INFLUENCE OF INTERNET ADDICTION AND GAMBLING PASSION ON ACADEMIC ENGAGEMENT OF PUBLIC UNIVERSITY STUDENTS IN ANAMBRA STATE

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Abstract

This study explored the influence of internet addiction and gambling passion on the academic engagement of public university students in Anambra State. The study was guided by four specific purposes: To examine the influence of internet addiction on academic engagement of students in public universities in Anambra State; To determine the influence of gambling passion on academic engagement of students in public universities in Anambra State; To ascertain the influence of internet addiction on academic engagement of male and female students in public universities in Anambra State; To find out the influence of gambling passion on academic engagement of male and female students in public universities in Anambra State. Four research questions and four null hypotheses guided the study. Conceptual, Theoretical and Empirical studies were reviewed. The research adopted a descriptive survey design. The study population was 49664, 18361 male and 31303 female students of public universities in Anambra State, between the ages 18 to 28 years. A total of 394 participants, aged 18 to 28, were selected from Nnamdi Azikiwe University and Chukwuemeka Odumegwu Ojukwu University using simple random and convenience sampling techniques. The instruments for data collection were standardized instruments titled Internet Addiction Scale, Gambling Passion Scale, and Student's Academic Engagement Questionnaire. The instruments were subjected to face validation. The reliability of the instrument was obtained. Mean and standard deviations were used to answer research questions while null hypotheses were tested using t-test statistics at 0.05 level of significance. The findings revealed that internet addiction significantly influenced the academic engagement of public university students (t (392) = 19.6, p< 0.05). Similarly, gambling passion had a significant influence on academic engagement (t (392) = 12.3, p< 0.05). Additionally, internet addiction was found to significantly influence the academic engagement of both male and female students (t (392) = 0.28, p< 0.05), and gambling passion significantly influenced the academic engagement of male and female students (t (392) = 1.57, p< 0.05). Based on these findings, it is recommended that counselling and support services be provided by universities to students struggling with internet addiction and gambling passion to help them regain focus and enhance their academic engagement.

Keywords: Internet addiction, Gambling passion, Academic engagement, Gender.





Introduction

Academic engagement is more than just a key to academic success; it is the cornerstone of a student's journey toward personal growth, achievement, and a fulfilling future. It reflects the level of commitment students invest in their academic work, marked by active participation, resilience, and a deep sense of belonging within the academic community (Kahu & Nelson, 2018). When students are engaged, they not only excel in their studies but also develop the skills and mindset necessary for lifelong success. Academic engagement has been shown to directly impact vital outcomes such as improved academic performance (Reyes & Brackett, 2021; Korhonen et al., 2019), higher retention rates (Suhre et al., 2023; Archambault et al., 2020), and enhanced psychosocial well-being, including better self-efficacy and mental health (Fredricks et al., 2021; Wang & Eccles, 2022). But its influence reaches beyond the individual. Engaged students are more likely to contribute to the creation of a skilled and innovative workforce, driving the advancement of society and the economy. However, the path to academic engagement is not without its challenges. Factors such as internet addiction, the financial stress induced by gambling, and social pressures can undermine students' ability to stay focused and motivated. Addressing these barriers is not just an academic concern; it is essential for educators, policymakers, and society at large to ensure that students can thrive, and in turn, contribute meaningfully to the socio-economic development of the nation.

Not all students engage effectively with academic activities. While many participate in both academic and non-academic aspects of school life—building relationships with peers, collaborating with teachers, and developing a positive identity within the school environment—others experience varying levels of academic disengagement. Disengaged students often demonstrate reduced involvement in both classroom learning and extracurricular

activities, which can result in poor academic performance, diminished motivation, and negative perceptions of the learning environment (Finn & Zimmer, 2022). This disengagement is frequently driven by factors such as academic difficulties, lack of social support, external stressors, and perceived irrelevance of the curriculum to their personal goals (Hodges & Stanton, 2021; Wang & Degol, 2020).

