

Scenarios and Promotion Ideas of Intelligent Sports Application in China

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Abstract: Intelligent sports is not only a tool support of sports superstructure, but also a core engine to drive the overall development of sports. Based on the interpretation of the connotation of intelligent sports, this paper analyzes the scene patterns and promotion ideas of intelligent sports application in China by means of literature and logical analysis. The research holds that the application scenarios of intelligent sports in China are intelligent sports training and competition in competitive sports, intelligent sports teaching and skill mastery in school sports and intelligent sports exercise in mass sports. The promotion ideas are as follows: on the cognitive level, people-oriented, physical exercise as the basic means and physical and mental health as the center, premise and mission of intelligent sports application respectively; On the action level, cultivating smart sports communities and villages, developing smart sports urban and rural areas and building smart sports ecosystem are regarded as the basic unit, powerful driving force and strategic goal of smart sports application respectively.

Keywords: Essence of Physical Education, Intelligent Sports, Application, Scene Pattern, Promote Idea.

1. Introduction

It is the unshirkable responsibility and obligation of the school to create a safe education and teaching environment, strengthen campus safety management and carry out safety education activities. However, the occurrence of students' sports injury accidents not only brings misfortune and pain to themselves and their families, but also causes confusion and anxiety in teaching management to educational administrative departments and schools. Many schools have therefore taken negative protective measures, such as: reducing the difficulty of physical education teaching; Dismantle sports equipment such as singles and parallel bars. Therefore, some PE teachers bear a heavy psychological burden, and always feel treading on thin ice in the face of students' safety problems, so that their focus in the teaching process is no longer on the quality of PE teaching, but on how to avoid injury accidents as much as possible.

Therefore, whether the classroom teaching goal can be achieved or not. It can be seen that school sports injuries not only bind the hands and feet of physical education teachers, but also seriously affect the quality of physical education, and even hinder the enhancement of students' physique, which runs counter to the national policy of strengthening teenagers' physique, building a sports power, promoting the healthy growth of teenagers and promoting quality education.

2. Research Design

2.1. Scenarios of Intelligent Sports Application in China

Competitive sports bIntelligent equipment empowers sports training and competition, and improves human sports ability through technical assistance, thus achieving the purpose of physical and mental competition more effectively and scientifically. First, in terms of intelligent sports training equipment and equipment, we use all kinds of intelligent physical and mental testing equipment to analyze athletes'

skills and tactics, and design personalized equipment for athletes. Second, in terms of intelligent sports competition equipment, the construction of intelligent biological passports has effectively contributed to the timeliness and accuracy of anti-doping, and intelligent equipment has assisted the competition referee (VAR, video playback, Hawkeye, NFC chip, multi-dimensional neural sensing algorithm, etc.) to accurately record and detect the actions of the stadium, thus effectively.

In school physical education, intelligent equipment can empower physical education teaching and skill mastery, improve the efficiency of physical education through technical assistance, and improve the effect of students' mastery of their own physical skills, thus achieving the purpose of physical and mental education. First, in the aspect of intelligent physical and mental testing equipment, intelligent equipment such as smart vests and cuffs are used to test students' physical fitness, so as to screen out students who can't exercise and students who can't exercise with moderate intensity and high intensity, effectively avoiding unexpected situations, and setting the highest exercise intensity according to each student's physical condition to indirectly protect students' health. Secondly, in the aspect of intelligent physical education, using intelligent equipment such as micro-class, massive open online course, linkage class, etc., through video explanation, virtual scene simulation and on-site simulation demonstration, students' mastery of physical exercise skills can be effectively improved, and the quality of physical education can be improved. In addition, the convenience of intelligent devices can stimulate students' curiosity and interest, so that students can play their subjective initiative and gain sports skills and related knowledge outside the course. Thirdly, in the aspect of intelligent psychological education, the data detected by intelligent devices are compared with the scientific health data of cloud experts, so as to improve the acquisition of relevant practical health knowledge by teachers and students.

At the same time, by participating in the timely data after

exercise, we can improve and encourage students to continue to adhere to physical exercise, so as to truly play the benefits of sports in morality, intelligence, beauty and labor, enhance students' active sports consciousness, and gain strong will and social adaptability.

In mass sports, intelligent equipment empowers physical exercise, improves the awareness of mass sports participation through technical assistance, and improves the ability level of mass sports participation, and finally achieves the goal of physical and mental health qualitatively, quantitatively and moderately. First, in terms of intelligent physical exercise equipment and equipment, the use of intelligent exercise equipment such as smart bracelets or watches such as Casio and Apple, wearing and carrying equipment such as smart sports headphones, VR virtual cycling and network spinning bicycles can break the scene restrictions of people's physical exercise and improve people's enthusiasm and timeliness in participating in fitness. Secondly, in terms of intelligent fitness and leisure services, intelligent physical and mental testing equipment can improve fitness instructors to provide personalized and diversified courses, training methods and participation methods for the public, such as music aerobics and spinning, and carry out outdoor sports such as sports tourism.

