Construction of Early Warning Mechanism of University Emergencies
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Abstract. In recent years, emergency event have occurred in colleges and universities now and then. It not only poses a threat to normal teaching, management and the life of teachers and students, but also keeps the image and reputation of colleges and universities suffered serious damage. As the main research of early warning emergency mechanism, this paper preliminarily explored and researched colleges and university emergency features, classification and incentives. It was also reviewed early warning mechanism in the process of crisis monitoring, making plans, crisis response and publicity education. Based on these, this paper established early warning mechanism for university emergency, to discuss establishment and improvement the emergency warning system in colleges and universities.

Introduction
The threat to emergencies in school is a major problem for the school system. Living in a unsafe natural and social environment is a crucial test of facing different risks to withstand those unexpected incidents. There are experiences of successes and failures in dealing different incidents. Particularly, after fighting with SARS in 2003, 4 girls falling from sixth floor when the dormitory fired in the Shanghai Business College in 2008, an alarm system is desperately needed in our school. Therefore, how to cope with the school incidents efficiently, improve the protection methods and enhance the early warning capabilities are highest priorities to build an alarm system of institutionalization, personalization and science.

Introduction to the Early Warning Mechanism of University Emergencies Event
Concept of University Emergencies Event
University emergencies event refer to the sudden events causing with the subject of students or caused by students naturally, artificially or social politically, which have some influence over the physical and mental health of students and teaching working and living orders, even damaging the public assets and reputation [1].
Generally, features of those emergencies event include four parts: abruptness, destruction, diffusion and agent activity. Emergencies event will abrupt suddenly under the situation of having no alertness. It is unpredictable to see when and where to happen with which kind of scale and form, which will create the damage. Thus, once it happens, it is hard to deal with it on time. The more decisively and faster we can handle the emergency; the less damage it will cause.

Concepts and Features of the Early Warning Mechanism for University Emergencies Event
Through analyzing on the current nation and society operating conditions, early warning mechanism for university crisis conducts system evaluation towards unstable factors within campus, and carries out forecast and warning towards various potential threat and dangers. It will also formulate relatively strong pertinence measures via analyzing and making judgment on the comprehensive functions of various effective factors and their systematical operating conditions. As one complete warning system, the early warning system of university emergencies event contains
The Classification and Incentives of University Emergencies Event

The emergencies event in universities can be divided into different types with the difference of its nature and induced factors. Throughout the college emergent events occurred these years, we can try to divide them into three categories: Sudden and Group Incidents [3], Public Health Events and Natural Disasters and Unexpected Safety Accidents.

Complex reasons of these emergencies are all kinds of social instability epitomized in universities. And the incentives are as follows: political turmoil at home and abroad, confusion of college students in thought and behavior, misconduct of university management decisions, teacher-student relationship alienation and network penetration accelerates the spread of irrational information. Analyzing from aspects mentioned above, it is prerequisite to understand its causes for handling the college emergencies correctly.

Analysis the Function of the Early Warning Mechanism

Crisis Monitoring

The most brilliant and idealist emergency management of universities does not lie in the disposal after the formation and outbreak of the emergencies, but in resolving them before they come into being, that is, nipple in the bud that people often say. In crisis monitoring phase, information should be collected comprehensively, the factors that affect the security and stability of the school should be carefully investigated and analyzed, and precursory clues of the emergencies should be mastered.

First of all, crisis monitoring lies in clearing the object to be monitored and warned. Specifically, crisis monitoring is to clear the roots causing campus emergencies, and important matters or special people that may be involved. These students usually have high risks of psychological problems, to which suspension of schooling or dropping out and even suicide occurring commonly on campus are related.

Secondly, crisis monitoring lies in playing the role of student groups and forming resultant force of warning. Formal organizations refer to the official groups of college students established in accordance with the administrative measures, such as student union, graduate student union, and so on. These organizations have high status in the minds of students, thus having much requirement to be constructed in student emergency warning.

Furthermore, crisis monitoring lies in playing the role of student parents and guiding students with family love. Schools should actively establish effective contact with parents who are important "interested party". On the one hand, schools should help parents and students to objectively understand the school-running system, thus avoiding bringing some hidden troubles to the outbreak of emergencies. On the other hand, schools should strengthen daily communication with parents so that they can timely know students' performance, actively pay attention to the students' growth, and give psychological help and warmth when students face various pressures.

Schools should obtain information through various forms and channels, especially distinguish and classify the information from school information network. It should make prediction analysis on the type and harm degree of all the emergencies that may pose a threat to the security and stability of the school, make crisis plans, and raise the alarm when necessary.[4]

Crisis Response

The key point of crisis response is the decision-making and preventive measures based on forecasting information analysis and risk assessment, including the problem defining, goal setting, program selection, personnel division, performance evaluation, etc. Problem defining is to define
information that has been evaluated to determine whether the essence of problem is “normal”. Goal setting is to make sure the specific goals and final goals that will be achieved by problem solving. Program selection is to select the appropriate program according to the goals, and then conduct division of labor, implement responsibility system, and evaluate the measures that are about to be adopted to find out whether it is the best program to solve the problem with lowest cost and shortest time. However, in the warning stage, relevant government organizations will determine the level of warning to send out the warning alert. According to actual situations of schools, especially of colleges, the rapid reaction mechanism could be divided into general emergency mechanism and emergency response mechanism. When small-scale group events, flexible individual events, small-scale fire, and slight natural disasters occurs, the general emergency mechanism could be activated; when large-scale illegal gatherings or meals strike and classes strike events, serious security incidents that personnel voided, major infectious diseases, and destructive earthquakes happened, the emergency response mechanism should be started. [5]

Our country is now lacking the level setting of crisis alert, while some western countries have provided us with good models. The US Department of Education has developed the action guides for schools to take by setting the crisis alert levels represented by flags using five difference colors, green, blue, yellow, orange, and red, in which levels are from low to high.

