Retraction

Retracted: Construction and Application of College Smart Party-Building Platform Integrating Artificial Intelligence and Internet Technology

Scientific Programming

This article has been retracted by Hindawi following an investigation undertaken by the publisher [1]. This investigation has uncovered evidence of one or more of the following indicators of systematic manipulation of the publication process:

(1) Discrepancies in scope
(2) Discrepancies in the description of the research reported
(3) Discrepancies between the availability of data and the research described
(4) Inappropriate citations
(5) Incoherent, meaningless and/or irrelevant content included in the article
(6) Peer-review manipulation

The presence of these indicators undermines our confidence in the integrity of the article's content and we cannot, therefore, vouch for its reliability. Please note that this notice is intended solely to alert readers that the content of this article is unreliable. We have not investigated whether authors were aware of or involved in the systematic manipulation of the publication process.

Wiley and Hindawi regrets that the usual quality checks did not identify these issues before publication and have since put additional measures in place to safeguard research integrity.

We wish to credit our own Research Integrity and Research Publishing teams and anonymous and named external researchers and research integrity experts for contributing to this investigation.

The corresponding author, as the representative of all authors, has been given the opportunity to register their agreement or disagreement to this retraction. We have kept a record of any response received.

References

[1] H. Chen and J. Su, "Construction and Application of College Smart Party-Building Platform Integrating Artificial Intelligence and Internet Technology," *Scientific Programming*, vol. 2022, Article ID 8569301, 9 pages, 2022.

Research Article

Construction and Application of College Smart Party-Building Platform Integrating Artificial Intelligence and Internet Technology

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In the era of "Internet +," the deep integration of party building in colleges and universities and information technology is the objective need for the modernization of the party's government in colleges and universities and the realization of science. Starting from the concept of the smart party-building platform in colleges and universities, this study analyzes the current situation of the informatization and intelligence of party-building work in colleges and universities. Combined with the current development needs of the party-building work in colleges and universities, starting from the significance of the construction of the smart party-building platform in colleges and universities, the ideas and main research studies on the construction of the smart party-building platform in colleges and universities are expounded. Contents describe the construction path and implementation method of the university wisdom party-building platform in order to construct a reasonable and efficient university wisdom party-building platform construction plan.

1. Introduction

With the rise of "Internet +," the self-construction of grass-roots party organizations in colleges and universities, and the continuous increase in the scale of party members, the pressure on party affairs' management staff has increased, and some colleges and universities have begun to seek more intelligent management models' concept which came into being. The so-called smart party building in colleges and universities [1] is the era title of informatization and digitization of party building in colleges and universities in the new stage of informatization development [2]. The level of party members of teachers and students expands the party's presence and digital influence in colleges and universities, improves the service level of party organizations in colleges and universities, and consolidates the new platform, new model, and new form of party organization management

ability in colleges and universities [3]. The formation of smart party building in colleges and universities [4, 5] has gone through a process from scratch, from slogan to initial realization. In the beginning, everyone focused on the research on the necessity and possibility of Internet + party building in colleges and universities, and how to build the Internet + The new system of party building in colleges and universities has become the main theme of the reform of major colleges and universities [6]. The focus of the research is on how to integrate party building in colleges and universities into the mobile Internet platform [7]. Subsequently, a very small number of colleges and universities began to carry out research on the realization and application of smart party building, trying to take "Internet + student growth" as their work idea, such as the "NetEase Class" of Southwest Petroleum University. However, in general, the existing research on high-intelligence party building

platforms [8] is still at a relatively shallow level, and the constructed platforms also generally have the characteristics of a single function, weak data sharing, and poor versatility.

Smart party building is a new application of information technology in the field of party building in the "Internet +" era [9]. Making full use of information technology means building a new smart party building platform to give full play to the smart party building platform to closely connect with the masses, standardize the management of party members, and improve service levels and scientific levels [10]. It is a necessary measure to train qualified builders and reliable successors of the party and the country, and it is an inevitable choice to promote the quality of party-building management in my country's colleges and universities [11–13]. Contemporary college students are all post-90s and digital natives. Almost every college student has more than one mobile phone or mobile terminal. Contemporary college students are very active netizens, who provide sufficient prerequisites for the "Internet + Smart Party Building Platform." It is realistic to build a smart party building platform and strengthen the innovative practice research of college students' party building work, and it is a necessary way to make the party building work in colleges and universities intelligent in the new era [14].

