

Research and Exploration on the Optimization of the Completion System of the History Library Group of Colleges and University

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Abstract. This paper first analyzes the commonness and current problems in the systematic construction of the university history museum, and then, combining with the experience and practice in the systematic optimization construction of the university history museum in our college, focuses on the conception of the content setting and spatial hierarchy optimization of the history museum, as well as the specific construction organization and working mechanism. It provides an example and reference for the systematic optimization and construction of history museums in other universities.

1 Introduction

From rudiment to perfection, from singleness to pluralism, from isolation to community, the history library system of colleges and universities is an important carrier to witness the course of running a school, to contain the experience of educating people, and to place the feelings of teachers and students, which has created an important cultural position for inheriting the red gene and deepening ideological and political education. At present, all kinds of special exhibition halls, science and technology museums, natural museums and other new ideas, new technologies and new achievements are constantly emerging, and various exhibition forms such as network history hall, cloud exhibition, virtual exhibition hall emerge in an endless stream, which are widely praised.

Faced with these new orientations, new developments and new changes, how to better adapt to the new era of education, build up the four beams and eight pillars of cultural education elements, and build a spiritual baptism space with complementary functions, interoperable systems and multi-dimensional interaction is an urgent problem to be solved. Therefore, the only way to get out of the current predicament is to conform to the trend of the times, carry out digital reconstruction and upgrading, build a digital education base, and optimize the construction of the system.

2 Analysis of the Current Situation of University History Museum [1]

Faced with the rapid development of the new era, the renewal of the Museum of History, which is in line with the pace of the construction and development of colleges and universities, is lagging behind.

On the one hand, the old building space restricts the content follow-up update. Because the exhibition space of the Academy History Museum is fixed, it is difficult to solve the drawbacks caused by the compression of time and space. The exhibition in the form of old exhibition boards and cabinets is difficult to increase or replace the new exhibition content in time. The theme of key landscape and physical exhibition are limited. It is difficult to expand the space, update the content and adjust the layout. With the evolution of time, the superposition of events and the increase of collections, it will be more and more difficult to adjust in the later period.

On the other hand, the situation of boundary dissolution affects the quality and effectiveness of education. With the increase of modern information channels, the broadening of knowledge horizons, the diversification of aesthetic tastes, cognitive differences and value conflicts show the characteristics of "cultural violence". The trend of ideological boundary digestion is becoming more and more obvious, and the traditional narrative mode of "I speak and you listen" is difficult to achieve results. The teacher-like preaching and cramming of information transmission inadvertently strengthen the dull display and the image of being superior. If we want to break the deadlock, we must seek to have a dialogue in an equal way.

Moreover, the vigorous development trend of the Network History Museum is forcing the pace of digital innovation to accelerate. With the continuous innovation and development of the network history museum under the background of "Internet +", the use of digital media, especially network platform technology, has become the mainstream trend, and all kinds of history museums and memorials at all levels have launched online terminals such as network version and cloud exhibition, and twin, derivative and independent exhibition cases have

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emerged one after another. It has effectively realized the demand expectation of "closing the museum without closing the exhibition and visiting without restriction".^[2]

Based on the above analysis of the current situation, the demand for systematic optimization and upgrading of university history libraries can not be ignored, and it is urgent to re-plan and construct to meet the requirements of new development.

3 Content setting and spatial hierarchy optimization of the History Museum of our Institute^{[3][4][5]}

The History Museum of our Institute was completed in 2012, with an exhibition area of about 1000 square meters, 22 exhibition halls and more than 1000 physical exhibits. Since its establishment, it has undertaken thousands of practical teaching, freshmen enrollment, graduation education and various kinds of visits at all levels, showing the college's history of continuous struggle, the spirit of characteristic snow lotus and the achievements of talent phalanx construction, and has become a "living textbook" to enhance the sense of honor, belonging and pride of officers and soldiers, and a "small window" to show the new development and achievements of the college. It plays an important role in educating people, teaching and promoting education.

"Reform" is highlighted in the optimization of the construction of the History Museum of our Institute, focusing on the comparison of historical development and evolution, fixing the source of development, delimiting the stage of development, and determining major events. "Three to one long-term" thematic education highlights the "soul", focusing on condensing the spirit, and forming a positive guiding effect of value. The construction of online history libraries focuses on "wisdom" and strengthens the application of digital intelligent technology. Through two libraries and one hall, the layout of history libraries with different emphasis, complementarity and clear context is constructed and perfected by means of online and offline integration, historical facts and technology interaction.

3.1 The renovation of the Academy History Museum breaks the restrictions of the pattern, and the digital technology assists the physical exhibition.

In accordance with the principles of "respecting history, being well-founded, running through the main line, focusing on history, not leaking major events, highlighting highlights, excavating connotations, gathering souls, avoiding sensitivity and keeping secrets carefully" and the ideas of "based on facts, based on history, exhibiting features, highlighting representatives and highlighting spirit", we should break through the existing pattern of the Academy History Museum and introduce it. Assist in displaying the brilliant course of the college.

