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A Systematic Review Of Factors Influencing Student Productivity In Higher Education

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Abstract:

Higher education is a critical context in the development of human educative and productive capabilities and in determining the social and economic profile of societies. Despite the growing trend of higher education around the world, the student productivity remains a concern and has not been enhanced as expected. In this review paper, the paper has reviewed more than 50 recent studies that particularly focused on factor such as academic, individual and environmental to student productivity in higher education. The reviewed literature strongly emphasized that there are significant association between factor such as academic, individual and environmental to student productivity in higher education. Amid to the literature, it can recommend that universities should cultivate a favorable organizational culture that prioritizes academic principles and encouraging leadership, implement adaptable and dynamic learning approaches that integrate technology and collaborative tasks, and reinforce academic support services by providing individualized tutoring and counselling. moreover, it is also essential to establish educational settings that are favorable to learning, equipped with contemporary amenities, and to actively encourage a well-rounded campus experience, covering the areas of academic, individual and environmental. The review paper contributed to extension of state-of-art literature knowledge on the subject area, identifying existing research gaps thus promote improved efforts and strategies in the education sector to increase graduation rates, employment opportunities hence increasing the prospects of positive future employment status among graduates.

Keywords: Student productivity, academic performance, learning environment, educational strategies, motivation, self-efficacy, digital learning, institutional support, academic engagement

INTRODUCTION

Higher education is a critical context in the development of human educative and productive capabilities and in determining the social and economic profile of societies [1]. As the world is rapidly changing, the overall higher education system is currently in a middle of potential transformations, and this is connected with the demands on its further expansion and changes in the expectations of the society [2]. According to UNESCO, the overall rate of students undertaking higher education has increase over two folds in the past twenty years from 100 million in the year 2000 to over 220 million in the year 2022 [3]. This enrolment has been felt most especially in the developing countries where the government has regard for higher education as an engine of growth and change. A similar trend exists in the developing countries, where the access to higher education is perceiving more and more as the mechanism for development and social promotion. For instance, Malaysia's higher education ecosystem has experienced significant growth, with an estimated 43 universities, 31 private university colleges, 9 foreign university branch

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campuses, and 414 private colleges operating across the country [4]. This expansion has led to a substantial increase in student enrolment, producing an average of around 280,000 graduates annually between 2010 and 2019. In 2024, Malaysia has over 590 higher education institutions and more than 1,270,000 students enrolled.

Despite the growing trend of higher education around the world, the student productivity remains a concern and has not been enhanced as expected due to several reasons. For instance, with increase in the number of students enrolled for higher education across the world, the completion rate however didn't kept pace, resulting a real concern among higher education institutions [5]. Recent data showing that about 40 percent of students taking up a higher education program do not complete it within the standard duration of time according to the World Bank [6]. Particularly, studies found that the disparity can be traced to a number of factors such as academic, personal and environmental factors. For instance, reports been highlighted that many universities have failed to cope with the increased number of students and due to this most universities have a high student to facility ratio [7]. This has resulted into high student to facility ratio in most universities where the lack of sufficient class size, reduced access to academic resource centers besides limited learning facilities also hampers the quality of education offered hence the achievement of students' academic dreams. This in turn may lead to reduced student's productivity, disengagement and consequently higher drop-out rates.

There are also other factors anchored on the individual factors of students that contribute to their productivity. For instance, challenges such as financial strains compel the students to work part-time or even full-time in their periods of study making them fatigued, reducing their study time and stressed [8]. Moreover, it is crucial noted that individual factors such as to mental health disorders like anxiety and depression might also affect the learning of higher education students. Also, primary commitments in individual's life like commitment to family or carrying out chores at home may also force students to struggle in terms of how they allocate their time between academic work and personal responsibilities and commitments [9]. In addition, studies also found that students' productivity at the university depends on the internal and external environment [10]. For instance, lack of or weak student community may make students feel alienated and disinterested in their academic endeavors, especially so to those studying far from home. Moreover, poor physical infrastructure which includes bad housing facilities, scarce and safe means of transport, weak and inadequately provided campus security may also affect the student productivity in education. Likewise, other interferences such as noise, overcrowding in the living spaces, and many other factors that characterize environmental stress hinder students from concentrating on their books [11].

As student productivity is equated to higher learning outcomes, higher graduation rates, higher employment rates, hence a strong measure of the student's future, it is within universities' mandate to ensure that a student is trained in a manner that will enable the students to fit in tomorrow's dynamic and highly competitive world economy [12]. The preparedness of higher education learners for such a future is not only the ability of an individual to get a job or be self-employed but also a measure of the educational function of a given institution. Despite having recognized the significance of student productivity, there is a lack of focus on the research findings that would address this issue and indicate what factors impact the productivity most of all. Though past studies have taken a closer look at some aspects of students' performance and educational results, there is lack of research that systematically review these factors and assessed the effects on student productivity across all possible contexts. For instance, student productivity has been discussed in literatures as multi-faceted and depends on different factors such as academic, personal or environmental but these have not been well explained. This indicates that there is a lack of intensive and comprehensive research in this direction which hampers the growth of both theory and practice and therefore, it becomes difficult for the universities to design specific intervention measures that can boost up the student productivity.

As a result, this review paper aims to fill this research gap by providing a systematic review and integration of literary works researching on factors that play a role in the productivity of students in higher learning institutions. The review paper objectives include: RO1. To extend state-of-art literature knowledge on the subject area and factors influencing student productivity, and thus promote improved efforts and

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strategies in the education sector to increase graduation rates, employment opportunities hence increasing the prospects of positive future employment status among graduates.; and RO2. To identify existing research gaps and provide recommendations for enhancing student productivity in higher education institutions by addressing the identified factors. This review paper identifies and collates evidence from different past studies on the different factors that affect productivity; including academic, personal, and environmental, and in-depth assess and discuss on how these factors interact to produce student results. In particular, the paper will discuss how academic relevant factors, personal factors, and environmental factors affect the productivity of students. Moreover, the review paper also aims at providing clarity of the concept of student productivity, and more crucially, to present findings that could be useful to the management of universities and policymakers in the formulation of better strategies towards the promotion of student efficiency. This review paper synthesizes the existing literature and derives key areas that may require interventions for creation of high productivity environment within educational settings for enhancing learner accomplishment, graduation rates and employment opportunities.