To build a reasonable platform for party building wisdom in colleges and universities, it is necessary to grasp the important advantages of smart party building in colleges and universities from the perspective of theory and practice, strengthen the integration of network, information technology, and party building, and integrate resources so that the management of party building in colleges and universities will become informatized and the forms of publicity will become diversified [15]. Party-building services are becoming smarter, and the following points must be done. (1) Clarify the new tasks and new requirements of the smart party-building platform in colleges and universities, make full-use of the communication power of the mobile Internet, use big data means to integrate resources, and actively explore the use of modern information [16]. (2) Establish a platform for smart party building in colleges and universities. Establish an party member electronic information management system to achieve unified, refined, and standardized management of all party members, and achieve scientific and orderly management of party member information and oral work; establish an online party member examination system to make party member development work smarter; establish an online party school classroom. Develop the APP client of the party building learning platform, transfer the ideological education of colleges and universities to the Internet, and realize the normalization of online education through theoretical learning [17]. (3) Explore the management methods of the smart party building platform in colleges and universities. Strengthen the analysis and judgment of data, improve the accuracy of services, and use relevant policy support and technical means to ensure the safe and effective operation of the party-building platform [18]. Functional modules of the smart party building platform are shown in Figure 1.
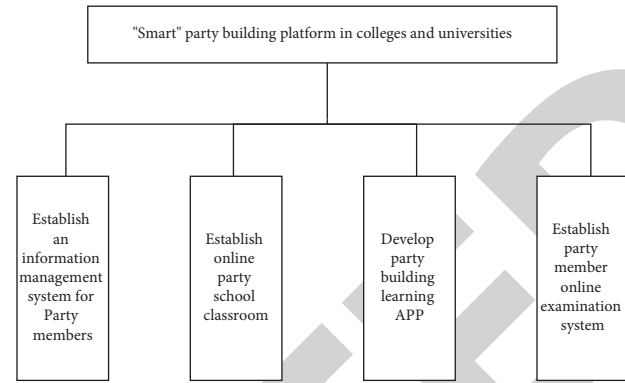

FIGURE 1: Functional modules of the smart party building platform.

2. The Goal of Building a Party Building Platform That Integrates Internet Technology

In order to implement the requirements of the central party building work, the party and government departments of colleges and universities should make full use of information technologies such as the Internet, cloud computing, big data, and artificial intelligence. Smart management: through the establishment of a smart party building platform, party members are connected to the Internet, the organization is built on the cloud, and the Internet can be integrated into the work, life, and study of party organizations and party members in a timely and effective manner, so as to realize scientific decision-making, learning, and education of party organizations. Use data to achieve precision, use intelligence to achieve prediction, and help provide comprehensive services for teachers, students, and party members in colleges and universities in the digital space [19].

The current smart party building work is carried out in various forms [20]. It is no longer bound by traditional methods. Instead, it uses the Internet to realize party building informatization, establish a smart party building system, and facilitate the implementation of the party's line, principles, and policies, so as to realize the realization of the party central committee. With the proposed goal of strictly governing the party, the smart party building platform provides platform convenience, time convenience, and space convenience for realizing the party building work goals.

The construction of party-building cloud platforms in colleges and universities must be closely integrated with the spirit of the 19th National Congress of the Communist Party of China; it must be integrated with the political and ideological work of schools. The content of the platform should be in line with national conditions, party conditions, and school conditions, and in line with the law of teacher and student growth. Clarify the purpose of building a cloud platform for smart party building in colleges and universities under the new situation and fully reflect the practicality, practicability, and effectiveness of the platform [21] so that teachers and students can learn more efficiently and work well, and party building organizations are more effective, so as to ensure end customers. The number of party members