One is the transformation from historical data to outline. On the basis of careful and solid study of

historical materials, we should keep the existing structure roughly unchanged, merge, compress, expand and update some of the contents, adopt the structure of time sequence as the main part and special topics as the supplement, and divide the historical stages according to the 100th anniversary of the founding of the Communist Party of China. The main line is the three historical nodes of "the initial stage of birth and preparation (1952-1977)", "comprehensive construction and development (1978-2012)" and "striving for a new era (2013-present)". The special exhibition areas of "historical honor", "teaching achievements", "scientific research achievements" and "three to one long-term" educational achievements are set up in the plate, and the long volume of history is spread out layer by layer.

The second is the transformation from exhibition hall to space. Optimize the visiting streamline, relocate the exhibition hall on the west side of the second floor to the east side of the first floor, and use the stairs on both sides to construct the closed-loop of the exhibition line, so as to avoid the repetition of loops and reduce the density of local people. It exchanges space for time extension, reflects the close connection and rhythm of space, and expands the vertical depth that traditional display can not achieve by atmosphere rendering.

Third, the transformation from text to vision. With pictures, images and objects as the main content, we should distinguish major national activities, key military scientific research projects, teaching and training achievements at or above the air force level, and major events in the development of the academy, and do a good job of "addition and subtraction", highlighting valuable historical materials and cultural relics, pruning branches and tendrils, simplifying them, developing limited space with auxiliary applications, seizing visual attraction and promoting memory. The history museum provides visitors with the best viewing experience and multi-cultural edification, so that the spirit of the inheritance of the flesh and soul, and enhance the sense of identity of officers and soldiers.

3.2 The network history museum is free to roam 360 degrees and create virtual space through multi-dimensional interaction.

Following the principle of "practicability, flexibility, fluency and easy operation", using virtual reality technology and combining three-dimensional animation to create a simulation space of realistic environment, the physical space is extended to any corner where intelligent terminals can be used, and the convenience, interaction and experience of visits are enhanced. They complement and promote each other in giving full play to the functions of propaganda and education.

First, self-guided tours enhance participation. Set up 360-degree free roaming, virtual explanation, location positioning, autonomous interaction and other functions, which can not only enter and exit freely according to the default route of the system, but also switch the exhibition hall independently for sightseeing. Fully consider the flexibility of content update, reasonably design the

module layout structure, reserve the expansion interface, and meet the needs of dynamic display of hospital history.

Second, the co-construction of libraries and classes enhances plasticity. As a carrier of communication and teaching for participating in the Red Education and Ideological and Political Course, it is embedded in practical cases to tell the story of guarding the frontier and guarding the customs, to implement the "co-construction of library courses", to provide "the first lesson of entry" and "the first lesson of departure" for new entrants, especially freshmen and graduates, to cultivate the value of young officers and soldiers, and to establish a correct world outlook. Strengthen the backbone and ambition of guarding the frontier and guarding the frontier.

Third, cross-interaction enhances permeability. We should adhere to the unity of politics, ideology and artistry, and enhance the expressive force, dissemination and influence. With "three natures" and "three forces" as the traction target, an interactive comment and speech area is established, visitors' feelings are submitted at any time, and the "bullet screen" is displayed in real time, so as to enhance the interest of the tour, and at the same time, the brain space is penetrated by humanized intervention. By clicking on the hot label, the interest points of the exhibits on the exhibition board can be interactively operated, and the positive information can be displayed with amplification effect, so as to increase the cross-influence between people and achieve positive guidance.

3.3 "Three to one long-term" thematic immersion interaction, virtual and real blending expansion and mixed reality.

The special topic of "three to one long-term" education is an important spiritual link between the army and the Academy, and has become an important part of the Academy History Museum. The special exhibition hall can be used as an independent exhibition hall to organize visits and learning, as well as a new window for "academies linked to the army".

First is to reproduce the scene and display the activation of historical memory. The renovation of the "three to one long-term" special exhibition hall is divided into the corridor part and the main part. The corridor plans to use the form of space-time tunnel to interact with the image materials of the students guarding the frontier, and use the deep embedding technology to realize the "transfer of consciousness and cognition", so as to produce a sense of dedication and substitution wrapped in "going to the frontier, to the hard places, to the places where the motherland needs most, and serving the army for preparing for war for a long time"; The main part breaks the traditional physical barriers and chronological order of exhibition, releases the restrictions of visitor route and visiting methods, establishes the exhibition conception of full freedom, self-excitation and multi-directional interaction, and constructs the cultural empowerment in the process of

spiritual baptism of mountains, islands, deserts, Gobi, snow areas and plateaus.