IMPACT OF STUDENT PRODUCTIVITY ON ACADEMIC PERFORMANCE

Generally, productivity refers to the completion of tasks in terms of the time and other input resources utilized in learning, including the amount of time spent in studying as well as evaluation of the extent to which students interact with the learning content [13]. According to literature, it was evident that there is a direct relationship between student productivity and the academic performance with studies identifying a number of factors attributing to increase in the two aspects. Time management is very important as highlighted by [14] and [15] that revealed students who found ways on how to manage their time yield higher GPAs in school. Likewise, another study established that comprehensive study skills, containing use of active learning techniques, such as self-quizzing and spaced repetitions foster better academic performance [16]. Another factor is the learning context, encouraging campus conditions and technology supporting the organization of the learning process ([17]; [18]). Research findings also substantiate these observations, confirming that while productive students usually achieve better results and better retention statistics [19]. [20] found that productivity affects student perceptions of their academic experience and enhanced learning. However, productivity continues to be difficult to quantify because of use of self-estimates and cross-sectional data and the fact that the concept under study is inherently multifaceted [21].

METHODS

This review paper conducted a systematic literature review analysis of studies which examined factors affecting student productivity in higher education from 2009 to 2024. The study used selected studies which demonstrated relevance to academic, individual and environmental factors that influence student outcomes. A systematic review process was used to analyze the studies for recognition of main literature trends and research findings alongside remaining gaps. The review method combined multiple results to reveal relationships between different influencing factors affecting student productivity. This research approach creates a complete overview of existing academic investigations while revealing approaches to enhance educational productivity among university students.

RESULT

INDIVIDUAL FACTOR

According to literature, students basically consider a lot of aspects in relation to their academic performance, which entails personality, motivation, self-confidence, and approaches to learning. In other words, when it comes to learning processes and outcomes among students, the so-called personal factors that include students' intellectual and emotional assets are particularly critical in determining the learning attitudes of students and the students' performances [22]. Pleasure and interest together with the mechanisms of external and internal pressure and control stimulate the efforts and outcomes of the students ([23]; [24]; [25]). Self- efficacy is a potent source of academic achievement since high self- efficacy

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beliefs help students to undertake challenging courses, to persevere with coursework, and to handle failure in constructive manner ([26]; [27]; [28]). Moreover, learning styles within learners including but not limited to Dunn and Dunn, and Kolb's learning style inventory predispose learners to the way they learn and succeed in their learning processes, as well as learning styles do affect study patterns and academic achievement, but there are organizational and situational factors that moderate them ([29]; [30]; [31]). In terms of research gap, there is a major gap in the literature about personal factors and their relationship to motivation, academic self-efficacy and learning styles for academic achievement. First, there is a call for more fine-grained research on how the interaction of/among intrinsic and extrinsic motivators different aspects of academic performance and across different educational settings. Although current literature documents these motivational factors, the effects of the interaction of these motivational factors are chiefly unknown on other forms of academic achievement. Second, while self-efficacy has been acknowledged as a significant predictor of academic achievement, there is lack of research on the formation process of self-efficacy beliefs across time. Special emphasis has been highlighted on the role of self-efficacy beliefs in enhancing persistence of learners in their academic pursuits amidst various difficulties. Third, students' learning styles are rich in coverage in the literature but not much research has been done on how these styles moderate educational practices and characteristics of institutions with regard to learning. In addition, there are few systematic reviews combining the cognitive and perceptual learning approaches and the motivational and self-efficacy theories to make a systematic account of academic achievement.

Table 1 Summary of the previous study that focused student productivity and individual factor

| Author | Focus area | Study | Key findings | Research |
|------------|----------------|-------------|-------------------|--------------------|
| s / years | | method | | gaps |
| Wong & | Student effort | Review of | Motivation | Need for |
| Liem | and resources | student | impacts | empirical |
| (2022) | invested in | engagement | student | studies linking |
| | academic | literature. | attitudes, | specific |
| | outcomes | | behavior, | motivational |
| | | | institutional | strategies to |
| | | | outcomes like | academic |
| | | | reputation and | outcomes. |
| | | | financial status. | |
| Mauliya et | Intrinsic and | qualitative | Intrinsic | Further research |
| al. (2020) | extrinsic | | motivation | needed on the |
| | motivational | | arises from | impact of |
| | factors | | personal | specific intrinsic |
| | | | interests, while | and extrinsic |
| | | | extrinsic | factors in |
| | | | motivation is | different |
| | | | influenced by | educational |
| | | | external factors | settings. |
| | | | like macro- | |
| | | | economic | |
| | | | conditions. | |

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| Žalėnienė | Extrinsic | Literature | Extrinsic | Need for more |
|-------------|-----------------|-------------------|-------------------|--------------------|
| & Pereira | motivation | review. | motivation is | studies on how |
| (2021) | motivation | ieview. | shaped by | institutional |
| (2021) | | | environmental | policies and |
| | | | | * |
| | | | factors and | macro-economic |
| | | | institutional | factors |
| | | | policies. | specifically |
| | | | | affect student |
| | | | | motivation. |
| Camfield | Impact of self- | Qualitative | High self- | More empirical |
| et al. | efficacy on | | efficacy leads to | studies required |
| (2021) | productivity | | setting | to understand |
| | | | challenging | the impact of |
| | | | goals and | self-efficacy on |
| | | | persistence | various |
| | | | despite failure. | academic |
| | | | | outcomes. |
| Schunk | Self-efficacy | Literature | Self-efficacy | Need for |
| (2023) | beliefs and | review | affects students' | research on how |
| | academic | | goal-setting and | different levels |
| | performance | | effort levels, | of self-efficacy |
| | | | influencing | affect diverse |
| | | | academic | student |
| | | | success. | populations and |
| | | | | academic fields. |
| Trautner | Outcome | PLS-SEM | Self-efficacy | Research |
| & | expectancy | | influences the | needed on |
| Schwinger | and self- | | expectancy of | interaction |
| (2020) | efficacy | | outcomes, | between |
| | | | affecting | outcome |
| | | | performance. | expectancy and |
| | | | | self-efficacy. |
| Maya et al. | Cognitive and | interdisciplinary | These styles | Need for |
| (2021) | perceptual | approach | influence | empirical |
| | styles | | psychological | studies linking |
| | | | processes and | learning styles to |
| | | | learning | specific |
| | | | strategies. | academic |
| | | | | outcomes. |
| Kathiah et | Learning | Quantitative | Learning style | Need for studies |
| al. (2024) | styles and | | distribution | on |
| | organizational | | varies by | organizational- |
| | characteristics | | organization, | specific |
| | | | not just | predictors of |
| | | | industry. | learning styles. |
| L | | | | 2007200 |

ENVIRONMENTAL FACTOR

From the reviewed literature, the impact of the physical-technological environments in relation to student productivity in higher learning institutions stands out blazing. [32] and [33] studies have supported the argument that design of classrooms and other physical spaces in a university influence students' learning

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process, satisfaction, and retention. UCLA's [34] have rightly zeroed in on the positive influence of well-designed classroom environment, however, very limited literature is available as to how all the above mantled campus setting taken together influence learner outcomes. Likewise, whereas technology has enriched the ways in which people learn. [35] pointed out that, many institutions still apply archaic technologies that reduce such gains. Also, [36] and [37] show that, in fact, disturbance by the acoustic characteristics is not so significant compared with other physical cues. In sum, the literature points at a need for more intersectional research that investigates how campus design that encompasses both indoor and outdoor spaces, as well as how the integration of technology into learning spaces can be optimized to foster student activity and productivity and gaps that the current research leaves open with regard to more sustainable learning environments and promoting the provision of good learning environments for students.