2.2. Thoughts on Promoting the Application of Intelligent Sports in China

On the cognitive level, the application of intelligent sports has human nature. It is a technical aid, not a technical obstacle, to better protect athletes' competition rights, mass physical exercise rights and students' physical education rights based on people's physical structure and people's pursuit of high-quality life. Often through technical means to promote Give full play to the functions of fitness, entertainment, interaction and sociality in sports activities, and rationally increase the people's interest in sports participation and change their ideas. And habit formation. However, in the process of developing sports industry, we must not put the pursuit of economic benefits above the interests of customers, but always adhere to people-oriented, that is, students, the masses and athletes as the center. Through the integration of resources, scientific guidance, providing comfortable equipment, etc., to be faster and more

Serve people well, make people consciously participate in physical exercise, and promote people's participation by carrying out scientific and quality physical and mental practice activities. Physical and mental practice, and ultimately make people get more satisfaction, acquisition and happiness.

The application of intelligent sports is conscious. With the change of the times and environment, the emphasis of sports development will be different, and the emphasis of sports consciousness will also change. Under the national system, sports tend to aim at physical and mental competition, and with the development of the times, its emphasis has gradually changed to aim at physical and mental education and the dissemination of physical and mental culture, which is effectively in line with the strategy of healthy China. The widespread popularity of smart devices is to better serve human beings and better meet people's wishes in life, and sports is undoubtedly an important part of it.

Intelligent rehabilitation robot can promote athletes.

The recovery of sports function and mental health will ensure and care for athletes' health; The construction of

intelligent national fitness platform enables the masses to.

Learn relevant fitness knowledge scientifically and effectively in interaction and carry out various fitness and entertainment activities; The creation of intelligent physical education system is also for teachers' teaching. Learning skills with students provides more flexibility, autonomy and creativity. Intelligent sports constantly meet people's needs for a better life in practice. Seek, and constantly accelerate the practice of healthy China action.

On the action level, cultivate smart sports communities and villages. The basic unit of intelligent sports application, the application of intelligent equipment, should follow human nature. Usually, the family is the core unit, the community and the village are the basic units, and the community and village fitness centers are the breakthrough points. Through the construction of intelligent sports basic equipment, the social security work required by the masses can be helped.

The development of smart sports in urban and rural areas is a powerful driving force for the application of smart sports. The application of intelligent sports should be practical, and under the premise of meeting the people's basic sports guarantee work, intelligent sports should be gradually introduced into the overall construction of cities and villages to play the unique function of sports for the construction of intelligent society. Cultivate and incubate the creative space of smart sports and introduce new operational principles. Concept and management mode, innovative financing mode, such as single and integrated use of new PPP modes such as BOT, TOT and ROT, optimization, improvement and adjustment of existing venues and facilities, and combined with regional economy, sports demand, peripheral radiation and other factors, gradually revitalize and develop sports resources. Build smart sports complexes, smart sports parks, and smart sports characteristic towns (industry, events, leisure and fitness) in cities and towns, such as Huaxi LIVE Wukesong, which integrates sports, culture and entertainment activities; Chongqing Jihuayuan Sports Hot Spring Town gathers the main functions of the city through the "1+X" multi-format layout. Taking the development of sharing economy, stall economy and sports tourism as the starting point, and using intelligent system to empower sports-led multi-format layout will make it a powerful driving force for urban and rural development.

3. Literature References

With regard to intelligent sports, scholars mainly analyze the activation of intelligent sports [1], the rise, development and countermeasures of intelligent sports [2], the dilemma and countermeasures of intelligent sports application [3], and the integration and development of intelligent sports and traditional sports [4], but There is still a lack of research on the scene pattern and promotion ideas of intelligent sports application. Therefore, on the basis of understanding the connotation of intelligent sports, this study makes a concrete analysis of the scene patterns and promotion ideas of intelligent sports application, aiming at providing theoretical reference for the development of intelligent sports in China.

