

Study on the Problems and Measures of Student Safety Management in Vocational Colleges under the Background of Digital Transformation

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ABSTRACT

Ensuring student safety stands as a paramount concern in the administration of vocational colleges, forming an essential prerequisite for the seamless progression of diverse school activities. Against the backdrop of digital transformation, it becomes imperative for educational institutions to address prevailing challenges in student safety management and fortify the infrastructure supporting it. Proactive utilization of digital technology is essential in establishing an intelligent management model, delineating the primary factors jeopardizing student safety, fostering a secure learning and living environment. Additionally, the establishment of a scientific and efficient student safety management mechanism, leveraging big data technology, is crucial. This involves the introduction of big data management techniques, the formation of an informatized management team, clarification of responsible entities for student safety management, heightened promotion of student safety awareness, and the comprehensive assurance of student safety.

KEYWORDS

Digital transformation; Vocational colleges; Safety management; Challenges; Strategies

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1 Introduction

In recent years, student safety incidents have become increasingly common in colleges and universities. In order to rectify this situation and ensure the physical, psychological and life safety of students, there is an urgent need to actively explore more effective student safety management models in the context of the digital transformation era. The adoption of advanced digital technologies and methodologies is key to the improvement of student safety management efficiency. The goal is to implement robust student safety alerts to create a healthy, safe and harmonious learning and living environment for students. This comprehensive approach aims to eliminate all types of safety hazards, prevent potential safety incidents, maximise students' personal safety and promote their healthy development.

2 Lack of Clarity in Responsibility and Authority in Student Safety Management

(1) Unclear responsibility and authority of student safety management entities

Many educational institutions emphasise the transformation of educational information

technology with a focus on teaching and research, leading to a neglect of the importance of security management. Although institutions have established various management systems related to security inspections, security campaigns and security management, many of these systems are not effectively implemented. In addition, many schools have unscientific organisations of safety management departments, making it difficult to issue timely and accurate warnings about student safety issues. When safety incidents occur, it is difficult for these departments to define the responsibilities and authority of each function. The traditional student safety management system mainly consists of functional departments such as security, league committee and fire department. The independent and disjointed way in which each operates hinders effective coordination and cooperation, especially as the primary responsibility for managing student safety lies with the security staff. The lack of communication and cooperation between departments increases the difficulty of handling security incidents, making it difficult to mobilise the collective efforts of all departments and establish an effective and comprehensive prevention mechanism.

(2) Weak student safety awareness

Most of contemporary university students in China, especially only children, lack the ability to live independently under their parents' favour. They have little awareness of social experience, self-protection and safety prevention. At the same time, their enthusiasm for exploring new experiences increases the likelihood of safety accidents. Many students were reluctant to actively participate in departmental meetings and lectures on safety topics and showed low motivation for such educational activities. In addition, widespread complacency led students to believe that the likelihood of a safety incident was low. A lack of knowledge about safety and security and a weak sense of self-protection prevent students from responding correctly, scientifically and effectively when faced with problems. The advent of the information age has brought convenience to students, but it has also increased the risk of exposing personal information. Unscrupulous individuals take advantage of deceptive tactics such as offering gifts and promotions to steal students' personal information and belongings, significantly elevating the safety risks and posing a substantial threat to students's economic losses and overall well-being.

(3) Low level of informationization in safety management

The widespread use of digital technology in student management in vocational colleges enables organisations to identify safety hazards through data analysis, leading to timely safety alerts. Digital technologies can facilitate collaborative inspections and safety monitoring across departments, enabling a streamlined approach to student safety management. However, there is still a lack of focus and underinvestment in digital management in some schools, hindering the integration of advanced digital devices into student safety management. The narrow scope of emerging technologies and lack of digital management hinders a comprehensive understanding of the various security issues within schools. Access control systems, surveillance systems, identification systems and other digital systems are not established at the same time, which poses a challenge to building an integrated campus security management system with effective data support. In addition, the low level of information technology for security management in some schools has led to the under-utilisation of many digital technologies. The limited use of digital technologies to address safety issues has also led to a lag in student safety management.

3 Effective Measures for Student Safety Management in Vocational Colleges Amidst Digital Transformation

(1) Improving digital safety management systems

Using digital technology, administrators can effectively integrate a variety of data to comprehensively design world-class student safety management. Digital technologies include the integration of school safety management systems, safety alert systems and safe behaviour systems. To further improve data efficiency and expand the use of digital technologies, administrators should refine safety management policies. Recognising the current state of development of school safety management is essential to ensure that the management model established fully meets the educational development needs of the school. Teachers should actively participate in student safety management, take advantage of digital technology to promote harmonious teacher-student relationships, and strengthen pedagogical management and planning to improve the comprehensiveness and effectiveness of student safety management. In addition, administrators should explore the construction of a safety management matrix, establish an authoritative safety management structure, build a comprehensive data and information database, and effectively manage students' learning and life. A punishment system should be strictly enforced to regulate student behaviour, enhance students' sense of self-management, improve the overall awareness of safety management policies, and help students develop good learning and living habits.

(2) Elevating digital prevention and control thinking among managers

Managers need to have a mindset focused on digital security prevention and control. Scientific thinking is the precursor of practice, and managers with a scientific management philosophy can actively explore the effective application of digital technology in security management. This change of mindset is crucial for digital technology to play a positive role in student safety management, and to completely change the traditional safety management working mode to adapt to the trend of information technology in education. Digital thinking is a kind of innovative thinking that guides people to carry out innovative development and ensures the full application of various advanced information technologies in management work. In student safety management, managers who adopt the digital thinking mode can reverse the traditional prevention-oriented thinking, actively use big data thinking in the actual safety management work, efficiently collect and organise student safety data, dig out the information hidden behind the data, make effective suggestions supported by the data, integrate the safety management data of various departments in the school, and promote the continuous innovation of school safety management. This approach enables active prevention and early warning of various potential safety hazards.

(3) Introducing more digital management equipment

To promote the digital transformation of student safety management, schools need to introduce more modern information technology and equipment to build a digital student safety management platform. Currently, many vocational institutions have established safety management platforms to publish safety management tasks and promote various safety management initiatives. However, there is still room for improvement in the maturity and integrity of the platform. Schools need to strengthen the maintenance of campus safety management platforms to achieve unified management of student safety information. Some schools with a strong awareness of platform management and maintenance have implemented security measures such as firewalls, which contribute to some extent to platform maintenance, although with limitations. On this basis, schools should use big data technology to

unify the management and processing of various student safety information. Through measures such as recruiting IT professionals and increasing financial investment, schools can further optimise the construction of student safety management platforms by optimising and revamping their existing safety management systems, so as to realise the sharing of information resources among departments and improve the efficiency of student safety management.

4 Conclusion

In the era of digital transformation, the implementation of student safety management in vocational colleges necessitates a proactive shift in management philosophies. It requires the adoption of a mindset focused on digital prevention and control, incorporating various advanced digital technologies and devices into safety management practices. This approach aims to optimize management models, enhance efficiency, and act as a guardian for the health and safety of students. Embracing the opportunities presented by digitalization, vocational colleges can create a safer and healthier environment for their students by leveraging cutting-edge technologies and fostering a culture of continuous improvement in safety management practices.

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