engaged in online self-learning facilitates, to the greatest extent, the study and lives of the majority of party members, teachers, and students. Second, optimize the top-level design and improve the platform functions. Under the background of "Internet +," the smart party building work in colleges and universities is highly political, professional, and systematic. The construction of the smart party building cloud platform should be regarded as part of the smart campus construction, and college leaders should attach great importance to the smart party building cloud platform. Top-level design and overall planning: give full play to the advantages of the network platform, summarize the main characteristics of the new era and new technology applications, analyze the main problems, and study how to establish and improve the platform design and guarantee mechanism. Establish the concept of "big party building" and improve the platform modules and functions [22], including party building publicity, party member service, party affairs management, party member education, party discipline supervision, party member evaluation, and other modules. Use learning platforms, such as portal terminals, mobile apps, and WeChat public accounts, to give full play to the inter-communication, mutual integration, and interaction functions of "Internet +" and realize the design goal of the smart party building cloud platform. The rapid development of "Internet +" technology has brought great changes to the management of colleges and universities. At present, most domestic colleges and universities have their own complete website construction. With the increase in party affairs' work, it is imperative to open a special portal website for party building on the school homepage. The portal website must have a group of professional management personnel and work according to national laws, top-level reality, and the actual situation of the school. Do a good job in the planning of each module, daily update of content, interconnection and interaction, question answering, background management, etc., and do a good job in the management of WeChat public account platform and mobile APP receiving platform, rather than one or several topics at present module link, and manage lax state. It can really play the role of the portal website and bring convenience to the study and lives of party members. Second is the construction of the WeChat public account platform of the Object Wisdom Party Building. Relying on "Internet +" thinking, the WeChat public account receiving platform for college wisdom party building can transmit text, pictures, videos, and other information anytime and anywhere, allowing college party members and cadres to break the limitations of time and space to browse and read the party's policies and information anytime, anywhere, and learn the latest. The tasks and priorities of the work are well illustrated and immersed. Online party member education is carried out through the WeChat public account, interactive communication, understanding of party members' ideological dynamics, and understanding of the deficiencies in party building work so as to improve the management level and improve the effect of learning and education. Third is the construction of the mobile APP platform of the object wisdom party building. Under the "Internet +"

environment, the construction of the party building mobile APP platform is very convenient. For example, the "Learning to Strengthen the Country" mobile APP platform that all our party members are paying attention to every day is good learning receiving platform. Use the mobile phone APP smart party building platform to push news content from time to time, carry out online comments and points learning, and regularly promote the Communist Party members' mobile newspapers with clear themes and vivid content to attract the attention of party members and cadres. Improve the attention of party members and cadres through points ranking, points exchange, etc., so that party members and cadres can improve themselves through learning and fully understand the importance of learning to strengthen the country and the school.

To achieve platform convenience [23], the smart platform built by the smart party building contains a variety of functions, which are intended to transfer the offline activities of the smart party building work to the online, which is more conducive to the development of the smart party building work, and the offline activities are transferred to the online, so that more party members can view and participate at the same time, and there will be no crowding when offline activities are carried out. The party building platform solves this problem very well. Give full play to the supervisory role of the masses. To achieve time convenience, traditional party building work requires smart party building to commute to get off work regularly. When there is a need for study, training, or business trips, you cannot participate in the party-building work of the unit, and you can only go back to the unit to carry out tutoring, resulting in tight working hours; the effect of tutoring is also unsatisfactory. Due to the inconvenience of space, the traditional party building work is difficult to convey information due to the inconvenience of space, and the policies and lines of the Party Central Committee may be "changed" when they are communicated to the grassroots. The establishment of the smart party building platform has solved this problem very well. Party members can use the examination function to strengthen the study of party regulations and party constitutions. The party rules and regulations are imprinted in the heart. The "smart party building" platform system is different from other party building platforms used in colleges and universities in the past [24]. The objects it serves not only are limited to party members and comrades but also include all party identities inside and outside the party, from party applicants to official party members (Figure 2).

The significance of artificial intelligence and Internet technology applications in party building work is mainly reflected in the following three aspects. The use of big data technology to achieve innovation in party building work: after the adoption of cloud computing big data technology, on the one hand, the teaching and labor party branch and student party branch of our college party affairs' workers at the highest level can understand the work dynamics of party organizations in a timely manner based on real-time data and clarify the direction of each party affairs' activity. Data technology provides great convenience. On the other hand, through the analysis of online data on the platform [25], we

FIGURE 2: Service objects of the "smart team building" platform system.

can more accurately understand the needs of each party member in terms of learning dynamics, work and life, etc., which is conducive to the higher-level party organizations carrying out intraparty care and drawing closer relationships with teachers and students.

