

Research on the Constraints and Optimization Path of Student Safety Management in Undergraduate Colleges and Universities in Sichuan Province

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ABSTRACT

Strengthening the safety management of universities and creating a safe campus are necessary guarantees for promoting high-quality development of universities. They also have a positive role in ensuring students' personal safety and maintaining campus harmony and stability. Taking undergraduate colleges in Sichuan Province as an example, this article analyzes the constraints faced by undergraduate colleges in implementing regulations and systems, building safety culture, empowering information technology, and promoting multi-party cooperation in carrying out safety management. Specific policy recommendations are proposed around four optimization paths: strengthening the implementation of regulations and systems, deepening safety culture construction, enhancing information technology integration, and promoting social environment cooperation.

KEYWORDS

Security Management; Campus Safety; Safety Education.

1. INTRODUCTION

Safety is the bottom line requirement for the development of education and the growth and development of students. It is a major task that must be fully grasped and has no way out^[1]. The national level attaches great importance to student safety management. According to the public catalog of the Ministry of Education, since 1986, China has issued and implemented as many as 848 policy documents related to campus safety (Figure 1). In recent years, safety incidents such as laboratory explosions at a university in Beijing, food poisoning at a high school in Fengqiu, Henan, and multiple student suicides have attracted widespread attention from society. According to incomplete statistics, the average annual frequency of campus safety incidents in the past five years has reached around 100^[2]. The increasingly complex security environment poses severe challenges to the safety management of universities, and also puts forward higher requirements for the concept and methods of university safety work^[3]. In this context, strengthening relevant research can provide decision-making basis and policy recommendations for campus safety management, which is conducive to promoting the healthy development of school safety work. Based on this, taking undergraduate colleges in Sichuan Province as an example, it is of great significance to explore the constraints and optimization paths of safety management in universities, in order to promote the improvement of the quality of safety management in universities in Sichuan Province and further promote the high-quality development of education.

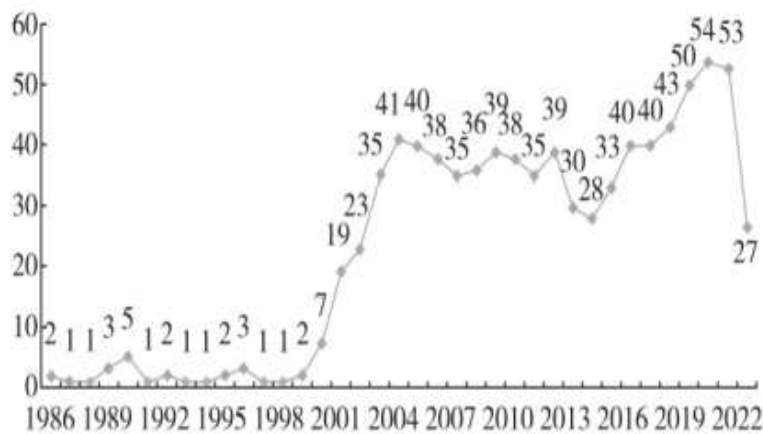


Figure 1. Release of Campus Safety Policy Documents

2. THE IMPORTANCE OF STUDENT SAFETY MANAGEMENT IN UNDERGRADUATE INSTITUTIONS IN SICHUAN PROVINCE

2.1. It is an Important Cornerstone for Ensuring the Personal Safety of Students

Safety management is an important component of school education management, and the quality of school safety management directly affects students' life safety and physical and mental health. On the one hand, carrying out safety management work in schools is beneficial for preventing potential risks and eliminating threats to students' mental health caused by the continuous fermentation and spread of safety incidents; It is also beneficial for preventing problems before they occur, eliminating safety hazards such as campus bullying, campus loans, infectious diseases, and food poisoning from the cradle, thereby ensuring the personal safety of students. On the other hand, when schools carry out safety management work, they will inevitably promote and educate students on safety knowledge and skills through cases, simulation exercises, and other methods. This will help improve students' awareness and skills in preventing bullying, fraud, drowning, fire, and other safety precautions, reduce the probability of safety incidents, and enhance students' self-protection abilities.

2.2. It is a Solid Pillar for Maintaining Campus Stability and Harmony

Student safety management has built a solid defense line for campus safety. By carrying out campus patrols, access control management, and security hazard inspections, schools can promptly identify and eliminate potential security threats, ensuring that students' lives and studies on campus are protected from external negative factors. In the event of an emergency, schools can quickly activate emergency plans, organize teachers and students to respond in an orderly manner, minimize losses and injuries^[4], and avoid long-term adverse effects on the campus. At the same time, schools carry out activities such as mental health education and psychological counseling to help students solve psychological problems and relieve learning pressure. This not only enhances students' confidence and sense of belonging, but also promotes communication and interaction between teachers and students, enhances mutual understanding and trust, and lays a solid foundation for building a harmonious campus culture.