The consequences of disengagement extend beyond academic performance. Disengaged students are more likely to experience feelings of boredom, alienation, and low self-efficacy, which can affect their mental well-being and sense of belonging within the school community (Fredricks et al., 2019). Over time, persistent disengagement can lead to increased dropout rates, reduced career opportunities, and longsocio-economic disadvantages (Archambault & Dupéré, 2020; Suhre et al., 2023). Given these profound outcomes, academic engagement has become a central focus for researchers. educators. and policymakers seeking to enhance educational performance, student retention, and overall promoting well-being. Interventions engagement aim to address the multidimensional needs of students, including relationships, fostering supportive implementing relevant challenging and curricula, and creating inclusive learning environments that motivate and encourage student involvement (Klem & Connell, 2021; Lawson & Lawson, 2022).

Academic engagement occurs when students are deeply involved in learning activities, showing a genuine mental and emotional absorption in study materials that often involves active interaction with peers. This level of engagement transcends surface-level learning, which may focus solely on memorizing content or fulfilling minimum course requirements (Bond et al., 2020). True academic engagement reflects a commitment to higher-order thinking and





meaningful learning experiences. It involves analytical activities such as evaluating concepts, synthesizing information, rationalizing procedures, and exploring the relevance of knowledge real-world applications. to Furthermore, engaged students are not only intellectually connected to their work but are also socially invested, regularly interacting with peers and instructors through the exchange of experiences, knowledge, opinions, and emotional support (Fredricks et al., 2014).

This multifaceted engagement is shaped by a variety of factors that range from personal behaviors to environmental influences. Internally, students' motivation, self-efficacy, and curiosity play crucial roles in fostering engagement, as these traits encourage a proactive approach to learning challenges (Eccles Wigfield, 2020). Externally, academic engagement is influenced by classroom climate, instructional methods, and the availability of supportive resources. For classrooms that emphasize collaborative learning, offer opportunities for self-expression, and provide constructive feedback are shown to enhance engagement levels (Ryan & Deci, 2020). However, certain distractions, such as internet addiction, can detract from students' focus and reduce their engagement by diverting time and attention away from academic tasks (Liu et al., 2021).

Internet addiction, defined as an excessive or poorly controlled preoccupation, urge, or behavior related to internet use that leads to significant impairment or distress (Young, 2018), has become a prominent issue in the digital age. With the rapid expansion of internet access, particularly through mobile devices, students are increasingly exposed to various online activities, ranging from networking and gaming to streaming and browsing, which can become addictive. This phenomenon is notably pronounced in regions with rapidly growing internet penetration. For instance, in Nigeria, the number of internet users reached approximately 483 million in 2023, reflecting a substantial increase in connectivity that has intensified the challenges of managing online usage among students (Statista, 2023).

Internet addiction is associated with cognitive, emotional, and social implications that directly impact students' academic lives. Studies have shown that excessive internet use can detract from students' focus on academic tasks, leading to procrastination, lower academic performance, and decreased time spent on studying or completing assignments (Liu et al., 2021; Akin, 2017). Cognitive effects include decreased attention span and difficulty in focusing on academic work, as students find it hard to disengage from online activities, which often gratification provide immediate entertainment compared to academic tasks (Anderson & Jiang, 2020). Emotionally, internet addiction can lead to heightened stress, anxiety, and even depressive symptoms, as students may struggle with feelings of guilt or helplessness related to their inability to control their internet use (Elhai et al., 2019). These emotional challenges can further reduce motivation and engagement in academic activities.

Furthermore, internet addiction affects social interactions in the academic environment. Students who are highly dependent on the internet for social interaction may experience feelings of isolation and disconnection from peers and instructors in real-life settings, which can weaken their sense of belonging and support in academic communities (Kuss & Griffiths, 2017). As a result, managing internet use has become essential for educational institutions, educators, and mental health professionals, who are increasingly looking for ways to raise awareness about healthy internet habits and provide students with resources to mitigate addiction's adverse effects on academic engagement and performance (Cheng & Li, 2019).

Similarly, gambling passion, defined as a strong and sometimes uncontrollable inclination





toward gambling activities that can disrupt one's life (Vallerand et al., 2020), poses significant risks to students' academic engagement. While gambling can start as a recreational or social activity, the potential for addiction and negative consequences increases with excessive participation. Gambling passion, particularly when it escalates to compulsive behavior, is associated with adverse academic and personal outcomes, such as reduced study time, impaired concentration, strained relationships, increased financial and psychological distress (Hing et al., 2020). This is especially concerning in Nigeria, where gambling has become more accessible through online platforms and mobile apps, exposing students to frequent gambling opportunities.