3. The Construction of the Platform

For the construction of the cloud platform for smart party building in colleges and universities, it is necessary to grasp the principles and construction methods of platform construction according to the tasks and goals of platform construction. At the same time, plan and design each functional module, build it in one step, and formulate a sound management system to ensure the normal operation of the platform.

3.1. Technical Route. The platform technology architecture is divided into four layers. The bottom layer is the hardware layer, which adopts a safe and reliable elastic cloud platform, which can be elastically expanded according to the size of party members. The data layer is the three core databases of the three party building platforms. The middle layer is the business layer, with the AI intelligence engine as the core, providing a storage engine, search engine, analysis engine, content engine, learning engine, data cache, and other capabilities. The top layer is the user access layer, which is mainly used for external publicity and serving party members and the masses. There are four access methods for the server: portal website, mobile app, WeChat public account, and interactive terminal all-in-one. Party workers, party members, and the masses can easily obtain party building resources and services through different channels. Party organizations can conduct organizational work, content updates and decision-making analysis through a unified management platform [26]. The technology roadmap is shown in Figure 3.

3.2. Functional Framework. A functional framework is shown in Figure 4. The three core databases of the platform include the party member and organization information database, party building information and learning content database, and party member and organizational behavior database, which are used to support the realization of "party building publicity, learning, and education, interactive services, party affairs' management, and party member evaluation." The Party Building Propaganda Center is a column where the party organization publishes important news within the party, and it is a new frontier for party building propaganda; the Learning and Education Center is the "handheld party school" for party members, providing party members with original texts, VR, courses, and other

forms of learning content; the party member interactive service center allows party members to post "work, achievements, and highlights" to form a party building work atmosphere that loves interaction and diligent sharing; the party affairs' management center can help party organizations at all levels manage party member information, carry out organizational life, and transfer online. Receive party work such as organizational relations and online collection of party dues; the party member evaluation center generates a medical report by conducting consultations on party members' learning effects and recommends learning content to improve party members' learning effects; the scientific decision-making center for party building provides party organizations at all levels. The AI intelligent engine is the core of the system. Through natural language analysis of party members' speeches and discussions, it depicts party members' portraits and knowledge maps and accurately recommends learning content based on the analysis results.

3.3. Functional Module Design. Platform functions need to be divided and designed from the perspective of user usage habits according to business needs and business processes and follow the standards of identity authentication, information security, sharing, and exchange of the national organization system.