**Setting Response Plans**

The emergency response plans have been formulated by many schools in our country, however, on the whole, the compile level of some school is not high enough, some even stay very low. In order to raise the level of emergency management, the management system of the emergency response plans should be perfected first. AS a result, the following points should be followed.

First, the plans should be compiled or perfected by combining the reality of the community and fully research. The plans should be formulated for the emergency that had happened or may happen in the school. And the degree of coverage and scientific of the plan should be improved as far as possible to make the plans operable.[6]

Second, the related hardware of the school should be checked. The locations of the related hardware of the school, such as fire hydrant, fire extinguisher, emergency channel, should be got before formulating the plans. And the locations should be annotated into the written plan and be familiar with the community staff and students to prevent someone couldn't find the emergency equipment because of anxiety when the accident happened.

Third, propaganda emergency response plan. Organizing propaganda and training work actively. After the emergency plan of emergent event has been achieved, the worker that relate to the plan must been trained. Fourth, the emergency plan should be tested for its scientific and practical though emergency drilling to avoid the plan and put it away unheeded. The problem in the drill has to revise or the consummation. Only by drilling, the plan's Systematic, procedural and completeness can be checked.

**Publicity Education**

On 2008 November 14, in Shanghai Business School XuHui campus students' dormitory, room 602 burned to fire and six girls in the room woke up by the fire. And then two girls picked up rushed out of the door to the public room for a basin of water, the other four girls stayed in room to fight fires in a blanket. But in the face of fierce flame, four girls gradually lost confidence, jumping from a building one by one, died instantly. After investigating the site of accident, the fire department found that room 602 girls use quick heater, which caused electrical failure, and ignited the fuel around the heater.[7]

As for four girls' death, we were deeply regretted, and should also learned a lesson from the tragedy, get some revelation, particularly of the student's emergency knowledge propaganda and education in school.
Firstly, we should strengthen safety education. Fire, drowning, traffic accident and crowded trample are the main safety accident in school. Schools should pay attention to four types of the accidents, carry out safety education, cultivate the students’ safety consciousness and improve their ability of security. Each student is faced with the possibility of danger, learns to take measures to face danger emergency and not only for cherish his own life, and also respect for others' life.

Secondly, we should carry out emergency drills. Through a scenario simulation scene to carry out emergency drills, we should enhance students' crisis consciousness, make students master the methods of avoiding risk, escaping and saving themselves. Taking fire in Shanghai business school dormitory for example, one way they can help themselves is that all the girls in the dormitory should rush out together, take the time to flee the site of accident and should be on the ground, use a wet towel to cover your mouth and nose and wait for the firemen came to the rescue if they trapped after the balcony and even if someone is on fire, she also need not to panic and roll twice on the ground to put out the fire.

Establish a Sound Early Warning Mechanism for the University Emergency Advice

The university is the place for young students studying together. In modern time, the increasingly fierce competition not only greatly increases the pressure of learning and employment for college students, but also increases the risk for campus accidents. The number of psychological problems in college students and the dimensions of these problems are on the rise. Physical and mental illnesses, frustrated feelings, economic pressure, learning difficulties contribute to the frequent occurrence of students' psychological crisis and safety hazards, and the significant changes of these environments can easily lead to emergencies among college students. Moreover, the importance of building corresponding precautions systems stands out to prevent and dispose of emergencies in case of the frequent occurrence of natural disasters and safety accidents.

Establish and Improve the Emergency Contingency Plans of Universities

Organizational and human factors are particularly important in the process of crisis management, science and technology factor is secondary. Colleges and universities must be based on the principle of "people-oriented", the realization and safeguard the fundamental interests of teachers and students as the highest standards to test the emergency management work performance.

Establish Unblocked Information Collection and Release Mechanism

All warning behaviors are based on a large number of reliable information collection and processing, the information management in colleges and universities is very complex. In order to reduce the distortion, time delay and lost information in the process of transmission, in a timely manner to capture all kinds of real useful information, strengthen the information detection and identification. Must be formed early warning information, timely grasp of information network, and to do a good job of analysis in early warning phase.

Set up the Mechanism of Risk Assessment and Hidden

This mechanism is one of the most important system to respond to an emergency prevention, is the important measures to carry out the principle of prevention first, combining prevention and treatment, is the effective ways to realize the monitoring group control and source control. There are three main aspects: one is to strengthen the campus emergency risk assessment; the second is to check and eliminate hidden danger; third is to promote the ability of self-assessment.

Establish Long-Term Mechanism for Safety Education Training and Management

Currently, the comprehensive abilities of teachers and students dealing with emergencies are not strong enough, they have such weak consciousness for fire disaster prevention that they even don’t know what to do when comes to emergencies. Imposed propaganda education must be further
promoted to classes, textbooks through safety education, and carry out self-evacuation drills in all kinds of schools, which develop security awareness from childhood and improve the ability of students’ self-protection. The need of improving relevant staff and teachers’ skills of dealing with emergencies quickly is desirable. All means of school propaganda education like lecture, publicity videos, picture albums, flip charts, posters and all kinds of knowledge of prevention, self-rescue, buddy aid should be utilized. Students should be educated to master the principals of dealing with emergencies: (1) human-oriented, life first, (2) positive hedge, scientific escape, (3) timely report, properly handle. Additionally, we should do a good job of emergency response plan. The school emergency drills should stand out the emphases, pay attention to actual effect, but not a mere formalization.[8]

References