Based on the reviewed literature, several research gap can be identified. First, concerns with the physical learning space that encompasses the size of classroom, the shape and the configuration, arrangements of learning spaces indoors and outdoors, are all adequately captured but little is known about the surrounding environment that the students learn in including play areas, library and even the compound layout as a whole. Another limitation that can be identified is the absence of a comprehensive examination of the ways in which the different campus environments may influence the students' productivity; hence, the paper opens for a wider examination of the overall university environment for students ([38]; [39]). Second, while having agreed with that, technology has been known to foster learning, many learning institutions remain with outdated or without enhanced technology that's the effect that have on stromal engagement and performance has not been researched on [40]. Third, although technological uses such as 'online course management' and 'virtual learning environment' are widely studied, the combined interaction of these and physical learning environments for students remains under-researched [41]. Sanitizing also, architectural features among them the acoustic environment have been considered by some studies but they in particular had shown that it had a minimal influence as regards to other aspects; this means that the aspect of acoustic environment has to be still considered together with other characteristics of spaces ([36]; [37]).

Table 2 Summary of the previous study that focused student productivity and environmental factor

| Author | Focus area | Study | Key | Research |
|------------|-----------------|--------------|------------------|------------------|
| s / years | | method | findings | gaps |
| Rajesh | Environmenta | Literature | Physical and | Need for |
| (2014); | l impact on | review and | technological | comprehensive |
| Saleem et | student | case studies | characteristics | studies on the |
| al. (2012) | productivity | | significantly | broader campus |
| | | | affect learning, | environment |
| | | | satisfaction, | beyond |
| | | | and retention. | individual |
| | | | | classrooms. |
| Horne & | Classroom | Empirical | Effective | Limited focus |
| Martin | design features | research, | classroom | on overall |
| (2009) | | surveys | design | campus |
| | | | enhances class | environment |
| | | | climate, | rather than just |
| | | | attendance, | individual |
| | | | participation, | classroom |
| | | | and | design. |
| | | | performance. | |

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| 17 1 | O 11 | | T1 | 1 |
|--------------|---------------|-------------------------|----------------|-------------------|
| Kuo et al. | Overall | Quantitative | The campus | More research |
| (2021); | campus | analysis, | environment | needed on how |
| Oliveira et | environment | campus | influences | different |
| al. (2021) | | surveys | student | campus spaces |
| | | | experiences | affect |
| | | | and results, | productivity. |
| | | | but less | |
| | | | research on | |
| | | | this aspect. | |
| Li & Kim | Influence of | Experimental | Acoustic | Further |
| (2022); | acoustic | studies | environment | investigation |
| Brink et al. | settings | staares | has limited | into the |
| (2021) | settings | | impact on | significance of |
| (2021) | | | student | Ŭ |
| | | | | acoustic design |
| | | | productivity. | in various |
| | | | | learning |
| | | | | settings. |
| Haleem et | Role of | Literature | Technology | Need to explore |
| al. (2022); | technology in | review, | enhances | how technology |
| Alam | education | | classroom | impacts learner |
| (2023); | | | learning and | engagement |
| Veluvali & | | | learner | and |
| Surisetti | | | engagement, | productivity in |
| (2022) | | | shifting from | various settings. |
| | | | print-based to | |
| | | | interactive | |
| | | | environments. | |
| Reich | Virtual | Case studies, | VLEs often | Investigate how |
| (2020); | Learning | user | replace non- | VLEs can be |
| David & | Environments | experience | digital | improved to |
| Aguilar- | (VLEs) | surveys | components | enhance active |
| Cruz | , , | , | but may not | learning and |
| (2023) | | | revolutionize | collaboration. |
| (2020) | | | learning; | conasoración |
| | | | passive | |
| | | | engagement | |
| | | | observed. | |
| Martins et | Factors | Mixed- | Engagement | Study the |
| al. (2022); | influencing | methods | involves | impact of |
| Butt et al. | student | research, | attention, | advanced |
| (2022); | | · · | emotion, and | educational |
| | engagement | longitudinal studies | ′ | |
| Beasley | | studies | cognition; | technologies on |
| (2021) | | | influenced by | student |
| | | | environment, | engagement |
| | | | motivation, | and |
| | | | and social | performance. |
| | 01 | | interactions. | P 1 1 |
| Saleem et | Classroom | Review | | Explore how to |
| al. (2012); | and learning | studies, meta- | Proper design | optimize |
| 1 | space design | analysis | improves | classroom and |

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| Sadick et | | educational | campus design |
|------------|--|----------------|------------------|
| al. (2020) | | climate and | to maximize |
| | | performance; | student success. |
| | | global | |
| | | recognition of | |
| | | its | |
| | | importance. | |

ACADEMIC FACTOR

The literature indicates that organizational culture, teaching methods, and academic support services play a crucial role in shaping student productivity and academic achievement. Studies emphasize that organizational culture has a fundamental impact on behaviours and outcomes, with positive cultures leading to increased productivity. Further investigation is required to establish a direct correlation between particular cultural practices and academic achievement among students. Studies have demonstrated that teaching methods, especially those that are innovative and include active learning, can enhance student engagement and increase outcomes.

Eventually, the literature consistently supports the idea that student productivity is a complex process, which is influenced by factors such as the organizational culture, implementation of instructional methods, and availability of academic support services. While several studies have a significant fascination with these relationships, several aspects have not been definitively confirmed as of yet. Hence, additional research is required to investigate how particular organizational culture practices influence or hinder students' productivity, the long-term effects of different teaching methods, and the most effective components of academic support services.