3.3.1. Party Building Information. Party organizations at all levels can publish hot information, advanced models, and clean government models through the party building information module and provide innovative and dynamic propaganda content such as audio and video integration, pictures, and texts. Party members can learn the basic knowledge and theory of the party anytime and anywhere through the three access methods of the platform. Information must be reviewed by the administrator before it can be placed in the corresponding section. The system follows the principle of "which level is the approval level and which level is the release level." For example, the information approved by the branch secretary is open to view by all party members under the branch; if the information has been submitted to the higher-level organization department for approval, all party members under the party organization can view it. In terms of information content recommendation, the platform realizes personalized and accurate push of learning content based on the correlation characteristics and popularity characteristics of party member portraits, learning environment, and party-building content so that the majority of party members can keep abreast of the party and public sentiments they are concerned about. The organizational activity management process is shown in Figure 5.
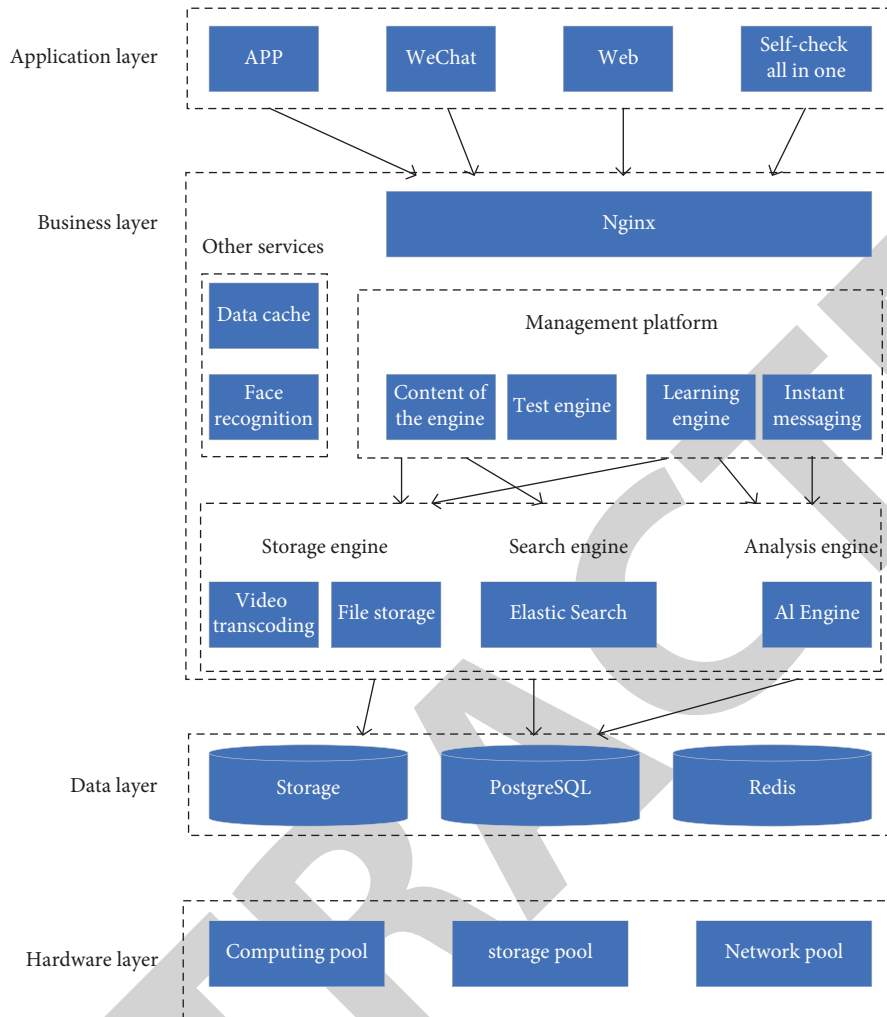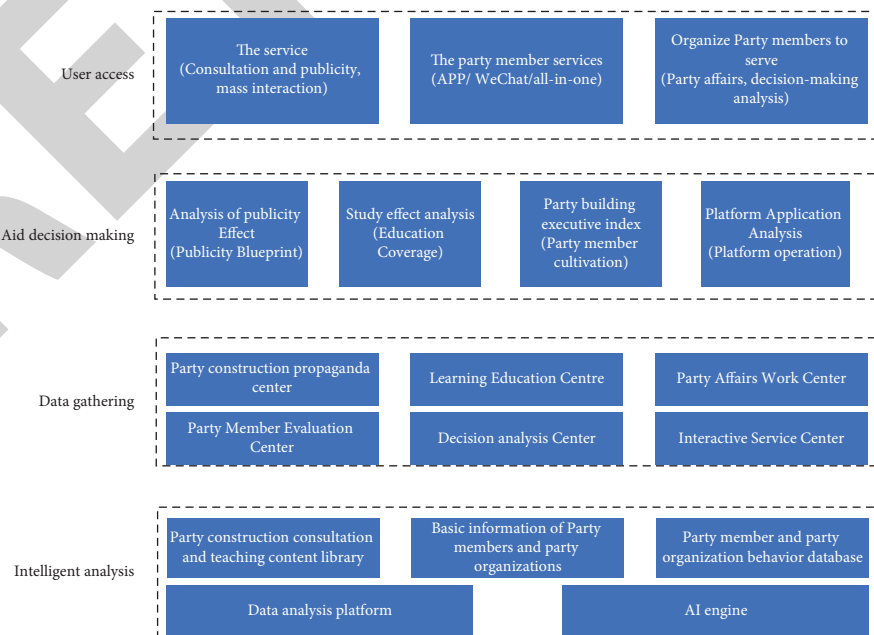
FIGURE 3: Technology roadmap.

FIGURE 4: Functional framework.

Party workers initiate organizational activities through the app and set the theme, time, and participants of the event. Before the event starts, the platform automatically pushes information to each party member. After receiving the event notification, individual party members can feed back their opinions to the branch. After the event starts, party members check in after locating them through the app, and the system automatically records and counts the check-in situation. After the event, party workers can upload event pictures and event summaries, and party members can share their experiences.