2.3. It is the Core Driving Force for Promoting the Improvement of Education Quality

The quality of education is one of the key indicators for measuring the comprehensive strength and competitiveness of schools. Implementing a series of safety management measures to create a safe

and stable campus environment is an important support for ensuring the smooth implementation of school teaching activities and improving the quality of school education. On the one hand, a good campus environment can promote teachers and students to face challenges in learning and work more calmly. This positive psychological state is not only conducive to stimulating students' learning enthusiasm and creativity, but also to enhancing teachers' teaching enthusiasm and sense of responsibility. In this safe and harmonious atmosphere, both teachers and students can form a good situation of mutual learning and teaching, which can effectively promote the continuous improvement of educational quality^[5]. On the other hand, student safety management can promote the rational allocation and efficient utilization of educational resources, reduce the safety hazards caused by insufficient student safety awareness in the sharing of educational resources among universities, and thus block the occurrence of the flow and sharing of educational resources, ultimately achieving the vision of promoting the overall improvement of educational quality among universities.

3. THE RESTRICTIVE FACTORS OF STUDENT SAFETY MANAGEMENT IN UNDERGRADUATE COLLEGES AND UNIVERSITIES IN SICHUAN PROVINCE

3.1. The Bottleneck of Legal Constraints on Campus Safety: Weak Enforcement of Regulations and Policies

Although a series of safety management regulations and policies such as the "Sichuan Province School Safety Management Measures" have been promulgated and implemented, there are still "gray areas" in the implementation process due to some clauses being too general and lacking specific implementation rules and guidance. And in the actual operation process, some universities have deviations in their understanding and implementation of these laws and regulations, failing to integrate the spirit and essence of laws and regulations into daily safety management work. At the same time, the ability and quality of the executing personnel are also important factors that constrain the implementation of laws and policies. The security management departments of some universities have deficiencies in personnel allocation, professional training, and resource investment, resulting in frequent occurrences of ineffective law enforcement. For behaviors that violate laws and regulations, the regulatory mechanism for safety management is not yet sound, with blind spots and loopholes in supervision, inadequate accountability, and failure to form an effective deterrent effect. This phenomenon of "not following the law, not enforcing it strictly, and not holding those who violate the law accountable" seriously weakens the authority and enforcement of laws and regulations^[6].

3.2. Hidden Obstacle to the Popularization of Safety Awareness: Lagging Construction of Campus Safety Culture

Due to various factors, the construction of safety culture in undergraduate colleges in Sichuan Province lags far behind the development speed of undergraduate colleges. Although various universities are constantly issuing and improving various safety management regulations, and strengthening the education of safety awareness among teachers, students, and safety management personnel through printing various safety manuals, holding safety management alert meetings, student safety education themed class meetings, and other forms. However, due to insufficient systematicity, the subjectivity and initiative of teachers and students' participation are not strong, resulting in a relatively indifferent safety awareness among teachers and students. The safety concept of "safety first, life first" has not yet been formed, and the safety awareness of "safety accidents, prevention in advance" is not strong. On the contrary, some teachers and students view safety regulations as a burden, and safety management personnel believe that safety inspections have nothing to do with me. They only aim to pass safety education, turn a blind eye to safety hazards, and

fail to implement safety management systems effectively. These are important factors that hinder the improvement of school safety management quality.

3.3. The Bottleneck to Improving the Efficiency of Security Systems: Weak Empowerment of Information Security Technology

With the rapid development of technology, new security technologies continue to emerge, and cutting-edge technologies such as artificial intelligence, big data analysis, and cloud computing are increasingly being applied in the field of security. The importance of campus safety in various universities is also increasing, but they generally face the dilemma of insufficient funding leading to the lagging construction of "smart security". The introduction of information technology has also raised higher technical requirements for security management personnel. However, undergraduate colleges in Sichuan Province generally lack continuous and systematic information technology training for security management personnel, resulting in difficulties in quickly and effectively integrating information technology into the existing security system. The trend of technology empowering security management efficiency is weak, and the use of traditional manual security methods is difficult to improve the quality of school security management. In addition, there are generally data barriers between different departments and systems within the campus, making it difficult to achieve cross departmental and cross system sharing and linkage of security information. The existence of information silos not only reduces the efficiency of security work, but also increases the difficulty of identifying security risks, making it difficult to effectively handle security incidents that could have been warned and responded to quickly through technological means.