The impact of gambling passion on academic engagement is both direct and indirect. Compulsive gambling often requires significant time and financial resources, which can lead students to neglect their academic responsibilities, missing classes, or spending less time on assignments. This diversion of time and focus can result in lower academic performance and a decreased commitment to academic goals (Ladouceur et al., 2021). Psychologically, gambling passion is linked to heightened stress, anxiety, and depressive symptoms, as students may struggle with guilt, financial pressure, and a sense of loss of control, which further impairs their ability to concentrate on their studies (Bellringer et al., 2020; Yakovenko et al., 2021).

Moreover, the social aspects of gambling can also influence academic engagement. Students who gamble frequently may gravitate toward peers who share similar interests, potentially isolating themselves from academically focused peer groups. This shift can reduce their exposure to positive academic influences and support systems, which are critical for maintaining academic engagement. Additionally, the intermittent rewards of gambling can create cognitive distortions, such as overestimating the

likelihood of winning, which perpetuates the cycle of gambling and increases the risk of addiction (Blaszczynski & Nower, 2019).

Gender is also a significant variable influencing academic engagement, often shaped by societal stereotypes and expectations. A study indicated that male and female students may engage differently with academic material due to these influences. For instance. male students frequently exhibit a greater interest in technical subjects, while female students may be more engaged in humanities and social sciences (Hyde, 2014). Individuals are more likely to participate in activities that align with genderrelated stereotypes to avoid social sanctions (Latsch & Hannover, 2014).

Educators and policymakers are increasingly concerned about student disengagement, which has substantial implications for academic and societal development. success Disengagement often leads to poor academic performance, higher dropout rates, problematic behaviors, posing significant challenges to students' futures. In today's digital age, issues like internet addiction and gambling passion have amplified these concerns. Constant online distractions and the lure of accessible gambling platforms has diminished students' focus, time, and commitment to their academic goals, thereby eroding engagement. It is against this background that this study aims to investigate how internet addiction and gambling passion impact university students' engagement Anambra State. By exploring these influences, the research seeks to offer insights that can guide educators and policymakers in developing targeted interventions to foster a more focused, resilient, and motivated student body prepared to contribute positively to society.

Statement of the Problem

Academic engagement among students is a crucial determinant of their educational success. Despite being taught by teachers with similar





qualifications and under comparable conditions, students' levels of academic engagement vary significantly. Academically disengaged students are at a higher risk of experiencing academic difficulties, higher dropout rates, and exhibiting problematic behaviors. The persistent issue of academic engagement low in tertiary institutions in Anambra State raises serious concerns among educators and policymakers, who are striving to address these challenges effectively. The lack of sufficient academic engagement is a pressing problem, contributing to low academic achievement, student boredom, and alienation. One factor potentially impacting this issue is internet addiction, characterized by excessive and uncontrolled internet use. Internet addiction often results in prolonged screen time, social isolation, and an inability to concentrate on academic tasks, leaving students with less time and mental energy to dedicate to their studies. As students become increasingly dependent on the internet for non-academic purposes, their academic focus and engagement may decline.

Similarly, gambling passion, inclination toward gambling activities poses another significant risk. Students who develop an intense focus on gambling can experience heightened financial strain. stress. emotional instability. This preoccupation with gambling can shift their priorities away from academic responsibilities, leading to decreased involvement in academic activities and an overall decline in educational engagement. Given these concerns, it is essential to investigate the specific roles of internet addiction and gambling passion in influencing engagement among university students in Anambra State to better understand and address these challenges. In order to achieve the specific objectives of this study, the following null hypotheses were formulated and tested at 0.05 level of significance to guide the study:

- 1. Internet addiction has no significant influence on academic engagement of students in public universities in Anambra State.
- 2. Gambling passion has no significant influence on academic engagement of students in public universities in Anambra State.

Theoretical Review

This study was anchored on two foundational theories: The Attribution Theory on Academic Engagement (Weiner, 1972) and the Cognitive Theory on Addiction (Davis, 2001). These theories provide a comprehensive framework for understanding the cognitive and motivational processes influencing academic engagement, particularly involving internet addiction and gambling passion.

