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EXPLORATION ON INNOVATIVE EDUCATION OF BUSINESS ADMINISTRATION SPECIALTY UNDER THE BACKGROUND OF COGNITIVE IMPAIRMENT

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Background: Cognition refers to the process in which the human brain processes information intelligently to obtain corresponding theoretical knowledge or applied knowledge when receiving various external information. In the whole process of cognition, it will involve learning, memory, emotion, language, execution, thinking, understanding and other complex social behaviors and activities. When the human cerebral cortex is damaged due to various factors, the brain's intelligent processing process will be affected and limited to some extent, resulting in abnormal or damaged cognitive function, and finally leading to cognitive impairment. Cognitive impairment mainly includes three types: perceptual impairment, memory impairment and thinking impairment. The causes are significantly diverse. In addition to organic diseases, mental disorders such as neurasthenia, obsessive-compulsive disorder, mental classification, bipolar disorder, paranoid or reactive psychosis will lead to cognitive impairment. The main manifestations of patients with cognitive impairment are learning and memory impairment, aphasia, agnosia, loss of use, dementia and so on. It not only has a huge negative impact on their normal learning and life, but also a heavy burden on others and society. Under the background of "Internet plus", business management has been well developed. As a discipline with strong practice and wide application, business management specialty occupies an important position in higher education. With the proposal of the concept of "mass entrepreneurship and innovation", China has also accelerated the strategic deployment of innovation and entrepreneurship education. However, at present, the smooth development of innovation education of business administration specialty is restricted and hindered by some factors, mainly including four influencing factors: the lack of soundness of innovation and entrepreneurship system, weak teachers, urgent improvement of curriculum system and too single teaching mode. Under the background of cognitive impairment and the perspective of psychology, analyzing students' psychological characteristics and organically combining business administration with innovation education can effectively alleviate students' cognitive impairment and maximally eliminate the negative impact of cognitive impairment on innovation education of business administration.

Objective: In order to comply with the trend of teaching reform, the current teaching management system of industrial and commercial enterprise management has carried out the optimization of diversified education modes, and continuously improved and improved the innovative education system, in order to determine the scientific direction of talent training. Based on the background of cognitive impairment and the perspective of psychology, the research will explore the innovative education model of business administration, in order to alleviate the symptoms of students' cognitive impairment and ensure the teaching effect of innovative education of business administration.

Research objects and methods: This study will take 172 students with cognitive impairment majoring in business administration as the research object, carry out innovative education of business administration major, collect corresponding education effect data before and after education intervention for comparative analysis, and explore the improvement of students under the background of cognitive impairment under the innovative education of business administration major.

Research design: 172 students with cognitive impairment were given innovative education in business administration, mainly in four different ways. One is to actively carry out various forms of innovation and entrepreneurship competition, which is designated as A. Second, to build a high-level teacher team and enhance the reserve of teachers, this method is B. The third is to change the teaching mode and method, which is set as C. The fourth is to strengthen the cooperation between schools and enterprises, which is set as D.

Methods: After the intervention, the students' satisfaction with the implementation of innovative education in business administration was analyzed, and the choice of five dimensions was set, including extremely dissatisfied, dissatisfied, general, satisfied and extremely satisfied. All the data obtained are SPSS23.0 and Excel software for analysis.

Results: According to Table 1, after the implementation of innovative education in business administration, 172 students with cognitive impairment had good evaluation results on the satisfaction of different innovative education implementation paths. Very few students were extremely dissatisfied and dissatisfied, and most students focused on general, satisfied and extremely satisfied. Comparing the

number of people satisfied with the four education methods, we can see that mode a and mode C have the highest satisfaction, as shown in Table 1.

Table 1. Satisfaction of students with cognitive impairment majoring in business administration with the implementation path of innovation education

| | Extremely dissatisfied | Dissatisfied | Commonly | Satisfied | Extremely satisfied |
|---|------------------------|--------------|----------|-----------|---------------------|
| A | 0 | 4 | 9 | 94 | 65 |
| B | 0 | 17 | 48 | 64 | 43 |
| C | 0 | 2 | 11 | 102 | 57 |
| D | 2 | 13 | 75 | 51 | 31 |

Conclusions: Under the background of cognitive impairment, the most effective way to explore the path of innovative education of business administration major is to actively carry out various forms of innovative and entrepreneurial competition activities and change teaching modes and methods. These two methods can effectively alleviate the symptoms of students' cognitive impairment and ensure that students can achieve better learning results in innovative education of business administration major, realize their all-round personal development.

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INTERMODULATION INTERFERENCE OF VHF WIRELESS COMMUNICATION SYSTEM UNDER COGNITIVE IMPAIRMENT

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Background: With the rapid development of China's civil aviation industry, people's mode of transportation has become more convenient and faster, making people's daily travel and long-distance tourism more and more convenient. However, with the planning, construction and operation of a large number of airports, the difficulty of aviation safety management is increasing, and aviation safety has been affected to a certain extent. The main reason for this phenomenon is the application of communication equipment and its system. Communication equipment has an important impact on the long-term development of aviation industry. If the communication equipment fails or operates abnormally, it will cause great harm to the flight safety of aircraft. In aviation control, it is necessary to strictly supervise the high-frequency ground to air communication to ensure the normal operation of the communication system. In recent years, wireless communication technology has been continuously applied and popularized, and has become one of the mainstream communication technologies. Under this background, various wireless communication signals are increasing day by day, which has caused varying degrees of interference to VHF ground to air communication in civil aviation communication system, seriously threatening the flight safety of aircraft and the safety and stability of VHF Wireless communication system, it is an urgent problem to be solved at present. Eliminating the signal interference of VHF Wireless communication system can effectively ensure the flight safety of civil aircraft on the other hand. Based on this, effective measures must be taken for VHF Wireless communication system to solve the problem of communication interference, so as to ensure the flight safety of aircraft, promote the further development of China's civil aviation and improve the construction level of China's transportation. Cognitive impairment is a disease with impaired high-level neurological response in the cerebral cortex. Any factor that may lead to chronic damage to the structure or function of the cerebral cortex can lead to individual cognitive impairment. In the high-voltage working environment of intermodulation interference of VHF Wireless communication system, or when social status and economic living conditions are negatively affected, wireless communication personnel are prone to certain negative psychological emotions, resulting in cognitive impairment. From the perspective of cognitive impairment, this paper analyzes the cognitive impairment and working state of wireless communication personnel based on the theory of cognitive psychology, and on this basis, explores the influence of intermodulation interference of VHF Wireless communication system, and puts forward effective measures to alleviate the cognitive impairment of wireless communication personnel, so as to improve the reliability of VHF communication system.

Objective: The normal operation of communication system determines aviation safety, so communication plays a vital role in the development of aviation industry. Once the communication