3.4. The Rupture of Safety Cooperation Inside and Outside the Campus: The Lack of Social Environment Connection and Interaction

Campus safety management cannot be separated from the collaborative participation of "family, school, and community". However, currently, undergraduate colleges in Sichuan Province face the constraint of a broken chain of multi-party collaboration in carrying out student safety management work. The main manifestation is: firstly, the weak synergy between functional departments. Although education, public security, emergency response and other relevant departments have corresponding lists of responsibilities, some functional departments have inadequate responsibilities for safety supervision, resulting in varying degrees of deficiencies in public security, hygiene and other aspects in undergraduate colleges. Students' emergency evacuation professional knowledge, psychological quality and self rescue ability are generally low, and their ability to prevent fraud, bullying, deception and other human safety incidents is generally low. Secondly, the current situation of parents' participation in student safety management is not optimistic. The main reason for this is that the mechanism for parents to participate in student safety management in universities is not yet perfect, and parents of students have little or no knowledge about the ways, methods, requirements, and work content of participation. This greatly hinders the enthusiasm of parents to participate.

4. OPTIMIZATION PATH FOR STUDENT SAFETY MANAGEMENT IN UNDERGRADUATE COLLEGES AND UNIVERSITIES IN SICHUAN PROVINCE

4.1. Strengthen the Implementation of Laws and Regulations, Break through the Bottleneck of Legal Enforcement Constraints

Sound legal and regulatory constraints are the prerequisite guarantee for improving the quality of school safety management. Firstly, Sichuan Province should actively respond to the requirements of national education laws and regulations, combine with the actual situation of universities in the

province, improve the legislative system, clarify the main body and scope of safety management responsibilities, establish and improve the safety management responsibility system and accountability mechanism, ensure that all safety management measures have clear responsible persons, and avoid the phenomenon of shirking responsibility caused by vague responsibilities^[7]. Secondly, campus safety management agencies should be established or strengthened, equipped with professional law enforcement teams, to improve law enforcement efficiency and level. Intensify the investigation of safety hazards and strictly handle any illegal or irregular behavior discovered in accordance with the law and regulations. By publicly exposing typical cases, a strong deterrent effect is formed, allowing all teachers and students to fully recognize the importance of complying with safety management laws and regulations, and consciously maintain campus safety and order. Finally, it is necessary to pay attention to legal education and publicity, and enhance students' understanding and recognition of laws and regulations through various forms such as case teaching and simulation exercises, to improve their legal awareness and self-protection ability.

4.2. Deepen the Construction of Safety Culture and Eliminate Barriers to the Popularization of Safety Awareness

The construction of campus safety culture is the top priority of university safety management and the highest domain of school safety management work^[8]. The construction of safety culture permeates teaching, life, and various campus activities. It is not only a practical need to enhance students' awareness of safety precautions and create a safe and civilized campus, but also an important guarantee for promoting the harmonious and stable development of the school. The deepening of safety culture construction in undergraduate colleges and universities in Sichuan Province focuses on education and guidance. With the advantage of abundant propaganda platforms such as bulletin boards, radio stations, and school newspapers and magazines in undergraduate colleges and universities in Sichuan Province, safety laws and regulations, safety knowledge and skills, and other safety information are widely published, safety slogans and posters are posted, and safety warning signs are set up. By carefully creating a safety culture environment, students are influenced unconsciously. The second is valuable in providing guidance on methods. Through the use of relevant cases such as the "Mulberry Jujube Miracle" in the Wenchuan earthquake, safety values education will be carried out, and regular emergency evacuation drills will be organized to enable students to master necessary safety skills to resist the threats of natural disasters and other safety incidents in Sichuan.

4.3. Strengthen the Integration of Information Technology and Break through the Inefficient Constraints of Traditional Security Measures

Empowering information technology is an important means to improve the efficiency of school safety management. Undergraduate institutions in Sichuan Province should actively introduce intelligent security technology and build a comprehensive and intelligent campus security prevention and control system through modern technologies such as facial recognition, behavior analysis, and big data analysis^[9]. Deploy intelligent monitoring equipment in key areas to achieve 24-hour uninterrupted monitoring and early warning. Strictly control the identity of personnel entering and leaving the campus to prevent dangerous entry into the campus. And utilizing big data analysis technology to deeply mine campus security data, identify potential security risk points, and provide scientific basis for formulating targeted security management measures^[10]. At the same time, a sound security system maintenance and upgrade mechanism should be established to ensure that the system is always in the best working condition. Regularly inspect and maintain security equipment, promptly identify and eliminate potential faults and hazards. In addition, universities should introduce security management technology professionals, strengthen the training and management of technical personnel, and provide solid guarantees for the stable operation of security systems.

