

A Study on the Relationship between University Education Facilities and Response Methods with Academic Performance

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Abstract: With the progress of society and the development of science and technology, the facilities of university education and the way of college students' coping have changed drastically. The Ministry of Education of China, in order to implement the spirit of the National Education Conference, standardize and strengthen the construction and management of major scientific and technological infrastructures in colleges and universities, and further improve the quality and level of construction, so as to provide college students with a variety of channels for exercising their comprehensive abilities, has formulated the *Measures for the Management of the Construction of National Major Scientific and Technological Infrastructures in Colleges and Universities (Provisional)*. The purpose of this paper is to explore the characteristics of university education facilities and the type of university education response to the relationship between students' academic performance. It is hoped that it can help college students to make good use of these facilities on campus to improve their academic performance and choose suitable coping styles to spend their four years of college life efficiently and well.

Keywords: university educational facilities, university coping styles, academic performance

Introduction

University education, that is, higher education, is extremely important to the development of our society and our country from a macro point of view. As Li Zhengdao said, "University is a paradise for young people to think, innovate and practice." For the society, universities cultivate a large number of talents for every field of the society, thus promoting the innovation and progress of the society. For a country, the competitiveness of a nation is based on the quality and standard of higher education. For individuals, university is a place to gain knowledge and skills, and to grow and mould oneself. In the process of university learning, college students' academic performance and knowledge mastery are affected by the external resources and facilities of the university platform, as well as the internal factors of their own ways of coping with university learning. Therefore, the purpose of this paper is to study the relationship between university education facilities and coping styles and academic performance.

1. Characteristics of university education facilities

The educational facilities of a university are not only the infrastructure such as teaching buildings and laboratories where university students often study, but it also includes non-conventional teaching places such as student flats, libraries, gymnasiums, canteens and so on. Good educational facilities in universities provide students with material protection, comfortable living environment, healthy food, adequate sports equipment and venues, etc. All of which lay a solid

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foundation for students to be able to study energetically. Different universities have different educational facilities which tend to create different cultural atmosphere and heritage of the university^[1]. However, these facilities tend to share the three characteristics of social, humanistic and digital, which will be analyzed in the following for their role in university students' learning.

1.1 Social nature of university educational facilities

College students are just like a small society, students of different grades, different majors and even different genders and nationalities need to communicate and learn from each other. Therefore, university teaching facilities have created many spaces for students to communicate and learn, for example, some schools have created a learning and sharing space for students in the library, which also includes group study rooms, cultural and creative studios, self-service printing areas, multi-functional classrooms, as well as tables, chairs, projectors, computers and other facilities. Students are better able to generate new ideas and creativity through the collision of ideas in this quiet and atmospheric space.

1.2 Humanistic nature of university educational facilities

Humanity also means people-oriented, the design and construction of university education facilities take into full consideration the actual needs of teachers and students, from the perspective of college students' learning, life, entertainment and other realistic needs, improve the library, teaching buildings and other teaching facilities to ensure that they can provide a comfortable learning environment, timely updating and regular maintenance of sports stadiums and recreational plazas to meet the needs of teachers and students for leisure and entertainment. This human-centred concept of educational facilities allows teachers and students to improve their learning efficiency and sense of well-being, which indirectly affects the quality of students' learning and performance.

1.3 Digitization of university education facilities

The report of the 20th Party Congress has clearly stated that the digitization of educational facilities should be promoted to build a learning powerhouse with lifelong learning for all. General Secretary Xi Jinping stressed during the fifth collective study session of the Political Bureau of the Central Committee of China that "the digitization of educational facilities is a breakthrough for China to open up a new track of educational development and shape a new advantage in education." Both the state and the university level attach great importance to the process of digitization of educational facilities. This is also a major feature in the design and construction of contemporary university educational facilities. In particular, the recent rise of a series of strong artificial intelligence such as Chat GPT, sora, and Pangu Big Model has deepened the extent to which the digitization of university education can help students learn. In addition to the process of digitization of educational facilities using a large number of virtual reality technology equipment, these constantly updated virtual reality equipment has a sense of psychological immersion, contextual learning advantages so that students in the simulation of the environment inside the imitation of the experiments or investigations in order to grasp the scientific point of view and a deep understanding of the nature of knowledge.