Table 3 Summary of the previous study that focused student productivity and academic factor

| Author | Focus | Study | Key | Research gaps |
|-------------|--------------|-------------|----------------|----------------------|
| s / years | area | method | findings | |
| Akpa et al. | Organization | Qualitative | Organizational | Need for more |
| (2021) | al Culture | | culture shapes | empirical studies |
| | | | member | linking |
| | | | behaviour | organizational |
| | | | within and | culture directly to |
| | | | outside the | academic |
| | | | organization. | performance |
| Forson et | Organization | Survey | Organizational | limited exploration |
| al. (2021) | al Culture | | culture | of specific cultural |
| | | | significantly | elements on |
| | | | impacts | student |
| | | | employee | productivity. |
| | | | motivation, an | |
| | | | indicator of | |
| | | | productivity. | |
| Adams- | Organization | Case study | Appropriate | Further research |
| Manning | al Culture | | organizational | needed on how |
| (2018) | | | culture boosts | specific cultural |
| | | | student | practices influence |
| | | | commitment | student outcomes |

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| | | | 1 | in different |
|-------------|----------|-------------|----------------|----------------------|
| | | | and | |
| D . 1 | T 1. | т. | performance. | contexts. |
| Brink et | Teaching | Literature | The choice of | Lack of |
| al. (2021) | method | review | teaching | longitudinal |
| | | | method | studies to assess |
| | | | significantly | long-term effects of |
| | | | impacts | different teaching |
| | | | student | methods on |
| | | _ | productivity | productivity. |
| Awacorac | Teaching | Comparativ | Active | Need for more |
| h et al. | method | e analysis | learning and | research on the |
| (2021) | | | technology | effectiveness of |
| | | | integration | hybrid teaching |
| | | | enhance | models. |
| | | | student | |
| | | | engagement | |
| | | | and | |
| | | | productivity | |
| Dolores | Teaching | Survey | Group and | Limited studies on |
| de Juan | method | | peer learning | the impact of |
| Vigaray et | | | positively | group learning in |
| al. (2010) | | | influence | diverse cultural |
| | | | student | contexts. |
| | | | academic | |
| | | | performance | |
| | | | and | |
| | | | productivity. | |
| Hall et al. | Academic | Survey | Tutoring and | More research |
| (2021) | Support | | counseling | needed on the |
| | Services | | services | specific elements |
| | | | improve | of support services |
| | | | student GPA | that most |
| | | | and reduce | effectively boost |
| | | | class failure | productivity. |
| | | | rates. | |
| Wu | Academic | Quantitativ | Positive | Lack of analysis on |
| (2021) | Support | e analysis | relationship | how these services |
| | Services | | between | impact different |
| | | | academic | student |
| | | | support | demographics. |
| | | | services and | |
| | | | student | |
| | | | productivity | |
| Santos et | Academic | Mixed- | Students | Further studies |
| al. (2020) | Support | method | utilizing | needed to |
| | Services | | support | understand why |
| | | | services are | some students |
| | | | generally more | benefit more than |
| | | | productive | others from these |
| | | | academically. | services. |

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DISCUSSION

INDIVIDUAL FACTOR

Personal factors are defined as internal psychological characteristics or the factors that are inherent to the individual or the student in particular [22]. Student characteristics are the variation that exists in terms of their predispositions towards or away from particular ideas or ways of learning, perceiving, and interpreting data. The aim is to determine the nature and extent of academic, intellectual, developmental, personality, motivational, social and emotional differences affecting learning, school performance and academic productivity and how these may be managed and addressed through feasible and effective intervention and educational practices.

MOTIVATION

Student motivation includes student effort, or, in other words, the use that a student makes of his or her resources, including time, energy and attention in the direction of specific academic outcomes [23]. The consequences of motivation are far-reaching affecting individual's attitude and behavior as well as institutional returns such as better reputation, better financial position, and higher human capital by more degree attainment ([42]; [43]). As motivation has an influence on the degree of consideration and effort students invest in the learning activities, therefore motivational factors are found significantly importance [44]. Such factors are generally distinguished with intrinsic and extrinsic rewards.

This kind of motivation stems from the student's internal factors such as a love for a certain subject, or a desire to excel [25]. This is more of an intrinsic motivation and as such, it comes from within and it comprises elements such as curiosity. On the other hand, extrinsic motivation originates from outside a student and includes macro-economic environment, institutional programs and information environment that determine the student's participation in his or her academics [25]. In the classification of internal motivations, other subcategories point out how goals are taken, including social factors such as parental encouragement and peer pressure and education factors [45]. Moreover, goal orientation literature reveals that mastery-oriented students tend to be motivated by personal standards of performance while performance-oriented students are motivated by things like grades [46].

SELF-EFFICACY

According to [26] self-efficacy is one of the most significant predictors of students' productivity and can be viewed as a gate to the academic success. Specifically, those who have high self-efficacy beliefs have the perceiving themselves capable of being able to complete certain tasks and these encourage them to set challenging goals and endure challenge which is crucial ([27]; [28]). Eventually, individual with self-efficacy do not get easily dissuaded from their activities in the event they experience some form of failure, rather they exhibit more effort and persistence in the course of their activities. Studies show that self-efficiency is a protective factor for several personal achievements especially in areas that require diligence, hard work and participation in acquisition of new knowledge and technologies [47].

On top of that, self-efficacy beliefs also work with numerous mechanisms to determine performance and this is revealed by [48]. Studies argue that high self-efficacy means that students will be more likely to set challenging goals and use a great deal of effort to attain them. It is positively associated with greater tenacity and endeavor [49]. Moreover, self-efficacy beliefs influence the expectancy of outcomes, for example the consequences of success or failure such as social repercussions like satisfaction, reputation, and interpersonal relationship [50]. This also explain that the academic outcome expectancies, through the variable of academic goal setting and self-efficacy affect student performance. In addition, self-efficacy beliefs enable the achievement of favorable student outcomes by promoting adapted coping strategies to failure. The resourcefulness in managing difficulties is a related concept with personal efficacy stressing on the self-efficacy as a key to sustained optimism in coping and academic perseverance ([51]; [52]).

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LEARNING STYLE

The cognitive and perceptual student patterns significantly vary having implications on their psychological processes [29]. This diversity of learning styles is educationally relevant, since students use a range of approaches organizationally to the learning process including, choice of material and amount of work input. These styles can be related to the academic results and determine approaches to studying and the results of the process [53]. For example, Xu et al study emphasized although the theory of cognitive-style construct postulated from the Dunn and Dunn model differentially and validly explained the students' post-training awareness of cognitive style, it did not significantly explain students' productivity or other study variables, including age, gender, and academic performance [30]. Furthermore, the Kolb's learning style inventory that is used in different settings such as pharmacy, industrial manufacturing, engineering and other organizations and industries also affirmed that the learning style distribution is highly variable across organizations and industries. However, there is moderate support from in the findings of [31] that showed organizational-specific work group composition could better predict learning styles than industry characteristics.