Second, technology touch constructs the interactive space of role transformation. Create an expanded mixed space of content and technology integration, reality and virtual integration, audio-visual materials and interactive devices, take all-media content as the standard, adapt to the development of "immersion communication" orientation and "ubiquitous communication" media, through the deconstruction and recasting of special exhibits in the frontier such as camel thorn, *Populus euphratica*, Gobi stone, etc. It integrates the significance of devoting to the frontier into the narrative voice of the scene, combines and crosses the simple vision, hearing and touch, effectively implants the value concept of defending the country and guarding the frontier, so that the education of "three loves and three dares" can penetrate from static to dynamic, from plane to three-dimensional, from single to multiple and omnidirectional, and create a theme spiritual palace with feeling and temperature.

3.4 Duality shows deep and subtle influence, and internal and external forces produce common values.

The so-called dual display emphasizes that the individual feelings and public concepts of officers and soldiers can be strengthened in the process of visiting, and ultimately achieve the goal of strengthening individual feelings and forming collective concepts, so as to achieve the purpose of educating people.

First is to strengthen individual feelings. Control the psychology of the audience, let the officers and soldiers participate in the discussion of the history and spiritual culture of the college from various angles, respect the "basic right" of "personality feeling" which young officers and soldiers attach great importance to the greatest extent, promote the officers and soldiers to enter history and think actively, and better approach, infect and cohere the officers.

The second is to produce common ideas. Strengthen the role of the public sphere of the Museum of History, promote the development of the Museum of History community from one-way ideological indoctrination to spiritual sharing nodes, so that officers and soldiers can find themselves and discover others here, so that individual concepts and ideas can be gathered, exchanged and collided here, forming a "self-organized, growing spiritual resonance and ideological education system".

Third, to achieve value recognition. While fully stimulating the interest of officers and soldiers and effectively transmitting historical and cultural knowledge, the radiation affects the daily work and life of officers and soldiers, promotes their mutual influence, achieves the highest level of recognition in the value space, produces a higher cultural and spiritual value resonance, and ultimately forms a reaction to people's ideological interest and value recognition.

4 Suggestions on the Construction and Upgrading of the Museum of History^{[6] [7]}

In the process of promoting the systematic optimization of university history libraries, a special preparatory working group for reconstruction should be set up, and a corresponding liaison mechanism should be established, which should be carried out simultaneously in three directions: data collation, design demonstration and liaison textual research.

4.1 Deeply excavate historical materials and establish exhibition archives.

Adhering to the principle of "systematically combing, exploring bright spots, seeking truth from facts and accurately identifying", we should sort out the main vein of discipline development and the main line of education culture and spirit, expand the collection of photos, objects and text descriptions of major events, contest awards and other activities, classify, file and register one by one, and establish a database containing existing pictures, picture albums, audio and video and cultural relics. High-definition transformation of basic historical materials, the use of plane scanning, three-dimensional modeling, virtual construction and other means, technology embedded exhibition outline, for the optimization and upgrading of the College History Museum to lay a solid foundation for information and rich spiritual support.

4.2 Integration of online and offline to carry out design demonstration.

As the systematic upgrading and transformation inevitably involves the integration of interior decoration, real sculpture, equipment disassembly and assembly, information integration, film and television production and other cross-domain systems, the construction work is complicated and needs to be promoted as a whole, and the work of project cost, procurement inquiry, consultation and demonstration should be started simultaneously, and professional cost companies should be selected to meet the needs of the transformation according to the market price. Around the idea and demand of transformation, we should communicate in advance and promote the research, demonstration and design of the scheme as a whole.

4.3 Multi-party contact and textual research to confirm historical events.

Establish a network covering all departments, departments, teaching and research offices, student unions and other liaison work, cooperate with data collection, historical textual research, project bidding and other liaison work, collect and summarize all kinds of historical data, sort out all kinds of honorary achievements, and determine the honor ownership and spiritual inheritance of the school on the principle of "exclusive source, honor sharing and EPL, **84**

(2008)spiritual integration". Some veteran leaders and comrades are invited to check and verify historical events and put forward suggestions.

5 Conclusion

In the long run, in order to meet the needs of diversity and mobility of information in colleges and universities, we must optimize the construction of history museum community in a systematic way. The integration of various resources such as Academy History Museum and Network History Museum is the trend of future development. This paper takes the practice of the systematic optimization and transformation of the history museum of our college as an example, elaborates the transformation ideas of the content setting and spatial hierarchy optimization of the history museum in detail, and creatively puts forward a series of feasible transformation means, which provides an example and reference for the digital transformation of other history museums of colleges and universities.

Believing that practice is the only criterion for testing truth, I sincerely hope that all colleges and universities can find their own way of resource integration on the way forward, make full use of their own resource advantages, tap the value of resources, and improve the work of colleges and universities to a new and higher platform.

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