2. Types of university education response

Coping styles, in a broad sense, are the negative styles such as self-blame, fantasy, retreat, and the positive styles such as problem-solving and help-seeking that people face when they encounter events or in the environment. For contemporary universities, most of them have the phenomenon of "lying flat" more or less. The phenomenon of "lying flat" is a relatively easy and simple way that some college students choose to cope with the uncertainty and anxiety of the future in the face of the complex and difficult environment of today's social competition, employment and so on. The phenomenon of "lying flat" is a relatively easy, simple and less desirous way of coping with the uncertainty and anxiety of the future that some college students have when facing the complex and difficult environment of social competition and employment. Although "lying down" may bring short-term relaxation and comfort, excessive "lying down" may lead to a decline in one's academic performance in the long run, which may have a negative impact on one's future career development. Excessive "lying down" can also lead to a disconnect between the individual and the community, and students lose their connection

and interaction with the community, which is detrimental to their learning and development.

On the contrary, some students are actively facing their university studies in a positive way, knowing that knowledge changes fate and learning shapes the future. In the university campus, whether it is the library in the early morning, or late at night in the study room, you can see their diligent figure. They struggle for their ideals and fight for their dreams, and this desire for knowledge and vision of the future constitute the most moving part of the current learning situation of Chinese college students. In the face of the heavy pressure of coursework and the employment situation, some college students may also feel anxious, confused, and even frustrated. In the process, they may also question their own value and doubt their own ability. This does not mean that college students will go from frustration to "lying down". On the contrary, just as the Qing Dynasty painter Zheng Xie that poem said, "a thousand grinding ten thousand strikes but still strong, let the east and west, north and south winds," which is the growth of young people to sharpen and exercise. In this process, they learn how to face challenges, how to adjust the mindset, how to find power in the pressure. The way in which university students cope with these challenges over the course of four years is invaluable both to their personal growth and to their future contribution to society.

3. The relationship between university educational facilities and coping styles and academic performance

3.1 Relationship between university educational facilities and learning

University educational facilities, whether humanistic, social, or digital, have an impact on student achievement in different^[2]. The impact of the social nature of university educational facilities on academic performance is reflected in the fact that learning and sharing spaces in libraries, training rooms, cultural and creative studios, and other places provide a platform for students to collide ideas, share knowledge, and create innovative ideas. In such an environment, students can more naturally form study groups to discuss academic issues together and deepen their understanding and mastery of knowledge through the collision of ideas.

Whether it is a comfortable learning environment, convenient leisure and recreational facilities, or regular maintenance and updating of sports venues, the school's concern for the actual needs of teachers and students and its humanistic care. This humanistic care not only improves students' learning efficiency and happiness, but also cultivates their independent learning ability and lifelong learning habit. When students learn in an environment full of humanistic care, it is easier for them to form positive learning attitudes and emotions and thus stimulating learning motivation.

With the booming development of technology and the country's strategic positioning, digital education facilities have become an important part of university education. Digital facilities such as digital libraries, online courses, and virtual reality laboratories provide students with more convenient and efficient ways of learning^[3]. Especially with the support of strong artificial intelligence and virtual reality technology, students can perform experimental operations and simulation experiments in a simulated environment, thus understanding the knowledge points more deeply and improving the learning effect.

3.2 The relationship between college coping styles and academic performance

"Lying down" is a relatively easy and simple way for contemporary college students to cope with the complex environment of social competition and employment pressure. In the short term, it may bring students a sense of temporary relief, as if they have found a haven from the heavy academic and employment pressure. However, in the long run, excessive "lying down" may not only lead to a decline in academic performance, but may also have a negative impact on the future career development of students. In stark contrast, those students who choose to take an active role in their studies are also in the midst of a period of high employment pressure and high unemployment. They are also in this era of employment pressure and slow economic development, but they know that knowledge changes fate and learning shapes the future. So whether it is the library in the morning, or late at night in the study room, their figure has become the most moving scenery in the university campus. This desire for knowledge and vision of the future is the key to their outstanding

academic performance.

4. Reach a verdict

This paper explores the relationship between university facilities and university responses to academic performance. The humanistic, social and digital features of university facilities motivate students to learn and improve their efficiency in three different ways: internally, technologically and communicatively. The university's response is to promote students' learning through positive learning, while at the same time, it is also to reduce students' learning ability and interest in learning through negative responses, thus causing a significant decline in academic performance.

Conflicts of interest

The author declares no conflicts of interest regarding the publication of this paper.

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