ENVIRONMENTAL FACTOR

Physical and technological characteristics of learning environments are imperative to determining student productivity since they act as one of the key determinants of the learning environment ([32]; [33]). The aspects of such environments can influence students 'learning, satisfaction and retention, leading to their performance and productivity in their colleges or universities.

PHYSICAL ENVIRONMENT

One significant finding published in several research is the impact of design features in the architectural learning environment on productivity of students. Concretely and more narrowly, effective classroom learning environments have been conceptualized to enhance positive classroom climate that enable positive construction with the students' classroom tasks through enhanced class attendance, participation and performance [34]. On the other hand, appropriately designed classroom has been realized to hamper academic processes and reduced academic standards measures ad frequency and attendance. While there is a vast amount of literature on the appearance of the classroom there is much less if any concern for the building and the environment that universities inhabit even outside of the classroom. This is surprisingly missing since the totality of the campus context that includes a wide range of spatial contexts and architectural features appears to potently influence the student experiences and their results.

Similarly, most of the work done in this field of study has focused on specific sections such as recreational areas, library, and social areas while a vast area of research interest has been left untouched with regards to the impact that the overall campus environment has on student productivity ([38]; [39]). Though, the area as a whole is still a work in progress, the effects that classroom have on the students have been the subject of extensive studies. Such features as size, form, and disposition of learning environment and arrangement of class affect socially constructive interaction and motivational exertion to result into better grades and increased attendance records. Whereas, other studies have also focused on the acoustic environment; in regard to the students' productivity, it was found not to have much impact ([36], [37]). Moreover, Classness spatial arrangement attributes within design has mainly supported learning and management strategies in higher learning institutions; thereby specifying global acclaim to such decisions. Appropriate application of these attributes can improve the educational climate which in its turn will contribute to improved learning performance and hence, the students' success around the world ([33]; [54]). In this concern it is recommended that further research be done to capture every aspect of the physical environment of universities and the effects that such environment has on productivity of students; There is also need to go further in exploring how the existing or new class arrangements can best support productivity of students in university.

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TECHNOLOGICAL ENVIRONMENT

Technological environment in higher learning entails used or usable technologies which supplement and facilitate learning among the learners [35]. It comprises the technologies like the online course management systems, technological tools for research, virtual learning environment, and educational software. Technology when adopted into the systems of learning has brought a dramatic shift on the traditional learning models with the prospects of increasing effectiveness of the classroom learning and increased engagement of the learners ([55]; [56]). In the past, teaching learning processes in the context of higher learning institutions have been closely associated with printed textual manuscripts and traditional pedagogy. However, the emergence of technological effectively has moved the emphasis onto the interactive and richness of the learning environment [57]. However, still in many learning organizations, facilities, and institutions there are utilizing environment that has been developed formerly and is Suffice based on textual print media [40]. VLEs have, more often than not, led to a substitution of some aspects of non-technology enhanced education systems without revolutionizing learning. Due to these issues, learner engagement participation in these environments has often been described as passive with the learners working in a silo rather than in pairs or groups.

Another important characteristic of the technological environment consists of the level of students' engagement ([58]; [41]). Education is a process of paying attention on education related activities, of giving and applying feelings, thoughts, and efforts for educational activities. Research identifies four primary factors that influence engagement: level of compatibility with learners' expectations, motivations, and needs; nature of the educational environment and it's perceived by learners; learners' experiences that may potentially affect their ability to process educational stimuli; and the interaction between learners and the educational staff [59]. It becomes pertinent to study the impact of such resources and technologies on these aspects for better students' engagement and the general performance. Similarly, it is significant to pursue the optimization of advanced educational technologies in the educational process of students to enhance and promote their learning processes ([60]; [61]; [62]).

ACADEMIC FACTOR

According to [63], the academic factor can refer to everything in academic life that can influence the performance of a student. This can concern anything from class work, to out of class work, to the nature of that class work. It also concerns the way in which a that work is presented to the student, and any support available to help a student engage with that work.

ORGANIZATIONAL CULTURE

Organization culture in this context comprises of the values, beliefs, attires, and practices that define the manner in which members in an organization, or establishment behave and transact their businesses, both within and outside the organization [64]. Several studies highlighted that there is major impact on the standards of employee motivation, which serves as one of the leading early indicators of workplace productivity and performance ([65]; [66]). Moreover, organizational culture consists of leadership, decision making, management, communication, workers relationship, institutions and culture values and norms, and social pressure influence [67]. According to literature, appropriate organizational culture is crucial for boosting purpose, commitment, and performance of the students pursuing higher learning education [68]. The studies conducted demonstrate that high expectation of students and emphasis on academic goal creates a positive path towards the achievement of such goals [69]. For example, past studies identified that the institutions focused on research force students into enhancing their output ([70]; [58]). On the other hand, instances where institutions emphasize sports and recreation, they end up compromising student's concentration on their books ([71]; [72])). Thus, it was suggested that in higher learning institutions, institution culture should promote learning, honor, and uphold academic values for all the students and embrace all students.

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TEACHING METHOD

Teaching method is a factor influencing student productivity pertinent to how students are taught in a higher education academic environment [37]. According to literature, several past studies have in-depth explored the current teaching methods in higher education, whether traditional lecture-based teaching is still the mainstay of academics or if universities are adopting more active learning approaches, and how new technology is impacting student pedagogy, and whether online instruction is leading to more productive students [73]. For instance, the productivity levels and teaching methods used in universities in different countries are examined to assess whether the teaching method alters between discipline areas, if different teaching methods are always the best approach, and what innovative pedagogical methods are being utilized to ensure that students are engaged and motivated to learn [74]. The effectiveness of group and peer learning in the teaching setting is also analyzed as well as reviewing how the teaching method influences student academic performance and overall productivity in higher education institutions ([75]; [76]).

ACADEMIC SUPPORT SERVICE

According to past studies, it was argued that tutoring and such other academic related services like counselling and study skills development classes have been found to affect productivity of students in a positive way ([77]; [78]) This productivity, which would generally be quantified as GPA, class failures, and overall performance, rises considerably when students employ one or several of these services, as shown by [79]. But, when academic services have been incorporated and analyzed as the control variable in models estimating student productivity from attitudinal and prior background characteristics and preentry performance, the same positive relationship is not invariant. For instance, productivity measures such as Total GPA, number of hours worked per week, and SAP status to depict respondents' performance show a positive and statistically significant relationship with support service utilization showing that students utilizing support services are at least as productive as their counterparts who do not use any support service [57]. This finding, while seemingly counterintuitive, can be interpreted in several ways, for instance either academic services actually increase productivity, with users gaining higher grades, or these services assist learners with poor academic performance without positively predisposing overall productivity increments ([59]; [80]).