4.4. Promote Social and Environmental Cooperation, Repair the Safety Gap Inside and Outside the Campus

Student safety management is a systematic project that requires joint efforts from families, schools, and society. On the one hand, a diversified collaboration mechanism of "family school community" should be established. Parents are the first responsible persons for student safety and an important force in campus safety management. The education supervisory department of Sichuan Province should issue relevant documents, clearly requiring undergraduate colleges to strengthen the importance of safety education parent meetings, and encouraging parents to actively participate in campus safety management by joining the parent volunteer team to assist in safety inspections and other means. On the other hand, the education authorities in Sichuan Province should play a role as a link to build a bridge for campus safety collaborative education between undergraduate colleges and local fire departments in Sichuan Province. Encourage local fire departments to regularly organize professional personnel to conduct classified command and evacuation drills for natural disasters, social security incidents, and other categories at undergraduate colleges, in order to help students master emergency evacuation procedures and methods for various safety incidents and improve their self rescue abilities. And strengthen the public security department's promotion of knowledge and skills related to drug and fraud prevention among undergraduate students.

5. CONCLUSION

Ensuring student safety is an important part of promoting high-quality education development, and the importance of efficient student safety management cannot be ignored in ensuring student safety. Research has found that undergraduate institutions in Sichuan Province currently face practical constraints in carrying out student safety management work, including weak enforcement of laws and policies, lagging construction of campus safety culture, weak empowerment of information security technology, and lack of social environment connection and interaction. In response to the above constraints, it is proposed to strengthen the implementation of regulatory systems and break through the bottleneck of legal enforcement constraints; Deepen the construction of safety culture and eliminate barriers to the popularization of safety awareness; Strengthen the integration of information technology and break through the inefficient constraints of traditional security measures; Four optimization paths to promote social and environmental cooperation and repair safety gaps inside and outside the campus.

REFERENCES

- [1] Fang Donghong, Wang Yu, Li Zhaoyang. Reflections and explorations on laboratory safety work in universities from the perspective of education [J]. *Experimental Technology and Management*, 2020, 37 (1): 10-12, 35.
- [2] Gaoshan. Report on the Development of Emergency Education and Campus Safety in China [M]. Beijing: China Social Sciences Press, 2021:9-11.
- [3] Paci-Green R, Varchetta A, Mcfarlane K, et al. Comprehensive school safety policy: A global baseline survey [J/OL]. *International Journal of Disaster Risk Reduction*, 2020. 44(4). <https://doi.org/10.1016/j.ijdr.2019.101399>.
- [4] Hu Yiqiu. Research on the Practice of Safety Management in Higher Education Institutions from the Perspective of Creating a Safe Campus: A Case Study of Jiangsu Urban Vocational College. *Public Relations World*, 2024 (13): 64-66.
- [5] Zhu Hongqing. Research on Risk based Campus Safety Management Model - Review of "Risk Analysis of Campus Safety Incidents" [J]. *Chinese Journal of Safety Science*, 2020, 30 (03): 189-190.
- [6] Lu Hong, Qiang Yuan. Research on School Safety in China in the Past 20 Years: Hotspots, Evolution, and Prospects - Knowledge Graph Analysis Based on CiteSpace [J]. *Education Theory and Practice*, 2023, 43 (01): 22-27.
- [7] Wu Zhuwu, Bai Xiangyu, Wang Bingjie, et al. Exploration and Practice of Strengthening the Capacity Building of University Laboratory Safety Governance in the New Era [J]. *Experimental Technology and Management*, 2022, 39 (12): 211-216.

- [8] Peng Huasong, Xie Yaping, Liu Chuang, et al. Exploration of Laboratory Safety Management Based on Safety Culture Construction [J]. *Laboratory Research and Exploration*, 2018, 37 (9): 335-338+342.
- [9] Liu Jiahao, Zeng Haijun, Jin Wanying, et al. Empowering Higher Education with Artificial Intelligence: Logical Path, Typical Scenarios, and Practical Approaches. *Journal of Xi'an Jiaotong University (Social Sciences Edition)*, 2024, 44 (03): 11-20.
- [10] Wang Jingjing. Risk Management of Campus Safety in Higher Education Institutions: Situation, Mechanism, and Approach [J]. *Jiangsu Higher Education*, 2023 (12): 64-68.