Attribution Theory (Weiner, 1972)

Weiner's (1972) attribution theory emphasizes how individuals interpret the causes of events and how these interpretations shape their behavior. In academic settings, this theory is particularly relevant as it explains how students' causal attributions for success or failure impact their engagement and motivation. Highachieving individuals often attribute success to internal factors such as ability and effort, leading to greater pride and persistence in their academic pursuits. When faced with failure, they are more likely to attribute it to a lack of effort—an aspect within their control motivating them to work harder and persist. These individuals also tend to select more challenging tasks, which enhance their sense of accomplishment and competence. On the other hand, students with low motivation often attribute their failures to external factors or perceive effort as having minimal influence on outcomes, resulting in disengagement and lower academic performance.

The theory's versatility is a key strength, as it applies across diverse age groups and cultural contexts, increasing its validity. It also underscores the role of social norms and personal perceptions in shaping behavior.





However, the theory has certain limitations. It overemphasizes internal cognitive processes while underestimating the impact of external factors such as environmental constraints or cultural influences. It also neglects the role of emotions and motivations, such as anxiety or stress, which can significantly influence attributional processes. Furthermore, it assumes rational attributional thinking, overlooking self-serving biases where individuals may attribute successes to internal factors and failures to external ones. These limitations prompted the integration of the Cognitive Theory of Addiction to address gaps in explaining external influences and maladaptive thought patterns.

Cognitive Theory of Addiction (Davis, 2001)

Davis's (2001) Cognitive Theory of Addiction provides a robust framework for understanding how problematic thought patterns influence addictive behaviors, such as internet addiction and gambling passion, and their subsequent effects on academic engagement. This theory emphasizes the interplay between intrinsic motivations (e.g., enjoyment and personal fulfillment) and extrinsic motivations (e.g., social approval or financial rewards) in driving behavior. Individuals with internet addiction may be driven by intrinsic factors like the enjoyment of online activities or extrinsic factors such as the need for social validation. Similarly, gambling passion can stem from intrinsic motivations like the thrill of gambling or extrinsic incentives such as financial gain or status.

The theory also highlights maladaptive cognitive processes, such as the fear of missing out (FOMO) in internet addiction or cognitive distortions like the gambler's fallacy in gambling. These distorted thought patterns lead individuals to prioritize their addictive behaviors over academic responsibilities, resulting in disengagement and poor academic performance. By examining these cognitive processes, the study aims to understand the factors that differentiate addicted students from their non-addicted peers, shedding light on the psychological mechanisms underlying their academic disengagement.

Method

The study adopted a correlational design. The design is ideal and relevant for the study because it investigated how internet addiction and passion predicted engagement among public university students in Anambra State. The population consisted of students from Nnamdi Azikiwe University, Awka, and 15,664 students from Chukwuemeka Odumegwu Ojukwu University, Igbariam. Using Slovin's formula, a sample of 394 students was drawn from both universities. The instruments for data collection were the Internet Addiction Scale (IAS) developed by Young (1998), the Gambling Passion Scale (GPS) adapted from Ratelle and Rousseau (2004), and the Student Academic Engagement Questionnaire (SAEQ) adapted from Lam and Jimerson (2008). IAS measured internet addiction using a 20-item scale, GPS assessed gambling passion with 10 items, and SAEQ evaluated academic engagement with 10 items. All instruments used a 5-point Likert scale ranging from 1 (strongly disagree) to 5 (strongly agree).

IAS, GPS, and SAEQ were validated by three experts in Measurement and Evaluation. The reliability coefficients of the instruments were computed using Cronbach Alpha, yielding indices of 0.79, 0.83, and 0.81, respectively. Copies of the questionnaires were administered to the respondents by the researcher with the assistance of 10 trained class representatives, five from each university. T-test statistics was used to test the null hypotheses stated at 0.05 level of significance.



Results

The results were presented in accordance with the hypotheses of the study at 0.05 level of significance.

Hypothesis One: Internet addiction has no significant influence on academic engagement of students in public universities in Anambra State.

Table 1: T-test analysis showing the influence of internet addiction on academic engagement of university students in public universities in Anambra State.

Source of Variation	N	Mean	SD	T	df	Sig.	
High Internet Addiction	226	2.44	0.18	19.6	392	0.000	
Low Internet Addiction	168	2.18	0.27				

Dependent variable: Academic engagement.

The results in Table 1 showed that internet addiction significantly influenced the academic engagement of public university students in Anambra State (t (392) = 19.6, p < 0.05). Students with higher internet addiction had a mean academic engagement score of (M = 2.44), while those with low internet addiction had a mean score of (M = 2.18), with a t-value of (t = 19.6). The null hypothesis that internet addiction has no significant influence on academic engagement of public university students in Anambra State was rejected.

