Research on the application value of emergency platform in Colleges and Universities

Rong Wang

Department of Teacher Education, Quzhou University, Zhejiang, China

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Abstract: With the changes of the times, the emergency platform based on the traditional model can no longer meet the requirements of dealing with all kinds of emergencies in the era of "big data". In order to strive for more time to deal with emergencies and respond quickly, the role of university emergency platform is changing. Colleges and universities are an important part of society. How to build an emergency platform suitable for themselves and how to play its role have become the focus of many colleges and universities.

1. Analysis of emergency platform and emergency characteristics

The emergency platform is to collect a large amount of data and analyze it by using a reasonable mathematical model, deal with the existing problems and predict the possible situation in the future. The functions of the emergency platform are very rich, mainly including analyzing the existing problems and giving solutions; Conduct assessment and risk prompt, department coordination and human and material resources allocation. The construction of emergency platform is not only a systematic work, but also a basic work. It is of great significance to establish and improve the emergency mechanism, prevent and deal with emergencies, reduce afterwards losses, and protect the personal and property safety of schools, society and the country.

Emergency refers to the uncertain time of the event, and the resulting results cause serious harm to uncertain objects such as society, units, departments and all kinds of people. It has the following characteristics:

(1) Publicity. It seriously endangers social security and order stability, and has a profound impact on the normal life of the public. It is precisely because of this publicity that the emergency itself will become a hot spot of great concern in a short time.

(2) Urgency. Emergencies usually break out in a short time and spread rapidly, resulting in a wide range of impact. Therefore, abnormal measures, processes and efforts must be adopted to reduce the harm and control the situation, otherwise the harm will expand rapidly and deepen, resulting in more serious harm.

(3) Destructive. The occurrence of emergencies will cause damage to personal safety, property safety, social order and public safety in a very short time. The degree of damage is very serious and the scope of damage is very wide. How not to take the correct response measures in time will not only cause a wide range of life and property losses, but also cause the turbulence of social order.

(4) Uncertainty. Another important feature of emergencies is uncertainty. Since the occurrence of the event, it has been in the process of constant change, and it is difficult to make a correct judgment on its follow-up development trend according to experience and laws. It is mainly reflected in: the time and place of occurrence are uncertain, which makes it very difficult to carry out daily prevention and timely response; The consequences and losses are uncertain.

2. Analysis on the characteristics of emergency platform

Relevant government departments can use the emergency platform to release authoritative information. The data are true, reliable, open and transparent, so that everyone can understand the progress of the situation at the first time, teach correct preventive measures and risk avoidance schemes,

eliminate collective panic, improve cohesion, and maintain social stability and people's life and property safety.

Emergency plans for dealing with various emergencies are stored in the emergency platform. When a certain type of emergency occurs, the emergency platform can be used to deal with it in a timely, rapid and orderly manner, evaluate and deal with the emergency at the first time, and give possible solutions in the next step to prevent the situation from further deterioration and reduce the loss caused by the emergency as much as possible.

The emergency platform itself has its own management and processing process, which can handle emergencies scientifically and standardized, clarify the functions of various departments, and have an efficient coordination mechanism for cooperation between departments. The emergency platform itself has the function of self optimization and adjustment of resources, which can optimize the allocation of various resources under special conditions, so as to ensure that resources can be truly and reasonably invested in relevant fields. The emergency platform itself can evaluate emergencies in real time, dynamically give reasonable disposal decisions for reference, and give comprehensive solutions in combination with the scale, nature and scope of emergencies, so as to reduce their harm.

3. Necessity analysis of emergency platform

The public security situation is very complex. Further promoting the construction of emergency system is facing the challenges of increasing risks and hidden dangers and numerous contradictions. The emergency platform is an important part of the public security emergency management system. It makes full use of the existing computer information technology, communication, network and data resources to build the central support system and comprehensive application system of the emergency platform for public emergencies, integrating the prediction, detection, monitoring, information interaction, comprehensive research and decision-making of public emergencies. It integrates decision-making assistance, command and coordination, information evaluation and summary evaluation to meet the needs of emergency management planning. Modern working environment and advanced emergency command platform are essential conditions to ensure the rapid, accurate and efficient operation of emergency response to public emergencies.

From the perspective of social development, with the increasing global population, the decreasing land, the increasingly unbalanced regional development, the deteriorating natural environment, the continuous exploitation of natural resources and the frequent occurrence of disasters and accidents; With the innovation and development of science and technology, man-made engineering tends to be complex, giant and scientific. In order to maintain social stability and build a harmonious society, the traditional emergency prevention work needs to be changed, and the establishment of a comprehensive emergency platform is becoming more and more important.

4. Application value of emergency platform in University Campus

On university campuses, dormitory fires, food poisoning, the spread of infectious diseases and other emergencies occur frequently. The ability of early warning and rapid handling of events provided by the emergency platform can well reduce the occurrence of these events, including safety education aimed at strengthening students' first aid knowledge reserve, which makes up for the lack of hardware management of the school, When the incident occurs, we can try our best to save time or get out of the current dilemma. The construction of an emergency platform by the school can enable students to express their position on the notice issued by the school in time, inform relevant departments of the school to deal with such information in time, give students timely feedback, and avoid the spread of rumors.

For a long time, colleges and universities have basically maintained a harmonious and stable state. Colleges and universities mainly focus on cultivating students' learning and scientific research. The trained students do not fully understand the risks brought by the media of network, do not have enough ability to deal with the potential crisis in this place of colleges and universities, and lack emergency

plans. Even in the era of we media, colleges and universities still follow the traditional management thinking, the emergency management system is old, and the crisis response plan or crisis plan is formalized. The base of students and teachers is becoming larger and larger. It is very inefficient to prevent campus emergencies only through these organizations.

The prevention of emergencies in Colleges and universities also needs corresponding institutional guarantee. At present, the prevention system of emergencies in Colleges and universities is basically vacant. As a complete prevention system, it needs to include information interaction, information management, information evaluation, information feedback, emergency education, emergency plans and regular exercises. However, there is basically no complete prevention system in Colleges and universities in China, Some established systems have also become useless because they are not valued. The lack of this system not only reduces the risk handling capacity of emergencies, but also increases the coefficient of emergencies.

5. Conclusions

Therefore, the establishment of a safe and harmonious campus urgently needs the university emergency management platform. In the era of Internet coverage across the country, the university emergency management platform will become a necessary project, which needs to drive the whole society to pay extensive attention and actively participate. It is urgent and has a long way to go.

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References

[1] Cheng Qiyun, Sun Caixin, Zhang Xiaoxing, et al. Short-Term load forecasting model and method for power system based on complementation of neural network and fuzzy logic [J]. Transactions of China Electrotechnical Society, 2004, 19(10): 53-58.

[2] Fangfang. Research on power load forecasting based on Improved BP neural network [D]. Harbin Institute of Technology, 2011.

[3] Amjady N. Short-term hourly load forecasting using time series modeling with peak load estimation capability [J]. IEEE Transactions on Power Systems, 2001, 16(4): 798-805.

[4] Ma Kunlong. Short term distributed load forecasting method based on big data [D]. Changsha: Hunan University, 2014.

[5] SHI Biao, LI Yu Xia, YU Xhua, YAN Wang. Short-term load forecasting based on modified particle swarm optimizer and fuzzy neural network model [J]. Systems Engineering-Theory and Practice, 2010, 30(1): 158-160.