.713 3.32 0.843 LP 0.831 0.631 3.67 0.831 LP1 0.739 2.45 0.735 LP2 0.614 2.53 0.767 LP3 0.723 3.44 0.834 AP 0.751 3.57 0.721 0.776 0.743 AP1 2.41 AP2 0.801 0.713 2.53 0.767 AP3 0.843 3.46 0.881 Dependent KMO = 0.871Independent KMO = 0.765variable Sig = 0.000variable Sig = 0.000VE = 78.452VE = 77.668

Source: Calculated by Author, 2025

Eigenvalues = 1.512

Hypotheses testing

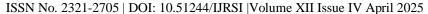
The table 2 presents the hypothesis testing results, indicating that all proposed hypotheses are supported. The p-values for all relationships are below 0.05, confirming statistical significance. The indirect effect of TS on AP through LP is significant (p = 0.000, estimate = 0.311), supporting the hypothesis. Similarly, CT positively influences AP via LP with a significant effect (p = 0.000, estimate = 0.321). IN also has a statistically significant impact on AP through LP (p = 0.000, estimate = 0.214). Lastly, CS exhibits a significant effect on AP via LP, with a p-value of 0.006 and an estimate of 0.243.

Regarding model fit, the Chi-square/df ratio is 1.641, which is within the acceptable range for a good model fit. The Tucker-Lewis Index (TLI) and Comparative Fit Index (CFI) values are 0.830 and 0.834, respectively, indicating an acceptable fit. The Goodness-of-Fit Index (GFI) is 0.777, which is slightly below the ideal threshold but still within an acceptable range. The Root Mean Square Error of Approximation (RMSEA) is 0.062, suggesting a reasonable model fit. Overall, the results confirm that the hypothesized relationships hold and that the model exhibits an acceptable fit for further interpretation.

Table 2. Hypotheses testing

Hypotheses	P-values	Estimate	Decision	
$TS \rightarrow LP \rightarrow AP$	0,000	0,311	Accepted	
$CT \rightarrow LP \rightarrow AP$	0,000	0,321	Accepted	
$IN \to LP \to AP$	0,000	0,214	Accepted	
$CS \rightarrow LP \rightarrow AP$	0,006	0,243	Accepted	
Model fit		Chi-square/df = 1,641		
		TLI = 0.830		
		CFI = 0.834		
		GFI = 0,777		
		RMSEA = 0.062		

Source: Calculated by Author, 2025





DISCUSSION AND IMPLICATION

The findings of this study highlight the significant impact of various factors on academic performance (AP) through learning process (LP). Specifically, the results confirm that teamwork skills (TS), critical thinking (CT), creative thinking skills (IN), and communication skills (CS) positively influence AP through LP, as all hypotheses were statistically supported. Among these factors, critical thinking (CT) showed the strongest effect on AP, emphasizing the importance of analytical and problem-solving skills in academic success. Meanwhile, innovation (IN) had the lowest significant impact, suggesting that while creativity plays a role, it may require additional support or integration into the learning process to be more effective.

To enhance students' academic performance, several solutions should be implemented. First, universities should focus on improving teamwork skills (TS) by integrating more group-based projects, peer learning activities, and teamwork training workshops, enabling students to develop collaboration and leadership abilities. Additionally, fostering critical thinking (CT) through structured activities such as case studies, debates, and scenario-based learning will enhance students' analytical and decision-making skills. Encouraging innovation (IN) is also essential, which can be achieved by organizing research competitions, interdisciplinary collaborations, and mentorship programs to strengthen problem-solving abilities. Moreover, improving communication skills (CS) through training in public speaking, writing, and interpersonal communication, along with their integration into coursework, will ensure continuous development. Learning performance (LP) can be enhanced by establishing personalized learning programs, tutoring services, and study groups to support students in developing effective study habits and increasing engagement. Lastly, upgrading educational infrastructure by investing in modern lecture halls, digital tools, and reducing class sizes, along with continuous teacher training, will significantly improve the quality of education. These solutions collectively contribute to a more effective and supportive learning environment, ultimately leading to better academic outcomes.