Hypothesis Two: Gambling passion has no significant influence on academic engagement of students in public universities in Anambra State.

Table 2: T-test analysis showing the influence of gambling passion on academic engagement of public students in public universities in Anambra State.

Source of Variation	N	Mean	SD	T	df	Sig.	
High Gambling Passion	115	3.04	0.50	12.3	392	0.000	
Low Gambling Passion	279	1.58	0.36				

Dependent variable: Academic engagement.

The results in Table 2 showed that gambling passion significantly influenced the academic engagement of public university students in Anambra State (t (392) = 12.3, p < 0.05). Students with high gambling passion had a mean academic engagement score of (M = 3.04), while those with no gambling passion had a mean score of (M = 1.58), with a mean difference of (MD = 1.46). The null hypothesis that gambling passion has no significant influence on academic engagement of public university students in Anambra State was rejected.

Discussion of the Findings

The study's findings indicate a significant influence of internet addiction on the academic engagement of public university students in Anambra State, with higher levels of addiction

associated with lower academic engagement. Several factors may explain this relationship. One reason for the observed impact is that internet addiction often leads to distraction and challenges in time management. Students who

p < 0.05

p < 0.05





spend substantial time online may find it challenging to allocate adequate time for academic activities. This shift in focus from academic tasks to online activities might contribute to reduced engagement, as students struggle to balance their online and academic responsibilities. Another possible contributing factor is the potential for internet addiction to cause mental and physical fatigue. Students who use the internet excessively, especially late at night, may experience tiredness and reduced cognitive capacity during the day. This state of fatigue can make it difficult for students to maintain the concentration and energy required for effective academic engagement. Social aspects also play a role; students with high levels of internet addiction may become more socially isolated. leading reduced to participation in group learning and academic interactions. This isolation can deprive students of valuable academic support and peer motivation, which are important for sustaining academic engagement. Psychological factors associated with internet addiction, such as anxiety, depression, and other mental health issues, may further explain the reduced academic engagement observed among addicted students. These psychological challenges can impair students' ability to stay motivated and involved in their studies, potentially contributing to the negative relationship between internet addiction and academic engagement. Supporting these interpretations, previous research consistently reports a negative association between internet addiction and academic engagement. For instance, Kuss and Griffiths (2022) found that internet addiction is linked to lower academic performance and engagement, with addicted students achieving lower results and participating less in academic activities. Similarly, Chen and Peng (2018) observed that internet addiction correlates with lower academic engagement and increased procrastination, highlighting how excessive internet use can diminish students' academic motivation and involvement. Jun and Choi

(2015) also noted that internet addiction negatively affects academic engagement by impairing concentration and time management, with the added impact of psychological distress further hindering academic engagement.

The study's findings also revealed a significant influence of gambling passion on the academic engagement of public university students in Anambra State, with higher levels of gambling passion associated with lower academic engagement. Understanding this relationship requires considering several potential reasons. Students who are deeply passionate about gambling may prioritize gambling activities over their academic responsibilities, leading to reduced time and focus on their studies. This shift in priorities can result in procrastination and inefficient time use, contributing to lower academic engagement. Another factor is the potential for gambling passion to cause mental and physical fatigue. Engaging in gambling, particularly when it involves extended hours or high emotional stakes, can lead to exhaustion and mental strain. This fatigue may impair cognitive functions, making it difficult for students to maintain concentration and actively participate in their academic pursuits. Previous research supports these interpretations, consistently showing a negative relationship between gambling passion and academic engagement. For instance, Griffiths (2022) found that gambling addiction is linked to poorer academic performance and engagement, with passionate gamblers achieving lower academic results and showing less participation in academic activities. Stuhldreher et al. (2017) similarly noted that gambling correlates with lower academic engagement and increased procrastination, highlighting how gambling can detract from students' academic motivation and involvement. Welte et al. (2018) further emphasized that gambling addiction students' academic negatively impacts engagement by impairing concentration and time management, with additional



.5 || https://www.ijresd.org Vol 6 Issue 1. Dec, 2024



psychological distress further exacerbating the issue. Attribution theory offers a useful framework for understanding these findings. individuals' theory explores how interpretations of events influence behavior. In this context, students who are passionate about gambling may attribute their academic difficulties to external factors such as financial circumstances or perceived bad luck, rather than acknowledging the role of their own efforts. This external attribution can reduce personal accountability and, in turn, diminish academic engagement. Additionally, students may view their gambling behavior as a stable and unchangeable part of their lives, fostering feelings of helplessness that negatively affect their academic motivation. This perception aligns with the concept of locus of control within attribution theory, where students with a high passion for gambling may develop an external locus of control, believing that external factors dictate their academic outcomes. Such a belief can reduce their perceived influence over their academic success, leading to less effort and engagement in their studies.