RECOMMENDATIONS FOR HIGHER EDUCATION PROVIDERS AND FUTURE WORK

Amid to the literature review, several recommendations can be made for the higher education providers. For instance, in order to greatly enhance student productivity, institutions should concentrate on establishing a favorable corporate culture that places a high importance on academic ideals, encourages dedication, and advocates for supporting leadership. This entails incorporating these principles into the institution's vision and rules, fostering transparent communication, and acknowledging academic accomplishments to inspire and incentivize both students and staff. Furthermore, universities ought to embrace adaptable and inventive instructional techniques that surpass conventional lecture-centered approaches. Universities can improve student engagement and learning results by implementing active learning methods, such as group projects, interactive debates, and technology-enhanced education. Moreover, Hybrid learning methods which integrate both in-person and online training can also better accommodate the different needs of students, offering increased access to resources and flexibility in the learning process. In addition, it is crucial to enhance academic support services by increasing the availability of tutoring, counselling, and tailored academic support programs in universities. These programs should be designed to cater to the specific requirements of individual students, assisting them in overcoming obstacles and attaining academic excellence. Consistent surveillance and assessment of these services can guarantee their continued efficacy and adaptability to the demands of students. On top of that, higher education providers should establish favorable learning environments by allocating resources to modern, well-equipped physical and digital facilities that facilitate both collaborative and independent study. For instance, encouraging a well-rounded campus experience, in which academic

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pursuits are enhanced by participation in extracurricular activities such as athletics, arts, and social events, can positively impact the general well-being and productivity of students. Ultimately, cultivating an all-encompassing and varied campus atmosphere is crucially important, as it guarantees that every student is esteemed, motivated, and assisted, hence enhancing morale, involvement, and scholastic achievement, gradually increasing the student productivity.

Future work also includes to create a comprehensive framework to provide educational settings with guidance on how to establish their instructional environment in a suitable manner. In addition to quantitative approaches, the use of mixed-method designs can be adopted in future work to contribute to a more comprehensive understanding of context-specific elements that can be established as distinctive selling points. In order to enhance the effectiveness of research on learning productivity, it would be advantageous to create standardized instruments that can be used to compare findings across different studies.

CONCLUSION

There has been a growing interest in recent years in studying the factors that affect student productivity in higher education. This review paper reveals that there are still significant unanswered questions, as well as crucial contextual aspects that impact educational environments. In this context, future research can include review more quantitative studies finding and examine the effects of national culture using data from the World Values Survey and GLOBE project. To address conflicts, it can recommend to carry out qualitative case studies as a first cost-effective measure. Similarly, a longitudinal study can also conduct to provide insight into how their moderating influence changes over time as classes graduate.

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CONFLICT OF INTEREST

Declare that there are no conflicts of interest

REFERENCES

- [1] Sanyal, B. C. (2024). Higher education and employment: An international comparative analysis. Taylor & Francis.
- [2] Bie, D., & Yi, M. (2024). Higher education popularization: criteria, process and pathways. In The Frontier of Education Reform and Development in China: Articles from Educational Research (2021-2022) (pp. 341-372). Singapore: Springer Nature Singapore.
- [3] Frawley, A., Wakeham, C., McLaughlin, K., & Ecclestone, K. (2024). Constructing a crisis: Mental health, higher education and policy entrepreneurs. Sociological Research Online, 13607804231215943.
- [4] Wickneswary, N., Senathirajah, A. R. B. S., Haque, R., Udang, L. N., Osman, Z., Al-Ainati, S., & Ramasamy, G. (2024). Factors Influencing College Students' Educational Enrolment Choice in Private Higher Education Institution in Klang Valley, Malaysia. Kurdish Studies, 12(2), 3674-3693.
 - [5] Gaston, P. L. (2023). Higher education accreditation: How it's changing, why it must. Taylor & Francis.
- [6] Edwards Jr, D. B., Caravaca, A., Rappeport, A., & Sperduti, V. R. (2024). World Bank influence on policy formation in education: a systematic review of the literature. Review of Educational Research, 94(4), 584-622.
- [7] Ramolobe, K. S., Malatji, M., & Mavuso, S. (2024). An evaluation of venue capacity constraints on teaching and learning in higher education. Transformation in Higher Education, 9, 328.
- [8] e Sehar, N., Riaz, N., Azad, S., Ahmed, S., Anees, S., Aysha, S., ... & Lodhi, K. (2024). Challenges In Balancing Academic And Financ
- [9] Hernandez, K. (2024). The Effects of Family Role Obligations on First-Generation Latina College Students' Experience (Master's thesis, California State University, Fresno).
- [10] Agasisti, T., Egorov, A., Platonova, D., & Serebrennikov, P. (2024). Universities' internal governance and their efficiency: empirical evidence from Russia. International Transactions in Operational Research.