3.3.2. Party Member Interaction. The party member interaction module realizes the real-time networking of party member management and organizational life. Party members can share their experience and thoughts on party building work, advanced deeds and pioneer stories around them, or the effectiveness of paired assistance work on the platform in the form of a "circle of friends." On the basis of giving full play to the vanguard and exemplary role of the Communist Party members, we launch extensive propaganda. Let the communication and interaction between party members and party organizations and party members and nonparty members no longer be limited by time and space and be able to initiate communication and interaction at any time and any place; changing the previous study relying on on-site lectures, opinions must be presented face-to-face, and evaluations are all thrown around.

3.3.3. Party Affairs' Management

(1) Organizational Management. The organization management module is used to maintain the information database of party organizations and party members and realize the management of adding, deleting, and querying information for party organizations and party members. Party organization information includes party organization code, party organization name, superior party organization code, party organization type, party organization structure, location information, and other information. Support a multilevel tree organization tree, which is consistent with the data format of the Central Organization Department system. Party member information includes name, gender, ethnicity, place of origin, education background, date of birth, contact number, ID number, whether the party has lost contact, job position, code of party organization affiliation, administrative region affiliation, and other information. The format of party members conforms to the "Regulations for Information Collection and Reporting of the National Party Member Information Database of the Organization Department of the Central Committee."

(2) Work Ledger. This module provides two categories of work ledger management of party organization and party affairs work. The party organization ledger includes the party committee work ledger, the party general branch work ledger, and the party branch work ledger. The platform for party building work standardizes the configuration of work items, and this module can provide two categories of work ledger management of party organization and party affairs' work according to the organization. The party organization ledger includes the party committee work ledger, the party general branch work ledger, and the party branch work ledger. The platform party building work standardizes the configuration of work items and can be stratified according to the organization.

(3) Work Assessment. This module provides an online assessment function for party (general) branches and party members. Party (general) branch assessment includes branch self-assessment, branch mutual assessment, leading group scoring, and publicity of assessment results. The assessment of party members includes self-assessment of party members, democratic assessment, scoring by the leading group, and publicity of assessment results. The platform automatically provides the basis for assessment indicators and calculates quantitative scores based on party-building data, which greatly reduces the complexity and workload of assessment work and improves assessment standardization and transparency.

(4) Task Management. The party building work management department can decompose and issue various daily or periodic important work items to the responsible department or person in charge for processing, set the type and completion time of the task, and conduct real-time tracking and penetrating supervision of the task. Party workers can use text messages to remind or urge the responsible person, and the responsible person can also give feedback on the implementation of the work in the task management process. The platform can centrally monitor and summarize key tasks, which is conducive to strengthening the implementation of various party-building work items and forming efficient cooperation in party-building work.

(5) Cadre Management. This module establishes a complete information file of party members and cadres, records the basic information of party members and cadres, resumes, work experience, family situation, important social relations, elected representatives, and committee members, and realizes the daily management of cadres, learning, and examination, assessment, and selection. Full coverage standardizes the whole process of management cadre assessment, provides cadre selection and appointment and management assessment supervision mechanism, and provides information support for colleges and universities to select and employ personnel and conduct cadre assessment.

3.4. Online Teaching. Online teaching is divided as follows.

3.4.1. Online Learning. Relying on "new media" for learning and interaction has become the new normal in the education and training of party members and cadres. The online learning module can provide party members with content such as national policies, party history MOOCs, school regulations, party work priorities, party affairs research,
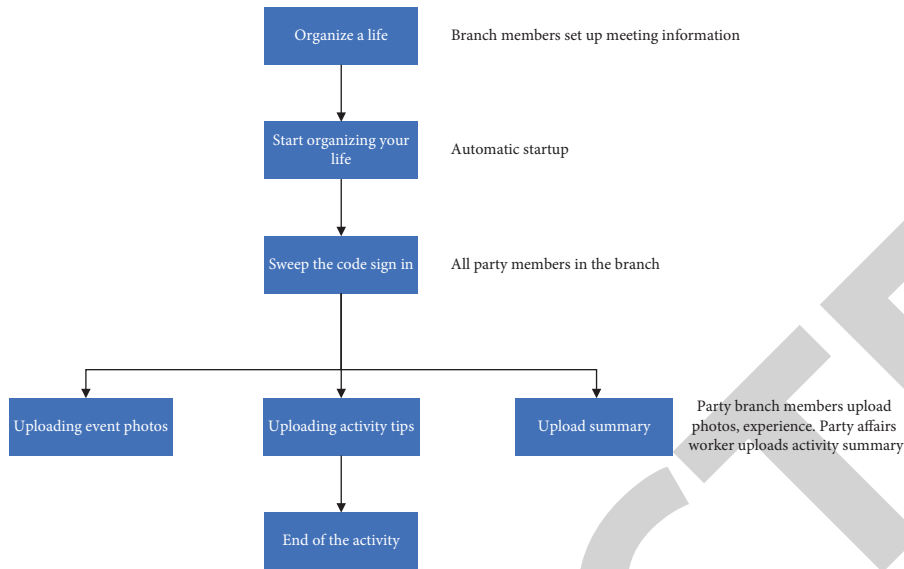
Figure 5: Organizational activity management process.