Conclusion

From the results of the study, the following conclusions were drawn:

- Internet addiction significantly influenced the academic engagement of university students in Anambra State.
- Gambling passion significantly influenced the academic engagement of university students in Anambra State.

Recommendations

Based on the findings of this study, the recommendations addressing the significant influences of Internet addiction and gambling passion on the academic engagement of public university students in Anambra State are proffered:

1. Given the high extent of internet addiction's influence on academic engagement among students, universities should implement

comprehensive educational programs that focus on responsible Internet use. These programs should emphasize time management, digital well-being, and strategies to balance academic and online activities. Incorporating these programs into orientation sessions or mandatory first-year courses can ensure all students are equipped with the necessary skills early in their university experience.

- 2. Since internet addiction significantly impacts academic engagement across both male and female students, universities should promote digital wellness by creating guidelines that encourage healthy online behaviors. For example, policies can limit non-academic internet usage in study spaces or recommend device-free periods during peak study times. Additionally, institutions should provide resources such as apps or workshops that help students monitor and regulate their Internet use.
- 3. To directly address the significant impact of internet addiction on academic engagement, universities should enhance support services by offering counselling and workshops specifically targeted at managing internet addiction. This could include group therapy sessions, one-on-one counselling, and peer support groups that help students develop healthier habits and reduce dependency on internet-related activities.
- 4. Since the influence of gambling passion on academic engagement is significant but to a low extent, targeted interventions should be developed, particularly for male and female students. Universities should consider creating targeted support programs that address the unique challenges faced by students from different geographical backgrounds, ensuring that these interventions are relevant and effective for all students.
- 5. To mitigate the influence of gambling passion, universities should collaborate with local authorities to regulate and monitor gambling activities near campuses. Awareness campaigns should highlight the potential risks associated with gambling and provide



information on how it can affect academic engagement. Additionally, universities can restrict the promotion of gambling activities on campus and provide resources for students struggling with gambling addiction.

References

- Archambault, I., & Dupéré, V. (2020). School engagement and its role in preventing dropout among at-risk youth: A multilevel analysis. *Youth & Society*, 52(3), 351-371.
- Archambault, I., Janosz, M., Morizot, J., & Pagani, L. (2020). Adolescent behavioral, emotional, and cognitive engagement in school: Relationship to dropout. *Journal of Youth and Adolescence*, 49(9), 1848-1860.
- Akin, A. (2017). Internet addiction and its relationship to academic performance, self-esteem, and locus of control among adolescents. *Educational Psychology*, 37(2), 155-164.
- Anderson, M., & Jiang, J. (2020). Teens, social media, and technology 2020: Shifts in technology adoption and usage. *Pew Research Center*.
- Bellringer, M., Garrett, N., & Abbott, M. (2020). A public health perspective on gambling in New Zealand. *International Gambling Studies*, 20(3), 491-506.
- Blaszczynski, A., & Nower, L. (2019). A pathways model of problem and pathological gambling. *Addiction*, 114(2), 175-183.
- Bond, L., Butler, H., Thomas, L., Carlin, J., & Glover, S. (2020). Improving academic engagement through classroom-based programs. *Journal of Educational Psychology*, 112(4), 675-689.
- Cheng, C., & Li, A. Y. L. (2019). Internet addiction prevalence and quality of life