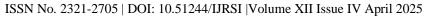
REFERENCE

- 1. Akhtar, R., Hussain, J., Li, L., Cheng, B., Cuong, T., Haider, S., Tao, C. (2024). Unlocking Emerging Economies: Exploring the Influence of International Trade on Strategic Options Through Logistic Regression Approach. Journal of the Knowledge Economy, 1-29.
- 2. Akhtar, R., Hussain, J., Li, L., Cuong, T., & Tao, C. (2024). Unlocking Sustainable Futures: Exploring Multidimensional Poverty in Belt & Road Initiative Countries Through Forest Plantation Perspectives. Journal of Poverty, 1-27.
- 3. Akpur, U. (2020). Critical, reflective, creative thinking and their reflections on academic achievement. Thinking Skills and Creativity, 37, 100-109.
- 4. Asemanyi, A. A. (2015). An Assessment of Students' Performance in Communication Skills: A Case Study of the University of Education Winneba. Journal of Education and Practice, 6(35), 1-7.
- 5. Chamorro-Premuzic, T., Arteche, A., Bremner, A. J., Greven, C., & Furnham, A. (2010). Soft skills in higher education: Importance and improvement ratings as a function of individual differences and academic performance. Educational Psychology, 30(2), 221-241.
- 6. Chinh, T. T. Q., & Cuong, T. (2023). Factor effects to farm household's income in nari district, bac kan province. Open Access Library Journal, 10(4), 1-12.
- 7. Chinh, T. T. Q., Cuong, T., Bac, C. N., & Chen, J. (2021). Value-Added Distribution among Stakeholders Tea Value Chain: A Case Study in Thai Nguyen Province, Viet Nam. Open Access Library Journal, 8(6), 1-18.
- 8. Chinh, T. T. Q., Cuong, T., & Chen, J. (2020). Factors Affecting to Tea-Growing Household's Financial Efficiency: A Case Study from Thai Nguyen Province. Open Access Library Journal, 7(12), 1-12.
- 9. Chiu, K. K., Mahat, N. I., Rashid, B., Razak, N. A., & Omar, H. (2016). Assessing students' knowledge and soft skills competency in the industrial training programme: the employers' perspective. Rev. Eur. Stud., 8, 12-18.
- 10. Cuong, T., Akhtar, R., Hussain, J., & Chinh, T. T. Q. (2024). Analyzing the Influence of International Remittances on Multidimensional Poverty: Insights from BRI Countries. Journal of Poverty, 1-22.

