



Research on the construction path of university art education from the perspective of smart city "internet plus"

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Abstract

This paper investigates the construction path of university art education based on the perspective of the smart city "Internet Plus". The study employs literature analysis and incorporates teaching practices. The research results indicate that building a smart art education ecosystem, creating an "Internet Plus + Art Education" platform, developing experiential and immersive art education, and exploring a social engagement model for smart art education are crucial pathways to advance the construction of university art education. The research concludes that university art education must actively adapt to the development needs of smart cities, utilize modern information technology to optimize educational models, promote the open sharing of educational resources, enhance the quality of talent cultivation, and expand social service functions, thereby cultivating innovative art talents for smart city construction.

Keywords: Smart city, internet plus, art education, construction path

Introduction

With the development and application of new-generation information technologies, the construction of smart cities has become a new global trend in urban development. As an important carrier of urban cultural development, university art education bears the significant mission of cultivating innovative talents, transmitting urban culture, and enhancing urban taste within smart city construction. However, current university art education still faces problems such as insufficient resource integration, low informatization levels, and disconnection from urban development, making it difficult to meet the new requirements of smart city construction. Against the backdrop of the "Internet Plus" era, exploring new paths for the deep integration of university art education with smart city construction is of great significance for improving the quality of art education and serving urban cultural development.

Current Problems of University Art Education from the Perspective of Smart City "Internet Plus"

1. Insufficient Integration of Art Education Resources

Currently, art education resources in universities are scattered, lacking systematic integration and optimal allocation. Resources such as teaching faculty, facilities, and curriculum systems across different institutions exhibit fragmentation, failing to form a synergistic effect. Sharing mechanisms for art education resources between different institutions remain underdeveloped, with limited resource exchange and collaboration, preventing the full utilization of high-quality resources. Additionally, there is a lack of effective resource integration channels between universities and social art institutions, resulting in a low level of socialized allocation of art education resources. This insufficient integration hinders the innovative development of art education and impacts the improvement of talent cultivation quality.

2. Disconnection from Smart City Construction

The integration between university art education and smart city construction is inadequate. Universities fail to sufficiently leverage modern information technology to innovate art education models. Within the context of smart cities, art education should be closely linked with urban development, utilizing technologies such as big data, cloud computing, and artificial intelligence to optimize teaching methods, expand teaching spaces, and promote the sharing and flow of teaching resources. However, the art education in many universities still adheres to traditional teaching models, lacking sufficient digitalization, networking, and intelligence, preventing effective embedding into the smart city construction process. This disconnect makes art education unable to meet the needs of smart city development, constraining the cultivation and supply of art talents.

Construction Paths for University Art Education from the Perspective of Smart City "Internet Plus"

1. Construct a Smart Art Education Ecosystem to Promote Open Sharing, Integration, and Innovation of Art Education Resources

Universities should focus on building a smart art education ecosystem, breaking down barriers to art education resources and promoting their open sharing, integration, and innovation. On one hand, universities need to establish a unified management platform for art education resources, digitize and systematically integrate various educational resources to form a structured, standardized resource repository, providing convenient retrieval and utilization services for teachers and students. On the other hand, universities should set up resource sharing mechanisms across institutions and regions, facilitating resource exchange and collaboration between different schools to achieve the co-construction and sharing of high-quality resources 2. Simultaneously, universities should strengthen

cooperation with social art institutions, establishing an innovation alliance integrating industry, academia, research, and application in art education. This will promote the flow and reorganization of art education resources on a broader scale, catalyzing new educational models and teaching methods, and enhancing the overall innovative capacity of art education.

2. Create an "Internet Plus + Art Education" Platform to Achieve Deep Integration of Art Education with Smart City Construction

Universities should actively follow the trend of "Internet Plus" development by creating an "Internet Plus + Art Education" platform integrating teaching, creation, exhibition, and exchange, thereby achieving the deep integration of art education with smart city construction. This platform should fully utilize emerging technologies such as cloud computing, big data, artificial intelligence, and virtual reality to provide teachers and students with intelligent, personalized, and immersive teaching services. The platform should integrate various functional modules such as online courses, digital resource libraries, virtual studios, and online exhibition halls, supporting the digital presentation of teaching content, real-time interaction in the teaching process, and immediate assessment and feedback on teaching effectiveness. Concurrently, the platform should achieve seamless connection with various information systems of the smart city, utilizing urban big data resources to optimize teaching content, leveraging the urban Internet of Things (IoT) environment to expand teaching spaces, and employing urban smart terminal facilities to innovate teaching methods, ultimately constructing an open, collaborative, and intelligent new ecosystem for art education.

3. Develop Experiential and Immersive Art Education to Enhance Students' Artistic Aesthetic Ability and Innovative Practical Skills

Universities should embrace new educational concepts of the smart era by vigorously developing experiential and immersive art teaching models, focusing on enhancing students' artistic aesthetic ability and innovative practical skills. On one hand, universities should fully utilize immersive technologies such as Virtual Reality (VR) and Augmented Reality (AR) to create realistic art learning environments. This allows students to appreciate the beauty and charm of art through multi-dimensional, multi-sensory interactive experiences, stimulating learning interest and creative inspiration. On the other hand, universities should combine experiential teaching with project-based learning, encouraging students to participate in art practice projects to enhance their hands-on and innovative abilities in authentic creative contexts. Simultaneously, universities should build open creative spaces combining online and offline elements, providing platforms for students' autonomous exploration and collaborative innovation, cultivating their creative thinking and cross-disciplinary integration capabilities. Additionally, universities should emphasize the integration of art education with entrepreneurship education, guiding students to transform their artistic expertise into entrepreneurial projects, thereby improving their employability.

4. Explore a Social Engagement Model for Smart Art Education to Expand its Social Influence and Service Contribution

Universities should explore socialized pathways for smart art education based on smart city construction, aiming to expand its social influence and service contribution. On one hand, universities should proactively serve urban cultural development by collaborating with communities, museums, art galleries, and other institutions to provide citizens with diverse art popularization courses and cultural experience activities, fostering a positive urban artistic atmosphere. On the other hand, universities should leverage their professional advantages to provide intellectual support and creative solutions for urban planning, design, and public art projects, promoting the artistic upgrade of the urban environment. Simultaneously, universities should strengthen the integration of industry and education with cultural and creative enterprises, establishing internship and practice bases for art students to cultivate applied talents with cross-disciplinary innovation capabilities. Furthermore, universities should focus on excavating and transmitting unique urban cultural resources, utilizing digital means to protect, revitalize, and innovate urban intangible cultural heritage and crafts, providing talent and intellectual support for the digital and intelligent transformation of urban culture.

Conclusion

Smart city construction provides new opportunities for the reform and development of university art education. Universities should be guided by the construction of a smart art education ecosystem to promote the open sharing, integration, and innovation of art education resources; take the creation of an "Internet Plus + Art Education" platform as a key measure to enhance the informatization and intelligence levels of art education; orient towards developing experiential and immersive teaching to cultivate students' artistic aesthetic and innovative practical abilities; and take the exploration of a social engagement model for smart art education as a breakthrough to expand its social influence and service contribution.

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