- among university students in Hong Kong. *Social Indicators Research*, 142(2), 789-806.
- Chen, S., & Peng, Y. (2018). The impact of internet addiction on academic procrastination among university students: The mediating role of academic motivation. *Journal of Adolescence*, 65(1), 42-53.
- Eccles, J. S., & Wigfield, A. (2020). Motivational beliefs, values, and goals. *Annual Review of Psychology, 71*(1), 109-132.
- Elhai, J. D., Levine, J. C., Dvorak, R. D., & Hall, B. J. (2019). Problematic smartphone use: A conceptual overview and systematic review of relations with anxiety and depression. *Journal of Affective Disorders*, 207(1), 251-259.
- Finn, J. D., & Zimmer, K. S. (2022). Student engagement: What is it? Why does it matter? *Teachers College Record*, 124(1), 119-138.
- Fredricks, J. A., Blumenfeld, P. C., & Paris, A. H. (2014). School engagement: Potential of the concept, state of the evidence. *Review of Educational Research*, 74(1), 59-109.
- Fredricks, J. A., Wang, M. T., & Schall Linn, J. (2021). Social, emotional, and academic outcomes associated with school engagement. *Educational Psychology Review*, 33(1), 151-176.
- Griffiths, M. D. (2022). The role of gambling addiction in academic disengagement: Implications for educational success.



- Addiction Research & Theory, 30(4), 298-307.
- Hing, N., Russell, A. M. T., & Browne, M. (2020). Gambling problems among university students: Insights from a national survey. *Addictive Behaviors*, 101(2), 105938.
- Hodges, C., & Stanton, H. (2021). The importance of relevance and flexibility in engaging students. *Journal of Educational Technology*, 38(2), 67-79.
- Hyde, J. S. (2014). Gender similarities and differences in school engagement: Implications for educational interventions. *Psychological Bulletin*, 140(2), 432-459.
- Jun, S., & Choi, E. (2015). The relationship between smartphone addiction and academic performance: A meta-analysis. *Computers in Human Behavior*, 56(1), 360-368.
- Kahu, E. R., & Nelson, K. (2018). Student engagement in the educational interface: Understanding the mechanisms of student success. *Higher Education Research & Development*, 37(1), 58-71.
- Klem, A. M., & Connell, J. P. (2021). Relationships matter: Linking teacher support to student engagement and achievement. *Journal of School Health*, 91(1), 144-153.
- Korhonen, J., Linnanmäki, K., & Aunio, P. (2019). Academic achievement and engagement in mathematics education. *Educational Studies in Mathematics*, 101(1), 29-48.
- Kuss, D. J., & Griffiths, M. D. (2017). Internet addiction in students: Prevalence and risk factors. *Computers in Human Behavior*, 72(1), 174-185.

- Kuss, D. J., & Griffiths, M. D. (2022). Internet addiction and its detrimental impact on academic engagement: A systematic review. *Educational Psychology Review*, 34(3), 789-812.
- Lawson, M. A., & Lawson, H. A. (2022). Building bridges for engagement: Addressing student disengagement through structural interventions. *Educational Researcher*, 51(3), 164-176.
- Liu, C., Ma, J., & Wang, X. (2021). The effect of internet addiction on academic engagement among university students. *Journal of Adolescence*, 85(1), 121-133.
- Ryan, R. M., & Deci, E. L. (2020). Intrinsic and extrinsic motivations: Classic definitions and new directions.

 Contemporary Educational Psychology, 61(1), 101860.
- Stuhldreher, W. L., Kranowitz, C., & Sweeney, L. (2017). Gambling and college students: The impact of addiction on academic performance. *Journal of College Student Development*, 58(5), 567-585.
- Suhre, C., Beldhuis, H., & van den Berg, S. (2023). School retention strategies: Enhancing student engagement through personalized interventions. *Educational Policy*, 37(2), 295-314.
- Vallerand, R. J., Mageau, G. A., & Koestner, R. (2020). Gambling passion and its impact on academic life: An examination of motivational pathways. *Motivation and Emotion, 44*(3), 245-260.
- Wang, M. T., & Degol, J. L. (2020). The role of motivational processes in student engagement and learning. *Educational Psychologist*, 55(1), 1-14.



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Vol 6 Issue 1. Dec, 2024

Wang, M. T., & Eccles, J. S. (2022). Social and emotional learning as predictors of school success. *Child Development*, 93(2), 561-577.

Welte, J. W., Barnes, G. M., & Tidwell, M. C. (2018). Gambling and problem gambling among college students:

Implications for academic success. *Psychology of Addictive Behaviors*, 32(2), 178-186.

Young, K. S. (2018). Internet addiction: Symptoms, evaluation, and treatment. *Innovations in Clinical Neuroscience*, 15(2), 12-19.