ISSN No. 2321-2705 | DOI: 10.51244/IJRSI | Volume XII Issue IV April 2025



- 11. Curong, T., Chinh, T. T. Q., & Minh, Đ. H. (2025). Factors affecting customer satisfaction when using food services at Dookki restaurant system in Hanoi. Economic and Forecasting Journal, 4(02),1-9.
- 12. Cuong, T., Nguyen, T., & Linh, C. (2019). The impacts of forest plantation on household's income. Open Access Library Journal, 6(07), 1-12.
- 13. D'Alessio, F. A., Avolio, B. E., & Charles, V. (2019). Studying the impact of critical thinking on the academic performance of executive MBA students. Thinking Skills and Creativity, 31, 275-283.
- 14. Dang, T., Caihong, Z., Nguyen, T., Nguyen, N., & Tran, C. (2021). The volatility characteristics of Vietnamese coffee export price and transmission mechanism of influencing factors: a Markov switching approach. Journal of Asia Business Studies, 15(5), 784-803.
- 15. Dang, T. T., Nguyen, H. T., Nguyen, S. T. M., Tran, C., Nguyen, T. N., & Nguyen, C. H. (2024). The Volatility of the Global Food Price Index and Influencing Factors. Paper presented at the International Conference on Research in Management & Technovation.
- 16. District, V. Y., & Province, B. G. (2024). Factors Affecting the Decision to Choose an Industrial Park: Case Study Industrial Parks of. Open Access Library Journal, 11, 11-18.
- 17. Ghazivakili, Z., Nia, R. N., Panahi, F., Karimi, M., Gholsorkhi, H., & Ahmadi, Z. (2014). The role of critical thinking skills and learning styles of university students in their academic performance. Journal of advances in medical education & professionalism, 2(3), 95-99.
- 18. Huitt, T. W., Killins, A., & Brooks, W. S. (2015). Team-based learning in the gross anatomy laboratory improves academic performance and students' attitudes toward teamwork. Anatomical sciences education, 8(2), 95-103.
- 19. Huong, H. T., Minh, Đ. H., Quyen, P. T. D., & Linh, P. T. (2024). Research on the impact of circular economy application on tourist satisfaction: A case study in Tam Dao District-Vinh Phuc Province. Proceedings of the 2024 international scientific conference.
- 20. Huyen, T. T., Thao, P. T. P., Trang, N. L. H., Chi, L. K., & Cuong, T. (2024). Factors Effect the Decision to Work in Hanoi: Case Study of Students from Hanoi University of Industry. International Journal of Research and Innovation in Social Science, 8(4), 1436-1441.
- 21. Kechagias, K. (2011). Teaching and assessing soft skills. Book. Second Chance School of Thessaloniki.
- 22. Keng, S.-H. (2024). The effect of soft skills on academic outcomes. The BE Journal of Economic Analysis & Policy, 24(1), 35-67.
- 23. Khalid, A., Akhtar, S., & Sultan, A. (2024). Academic Success Beyond Knowledge: The Role of Soft Skills in Students' Academic Performance at Universities. Review of Applied Management and Social Sciences, 7(4), 1157-1167.
- 24. Khan, A., Khan, S., Zia-Ul-Islam, S., & Khan, M. (2017). Communication Skills of a Teacher and Its Role in the Development of the Students' Academic Success. Journal of Education and Practice, 8(1), 18-21.
- 25. Khoa, V. D., Anh, N. T. M., Cuong, T., & Chinh, T. T. Q. (2023). Organizational Democracy and Employee Retention: An Empirical Study in Vietnamese Universities. Paper presented at the International Conference on Research in Management & Technovation.
- 26. Mahama, I., Kwaw, R., Mensah, K. J., Acheampong, E., & Marfo, R. (2019). Relationship between creative thinking and students academic performance in English language and mathematics: the moderating role of gender. Journal of Education, Society and Behavioural Science, 31(4), 1-10.
- 27. Milanovich-Eagleson, N., Howes, S., & Fattahi, B. (2015). The role of soft skills in a challenging environment. Journal of Petroleum Technology, 67(09), 102-108.
- 28. Minh, D. H., Huong, H. T., Cuong, T., & Huy, N. X. (2025). Research On Factors Affecting Tourist Satisfaction In Ninh Binh. Journal of Economics and Business Administration, 3(32), 32-39.
- 29. Minh, D. H., Huong, H. T., Trang, N. T., Mai, B. T. T., & Trang, N. T. D. (2025). Research on Factors Impact on Circular Economy Application and Sustainable Performance: Manufacturing Enterprises in Industrial Zones. Planning, 20(2), 901-912.
- 30. Nazaré de Freitas, A. P., & Assoreira Almendra, R. (2022). Teaching and learning soft skills in design education, opportunities and challenges: A literature review. Paper presented at the UNIDCOM/IADE International Conference Senses & Sensibility.
- 31. Ngo, A., & Thuy, T. (2024). The Importance of Soft Skills for Academic Performance and Career Development—From the Perspective of University Students. International Journal of Engineering Pedagogy, 14(3) 1-12.





- 32. Nguyen, T., Tuyen, D. T., Trung, N. N., & Cuong, T. (2023). Analysing costs and margins of smallholder farmers in the coffee value chain: M4P approach. International Journal of Economics and Business Research, 26(3), 325-353.
- 33. Park, H.-R., Kim, C.-J., Park, J.-W., & Park, E. (2015). Effects of team-based learning on perceived teamwork and academic performance in a health assessment subject. Collegian, 22(3), 299-305.
- 34. Prada, E. D., Mareque, M., & Pino-Juste, M. (2022). Teamwork skills in higher education: is university training contributing to their mastery? Psicologia: Reflexao e critica, 35, 5.
- 35. Quynh, N. T., & Minh, Đ. H. (2024). Research on factors affecting spending of students at hanoi university of industry. Journal of Economic and forescast, 3(1) 1-8.
- 36. Ren, X., Tong, Y., Peng, P., & Wang, T. (2020). Critical thinking predicts academic performance beyond general cognitive ability: Evidence from adults and children. Intelligence, 82, 101-107.
- 37. Ruiz, M. J., Bermejo, R., Ferrando, M., Prieto, M. D., & Sainz, M. (2014). Intelligence and Scientific-Creative thinking: their convergence in the explanation of students' academic performance. Electronic Journal of Research in Educational Psychology, 12(2), 283-302.
- 38. Sharifirad, G. R., Rezaeian, M., Jazini, A., & Etemadi, Z. S. (2012). Knowledge, attitude and performance of academic members regarding effective communication skills in education. Journal of education and health promotion, 1(1), 42.
- 39. Suyansah, Q., Gabda, D., Jawing, E., Kamlun, K., Tibok, R. P., Wendy, H., & Xe, W. N. Y. (2023). Students' academic performance and soft skills on graduate employability among students in Universiti Malaysia Sabah. Paper presented at the AIP Conference Proceedings.
- 40. Yang, J., & Zhao, X. (2021). The effect of creative thinking on academic performance: Mechanisms, heterogeneity, and implication. Thinking Skills and Creativity, 40, 100831.