ISSN: 2229-7359 Vol. 11 No. 17s, 2025

https://www.theaspd.com/ijes.php

- [11] Iordye, P., & Jato, T. (2023). Physical School Environment and Students' Achievement: Lessons for Nigeria. Rivers State University Journal of Education, 26(1), 56-66.
- [12] Aguilar, M. D. C. G., de la Garza Carranza, M. T., Teresa, S., Ibarra, C., & Cervantes, M. S. (2024). 11 University social responsibility: evaluation and impact on student satisfaction as an opportunity for knowledge management and sustainability. Ecocentrism for Knowledge Management and Sustainability: Theoretical and Practical Studies in the Post-industrial Era, 176.
- [13] Uwizeye, D., Karimi, F., Thiong'o, C., Syonguvi, J., Ochieng, V., Kiroro, F., Gateri, A., M. Khisa, A., & Wao, H. (2022). Factors associated with research productivity in higher education institutions in Africa: a systematic review.
- [14] Floyd, E., Tomar, S., & Lee, D. J. (2024). Making the grade (but not disclosing it): How withholding grades affects student behavior and employment. Management Science, 70(4), 2497-2517.
- [15] Nunes, C., Oliveira, T., Castelli, M., & Cruz-Jesus, F. (2023). Determinants of academic achievement: How parents and teachers influence high school students' performance. Heliyon, 9(2).
- [16] Boothe, C. M. (2023). Study Strategies and Time Management: The Broccoli of Academics. The University of Mississippi Medical Center.
- [17] Stumbrienė, D., Jevsikova, T., & Kontvainė, V. (2024). Key factors influencing teachers' motivation to transfer technology-enabled educational innovation. Education and Information Technologies, 29(2), 1697-1731.
- [18] Márquez, L., Henríquez, V., Chevreux, H., Scheihing, E., & Guerra, J. (2024). Adoption of learning analytics in higher education institutions: A systematic literature review. British Journal of Educational Technology, 55(2), 439-459.
- [19] Kwiek, M., & Roszka, W. (2024). Once highly productive, forever highly productive? Full professors' research productivity from a longitudinal perspective. Higher Education, 87(3), 519-549.
- [20] Adhami, N., & Taghizadeh, M. (2024). Integrating inquiry-based learning and computer supported collaborative learning into flipped classroom: Effects on academic writing performance and perceptions of students of railway engineering. Computer Assisted Language Learning, 37(3), 521-557.
- [21] Rolle, A. (2024). Out with the old—in with the new: Thoughts on the future of educational productivity research. In K-12 Education Finance (pp. 31-56). Routledge.
- [22] Morosanova, V. I., Bondarenko, I. N., & Fomina, T. G. (2022). Conscious self-regulation, motivational factors, and personality traits as predictors of students' academic performance: a linear empirical model. Psychology in Russia, 15(4), 170.
- [23] Wong, Z. Y. & Liem, G. A. D. (2022). Student engagement: Current state of the construct, conceptual refinement, and future research directions. Educational Psychology Review.
- [24] AVARA, H. (2023). SCENES FROM THE 21ST CENTURY EFL CLASSROOM: MOTIVATION, CHALLENGES AND STRATEGIES. THE ART OF TEACHING ENGLISH IN THE 21 st CENTURY SETTINGS, 338.
- [25] Žalėnienė, I. & Pereira, P. (2021). Higher education for sustainability: A global perspective. Geography and Sustainability.
- [26] Camfield, E. K., Schiller, N. R., & Land, K. M. (2021). Nipped in the bud: COVID-19 reveals the malleability of STEM student self-efficacy. CBE–Life Sciences Education, 20(2), ar25.
- [27] Schunk, D. H. (2023). Self-regulation of self-efficacy and attributions in academic settings. Self-regulation of learning and performance.
- [28] Lauermann, F. & ten Hagen, I. (2021). Do teachers' perceived teaching competence and self-efficacy affect students' academic outcomes? A closer look at student-reported classroom processes and Educational psychologist.
- [29] Maya, J., Luesia, J. F., & Pérez-Padilla, J. (2021). The relationship between learning styles and academic performance: Consistency among multiple assessment methods in psychology and education students. Sustainability.
- [30] Xu, J., Ong, J., Tran, T., Kollar, Y., Wu, A., Vujicic, M., & Hsiao, H. (2021). The impact of study and learning strategies on post-secondary student academic achievement: A mixed-methods systematic review.
- [31] Kathiah, R., Daya A, P., Selvakumar, S., Arathi, K., & K, M. (2024). Deciphering the Nexus: Exploring Learning Styles and Academic Success Among Medical Students Through a Comprehensive Study.
 - [32] Rajesh, R. (2014). Survey on Student's Perception of Class Room Environment in an Engineering College.
- [33] Saleem, A., Ali Shah, A., Arif, M., Shehzad, K., & Ullah, I. (2012). Impact of Internal Physical Environment on Academicians' Productivity in Pakistan: Higher Education Institutes Perspectives.
 - [34] Horne Martin, S. (2009). Environment-Behaviour Studies in the Classroom.
- [35] Haleem, A., Javaid, M., Qadri, M. A., & Suman, R. (2022). Understanding the role of digital technologies in education: A review. Sustainable Operations and Computers, 3, 275-285.

ISSN: 2229-7359 Vol. 11 No. 17s, 2025

https://www.theaspd.com/ijes.php

- [36] Li, Z. & Kim, E. (2022). Effects of different environment combinations on the comfort and productivity of researchers in winter. Indoor and Built Environment.
- [37] Brink, H. W., Loomans, M. G. L. C., Mobach, M. P., & Kort, H. S. M. (2021). Classrooms' indoor environmental conditions affecting the academic achievement of students and teachers in higher education: A systematic literature review. Indoor air.
- [38] Kuo, T. M., Tsai, C. C., & Wang, J. C. (2021). Linking web-based learning self-efficacy and learning engagement in MOOCs: The role of online academic hardiness. The Internet and Higher Education.
- [39] Oliveira, G., Grenha Teixeira, J., Torres, A., & Morais, C. (2021). An exploratory study on the emergency remote education experience of higher education students and teachers during the COVID-19 pandemic. British Journal of Educational Technology, 52(4), 1357-1376.
- [40] David, W. F. F., & Aguilar-Cruz, P. J. (2023). Designing and assessing virtual learning objects to foster english for specific purposes in higher education. Revista Científica Del Amazonas, 6(11), 14-29.
- [41] Butt, S., Umair, T., & Tajammal, R. (2024). Nexus between Key Determinants of Service Quality and Students' Satisfaction in Higher Education Institutions (HEIs). Annals of Human and Social Sciences, 5(2), 659-671
- [42] Tani, M., Gheith, M. H., & Papaluca, O. (2021). Drivers of student engagement in higher education: a behavioral reasoning theory perspective. Higher Education.
- [43] Ogunmokun, O. A., Unverdi-Creig, G. I., Said, H., Avci, T., & Eluwole, K. K. (2021). Consumer well-being through engagement and innovation in higher education: A conceptual model and research propositions. Journal of Public Affairs, 21(1), e2100.
- [44] Mauliya, I., Relianisa, R. Z., & Rokhyati, U. (2020). Lack of motivation factors creating poor academic performance in the context of graduate English department students. Linguists: Journal Of Linguistics and Language Teaching, 6(2), 73-85.
- [45] Giletta, M., Choukas-Bradley, S., Maes, M., Linthicum, K. P., Card, N. A., & Prinstein, M. J. (2021). A meta-analysis of longitudinal peer influence effects in childhood and adolescence. Psychological Bulletin, 147(7), 719.
- [46] Laitinen, S., Kaukiainen, A., & Tuominen, T. (2024). Motivational Orientation Profiles and Study Well-Being among Higher Education Students. Education Sciences.
- [47] Alhadabi, A., & Karpinski, A. C. (2020). Grit, self-efficacy, achievement orientation goals, and academic performance in University students. International Journal of Adolescence and Youth, 25(1), 519-535.
- [48] Teng, M. F. & Wang, C. (2023). Assessing academic writing self-efficacy belief and writing performance in a foreign language context. Foreign Language Annals.
- [49] Lake, W., (Bill) E Boyd, W., & Boyd, W. (2018). Transforming student expectations through a real-time feedback process and the introduction of concepts of self-efficacy surprising results of a university-wide experiment.
- [50] Trautner, M. & Schwinger, M. (2020). Integrating the concepts self-efficacy and motivation regulation: How do self-efficacy beliefs for motivation regulation influence self-regulatory success?. Learning and Individual Differences.
- [51] Li, W. (2022). Resilience among language learners: the roles of support, self-efficacy, and buoyancy. Frontiers in Psychology.
- [52] Etherton, K., Steele-Johnson, D., Salvano, K., & Kovacs, N. (2022). Resilience effects on student performance and well-being: the role of self-efficacy, self-set goals, and anxiety. The Journal of general psychology, 149(3), 279-298.
- [53] M. Frantz, J., V. Roman, N., & de Jager, M. (2017). An exploration of learning styles used by social work students: a systematic review.
- [54] Sadick, A. M., Kpamma, Z. E., & Agyefi-Mensah, S. (2020). Impact of indoor environmental quality on job satisfaction and self-reported productivity of university employees in a tropical African climate. Building and Environment.
- [55] Veluvali, P., & Surisetti, J. (2022). Student engagement through project based learning in an online mode amidst the COVID-19 pandemic-an enquiry. Journal of Positive School Psychology, 6(3), 2176-2185.
- [56] Alam, A. (2023, April). Media Multitasking with M-Learning Technology in Real-Time Classroom Learning: Analysing the Dynamics in Formal Educational Settings for the Future of E-Learning in India. In 2023 2nd International Conference on Smart Technologies and Systems for Next Generation Computing (ICSTSN) (pp. 1-6). IEEE.
- [57] Santos, G., Marques, C. S., Justino, E., & Mendes, L. (2020). Understanding social responsibility's influence on service quality and student satisfaction in higher education. Journal of cleaner production.