The essence of sports is the fundamental value of sports development. Only by correctly grasping the endogenous logic of sports essence can we correctly define the essential attributes of sports and guide the rational and sustainable development of sports. As early as 1986, it was put forward in the trial textbook "Sports Theory" in colleges and universities that the essence of sports is that people

consciously use their own body movements to improve their health, enhance their physique and promote their physical and mental development [5]. Subsequently, scholars represented by Yang Wenxuan, Zhou Xikuan and Lu Yuanzhen put forward their own views on the nature of sports, which were considered as social activities, social practice activities and social and cultural activities. With the development of the times, a large number of scholars have appeared "single substance theory" and "multi-quality theory" in the process of continuing to study the essence of sports. Among them, Han Pengwei [6] believes that the essence of sports is that human beings have a purpose and have it. Consciously through body movement, it acts on human beings and promotes human existence and development, which includes three elements, namely, human and body. Physical exercise and sports consciousness are feasible.

In addition, the formation of intelligent sports platforms, such as Meituan, Huangpu Wolaisai applet [7] and Taizhou E sports platform [8], can provide sports service, training and fitness, health data tracking, venue reservation, public facilities positioning and other functions for people to participate in fitness. Thirdly, in the service of intelligent sports events, the application of various intelligent technologies in the broadcast of sports events and the construction of stadium environment has improved the people's satisfaction and immersion in watching athletes participate in sports, such as the application of technologies such as 5G+8K+5.1 surround sound, 3D pictures and time slicing, which not only provides a model for mass sports participation, but also strengthens the people's awareness of participating in sports.

Taking the integration of physical education and medicine, leisure and entertainment as the breakthrough point, the physical fitness of community and village residents is tested regularly, and the positive role and practical health knowledge of physical exercise are disseminated to the masses by using databases such as expert cloud, so as to scientifically and systematically improve the masses. People's sports initiative consciousness, and cooperate with the government, market, community associations, social organizations, sports clubs, enterprise trade unions, etc. in information sharing, financing channels, talent acquisition and platform construction [9], and gradually establish a stable one-stop, systematic and intelligent smart sports service system unique to communities and villages, so as to effectively guide the public to participate in sports activities scientifically and effectively protect the people's right to participate in sports.

The application of intelligent sports should be conscious. We should learn from the pilot models in Hangzhou, Shanghai and Guangzhou, and refer to the practical experience of Wuxi Smart Sports Industrial Park in terms of organizational structure, functional orientation and operation mechanism [10], vigorously promote the construction of smart sports ecosystem, and gradually realize the standardization and informationization of sports operation process, the intelligent interconnection of all things in sports, the internet of online services and the dataization of sports statistical analysis, so as to better and faster meet people's needs for high-quality life. For example, the standardization and informatization of sports operation process is to establish central and local governments, governments and enterprises, governments and social organizations and social groups. Organization and community joint information base, so as to provide a one-stop and integrated service collaborative model. The

intellectualization of sports Internet of Everything is a great challenge to venues and facilities. Intelligent construction and operation, fitness equipment, etc., centering on communities and villages, will fully digitize transportation, logistics, emergency, information, sports, culture and health [11], thus providing fast, convenient, orderly and efficient connections. Internet-based online service is an effective supplement and modification to offline fitness activities. Through online communication and interaction, venue reservation and smart payment, it can make up for the shortcomings of offline fitness guidance, sports training, and idle venues, and carry out online and offline linkage to improve service quality and participant satisfaction. The digitization of sports statistical analysis mainly refers to the use of smart wear and other equipment for sports analysis, physical fitness monitoring, event analysis, etc., thus guiding the deep integration of national fitness and national health [12], providing guidance for national macro-level policy construction and government decision-making, thus injecting sports power into the development of intelligent economy and providing sports wisdom for the construction of intelligent society.

4. Conclusion

Under the background of scientific and technological assistance, intelligent sports has gradually become the realistic demand for the development of sports wisdom in China, and the development of intelligent sports needs to follow the essence of sports as the fundamental development, and gradually realize the gradual process from digitalization to intelligence, and then to intelligence, in which digitalization is the premise, intelligence is the foundation, and intelligence is the purpose. As far as the current development is concerned, the market for the development of intelligent sports in China is still immature, and there is little research on the basic theory of intelligent sports, which makes the development of intelligent sports still have problems such as unclear logic and unclear thinking. However, it is undeniable that its development is a great help to promote the construction of a sports power in China and realize the modernization of sports governance system and governance capacity at an early date. To this end, if China wants to exert the due effectiveness of intelligent sports, the first task is to clarify the application scenarios and promotion ideas of intelligent sports on the basis of a correct understanding of intelligent sports, which is also rooted in the actual development of China. Core topic.

Acknowledgments

This paper was independently completed under the careful guidance and strict requirements of Dr. Lorna A. Espeso. As a student of Lorna A. Espeso, I feel very happy and proud. Dr. Lorna A. Espeso has devoted a lot of efforts to the selection of topics, the conception of the framework, the design of the questionnaire and the final writing.

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