agricultural history and school history, and VR representation of red scenic spots. The platform records the learning content, time, comments, and other learning behavior data of party members for evaluation and analysis of learning effects.

3.4.2. Exam Management. Exam management is divided into three parts: question management, paper management, and examination management. The range of test questions includes the platform's own question bank and a user-uploaded question bank, and the types of questions are multiple-choice, multiple-choice, and judgment. Administrators can batch import test questions through an Excel spreadsheet. Before the test, the administrator can automatically generate test papers with random questions from the question bank or manually select the test questions to form the test paper and set the test time, question score, test object, and other information on the test paper. After party members submit test papers through computers or mobile phones, the platform will automatically grade the papers and calculate the total score.

3.5. Intelligent Analysis. Intelligent analysis is as follows.

3.5.1. Portraits of Party Members. The image of party members and cadres is related to not only the mass base, influence, and appeal of the party members and cadres but also the image of the party and the prestige of the party organization. This module creates three-dimensional portraits of party members from 26 categories and 145 subcategories. The platform intelligently analyzes the learners' thinking patterns of perceiving and processing information from the semantics and context of comments and categorizes the work behavior styles of party members into four categories: perception, observation, thinking, and hands-on. The machine learning algorithm based on feature extraction

compares the text features of the comments with the built-in keyword knowledge base of the system. The level outlines the overall level of party members' learning effects, synthesizing the semantic, context, and keyword features of the review text and mining the relatively stable and lasting characteristics of the learners in most cases, that is, the personality traits through the learners' behavior forms in different times and situations. And from the personality traits of 16 dimensions such as gregariousness, self-discipline, and intelligence, it provides a reference for personnel placement, adjustment, and rational use of party member resources.

3.5.2. Party Building Decisions. The party-building decision-making module realizes the function of supervising and controlling the work of party members and party organizations online. Party workers can supervise the attendance of party members and track and manage the activities of lower-level party organizations and grassroots party organization meetings. This module visually displays the statistical data of the party organization, the statistical data of organizational life, the statistical data of democratic appraisal, the statistical data of the "three meetings and one lesson" learning, the statistical data of the party members' learning effect, etc. Through trend analysis, party affairs' workers can understand the work of grassroots party building and changes in party building indices, and review the effect of special education in real time, so as to adjust and optimize party member education strategies in a targeted manner to achieve precise policy implementation.

4. Conclusion

To sum up, under the background of "Internet +," information technology provides a more complete and convenient way for the cloud platform of smart party building in colleges and universities and promotes the advancement of party member education, management, and service with the

times. In the construction of the smart party building cloud platform, it is necessary to clarify the construction goals to ensure the wisdom of the party building management work. With the innovation and improvement of the smart party building cloud platform, it promotes the development of party building work in colleges and universities, enhances the vitality of party building work, and brings new vitality to party building work. At the same time, it also provides new ideas for the development of college construction work, promotes the progress of grassroots teachers and students in colleges and universities, and ensures the quality of grass-roots party members. The online education management method of party members will improve the efficiency of party affairs' work. The four advantages of the "smart party building" platform will also be the necessary methods and means of party building work in the future. From the perspective of "Internet + big data," party building work will surely move forward steadily on the road of high efficiency and technology.

Data Availability

The dataset can be obtained from the corresponding author upon request.

Conflicts of Interest

The authors declare that they have no conflicts of interest.

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