ISSN: 2229-7359 Vol. 11 No. 17s, 2025

https://www.theaspd.com/ijes.php

- [58] Micallef, M., Keränen, J., & Kokshagina, O. (2024). Understanding the consequences of digital technology use in sales: multilevel tensions inside sales organizations. Journal of Personal Selling & Sales Management, 44(1), 84-99.
- [59] Balzer, W. K. (2020). Lean higher education: Increasing the value and performance of university processes. [60] Utami, P. P., & Vioreza, N. (2021). Teacher Work Productivity in Senior High School. International Journal of Instruction, 14(1), 599-614.
- [61] Amtu, O., Souisa, S. L., Joseph, L. S., & Lumamuly, P. C. (2021). Contribution of leadership, organizational commitment and organizational culture to improve the quality of higher education. International Journal of Innovation, 9(1), 131-157.
- [62] Agustina, E. T., Wahyudin, A. Y., & Pratiwi, A. A. (2021). The students' motivation and academic achievement at tertiary level: A correlational study. vol, 1, 29-38.
- [63] Qureshi, M. A., Khaskheli, A., Qureshi, J. A., Raza, S. A., & Yousufi, S. Q. (2023). Factors affecting students' learning performance through collaborative learning and engagement. Interactive Learning Environments, 31(4), 2371-2391.
- [64] Akpa, V. O., Asikhia, O. U., & Nneji, N. E. (2021). Organizational culture and organizational performance: A review of literature. International Journal of Advances in Engineering and Management, 3(1), 361-372.
- [65] Forson, J. A., Ofosu-Dwamena, E., Opoku, R. A., & Adjavon, S. E. (2021). Employee motivation and job performance: a study of basic school teachers in Ghana. Future Business Journal, 7(1), 30.
- [66] Zhenjing, G., Chupradit, S., Ku, K. Y., Nassani, A. A., & Haffar, M. (2022). Impact of employees' workplace environment on employees' performance: a multi-mediation model. Frontiers in public health, 10, 890400.
- [67] Abagsonema Abane, J., Adamtey, R., & Owusu Ayim, V. (2022). Does organizational culture influence employee productivity at the local level? A test of Denison's culture model in Ghana's local government sector.
- [68] Adams-Manning, A. (2018). Individual and Organizational Culture Predictors of Participation in Training and Development Activities among Student Affairs Professionals.
- [69] Ferrer, J., Ringer, A., Saville, K., Parris, M. A., & Kashi, K. (2022). Students' motivation and engagement in higher education: The importance of attitude to online learning. Higher Education.
- [70] Habel, J., Alavi, S., & Linsenmayer, K. (2021). Variable compensation and salesperson health. Journal of Marketing.
- [71] Hartman, C. L., Barcelona, R. J., Trauntvein, N. E., & Hall, S. L. (2020). Well-being and leisure-time physical activity psychosocial factors predict physical activity among university students. Leisure Studies, 39(1), 156-164
- [72] Griffiths, K., Moore, R., & Brunton, J. (2022). Sport and physical activity habits, behaviours and barriers to participation in university students: an exploration by socio-economic group. Sport.
- [73] Awacorach, J., Jensen, I., Lassen, I., Olanya, D. R., Zakaria, H. L., & Tabo, G. O. (2021). Exploring Transition in Higher Education: Engagement and Challenges in Moving from Teacher-Centered to Student-Centered Learning. Journal of Problem Based Learning in Higher Education, 9(2), 113-130.
- [74] Strelan, P., Osborn, A., & Palmer, E. (2020). The flipped classroom: A meta-analysis of effects on student performance across disciplines and education levels. Educational Research Review.
- [75] Dolores de Juan Vigaray, M., José López García, J., E. Peris, J., Yáñez Muñoz, L., Martínez Mora, C., Cuevas Casaña, J., Adolfo Posadas García, J., & Luisa Vallés Amores, M. (2010). Teaching methods: study and results in several modules of business studies.
- [76] Joubert, L., Ludick, G., & Hattingh, Z. (2014). Student evaluation of different teaching methods and the effectiveness thereof. Interim: Interdisciplinary Journal, 13(2), 24-33.
- [77] Hall, M. M., Worsham, R. E., & Reavis, G. (2021). The effects of offering proactive student-success coaching on community college students' academic performance and persistence. Community College Review, 49(2), 202-237.
- [78] Johnson, C., Gitay, R., Abdel-Salam, A. S. G., BenSaid, A., Ismail, R., Al-Tameemi, R. A. N., & Al Hazaa, K. (2022). Student support in higher education: campus service utilization, impact, and challenges. Heliyon, 8(12).
- [79] Wu, J. (2021). Fundamental Flaws in Academic, Employment and Professional Tests: Test Score Misuses Are Responsible for Ruined Student Health, Social Injustice and Diminished Competitiveness.
- [80] Snijders, I., Wijnia, L., Rikers, R. M., & Loyens, S. M. (2020). Building bridges in higher education: Student-faculty relationship quality, student engagement, and student loyalty. International Journal of Educational Research, 100, 101538.