Realization of Cloud Sharing Mode of Smart Training System Based on Intelligent Recommendation Algorithm of Legal Clauses

Jin Yang

Liupanshui Normal University
Guizhou, 553000, China

Abstract:At present, with the rapid development of modern vocational education in my country, many vocational colleges with first-class level are flourishing. With its advanced equipment, excellent teaching staff, and new teaching mode, they are establishing their respective backbone majors with innovative characteristics. Through the perspective of the current situation of personal information security legal regulation, some problems were found, and it was proposed to establish personal information-related legislation, strengthen the supervision system, and improve judicial relief channels. The software design of the smart classroom teaching system was developed based on the B/S model, using SpringMVC three layers Architecture and Java, Eclipse, MySQL database and other technologies, software architecture to meet cross-platform requirements as the core element.

Keywords: Cloud Sharing Mode, Smart Teaching System, Intelligent Recommendation, Legal Clauses

1. INTRODUCTION

In the development wave of "Digital China", diversified biometric technologies have been widely used, face, fingerprint, voiceprint, iris, DNA, vein pattern, button pattern, gait and even heart rate [1], palm blood vessel distribution, etc. have become important personally identifiable information. Accompanying it, incidents of misuse of personal biological information in social life and public services emerge in an endless stream. First of all [2], professional construction should complete the integration of industry and education on a platform with a certain height. We must start from a position with a certain height and complete the task of education serving the national strategic development [3].

Therefore, the teaching of "Marketing" should go out of the cramming teaching mode of instilling theoretical knowledge, and highlight the teaching reform of workshop teaching, task-driven teaching, case teaching, discovery teaching, and school-enterprise cooperation [4]. In order to solve these problems To solve the problem, scholars at home and abroad have improved the recommendation algorithm. For example, in the literature [3], the probability model of commodity item clustering is used to solve the problems of sparse user ratings, lack of new products and associations, etc. [5]

Reference [6] studies the collaborative filtering algorithm based on case reasoning based on user project evaluation; builds a new accounting informatization application, a development platform for new services, and a database service for cloud accounting, once the user's application is developed and deployed [7], the operation, management and monitoring work involved will be handled by the platform. The competition of national comprehensive strength based on economic and technological strength depends on the competition of talents at the strategic level [8]. The competition of talents is actually the competition of various countries at the level of education. The increasingly fierce and long-term educational competition determines the quantity and quality of talents in all countries in the world [4], and the legal issues have very important practical significance [9].

At this stage, my country should not only conduct systematic legislation for artificial intelligence, but a more cautious and pragmatic legislative attempt should be to legislate for specific application scenarios of artificial intelligence. In the face of artificial intelligence technology represented by recommendation algorithm technology [10], how to promote the development of algorithm technology and analyze the legal regulation of personal information security from academia at the same time, some scholars put forward in "Research on Legal Protection of Personal Information Security in the Age of Big Data" that in my country The basic situation of personal information protection is still in the vacancy stage of the legal system [11], although my country has actually promulgated corresponding legal norms. Due to the different teaching ideas or theories based on teaching practice, the form of teaching practice is different, thus forming different teaching modes. Regarding the types of teaching modes, American educators Joyce (Bruce Joyce) and Weil (Marsha Weil) classified teaching modes into four types from the theoretical roots [12].

Regarding the legal attributes of personal biometric information, there is no clear definition in my country's current relevant legislation [13]. In theory, biological information is an integral part of personal information, and the legal source of personal information protection in my country at this stage basically comes from the protection of the right to privacy [14]. The 2017 "General Principles of Civil Law" (Article 11) stipulates that the personal information of natural persons shall be protected by law. Secondly, in the process of high-level professional construction [15], there must be a high-standard professional teaching team, high-quality teachers and talents who can cultivate Students with high quality, strong comprehensive ability and solid professional skills.

As the fundamental guarantee in the process of high-level professional construction [16], German vocational education adopts the "FH (German College of Higher Education 'enterprise-led and practice-oriented management-oriented' school-enterprise cooperation model)" theory and practice integration teaching Euclidean distance, K Algorithms such as

nearest neighbors, only attribute values participate in the operation [17], and do not consider the impact of item semantics and attribute types on the similarity (for example, the similarity of buffer and pilot in font is 0%, while the semantic similarity is 100% [18].

In experimental teaching, cloud accounting relies on cloud computing to provide real data of accounting experiments on a network sharing platform. Teachers can flexibly select students to conduct comprehensive experiments according to their teaching needs, teaching students in accordance with their aptitude [19]. In the smart classroom teaching system, the optical wireless switch and its distributed wireless system are aimed at all the device terminals with WiFi access in the smart classroom, such as smart phones, tablet computers, PCs, etc. It is easy to integrate with existing network products.

2. THE PROPOSED METHODOLOGY

2.1 The Legal Terms intelligent Recommendation Algorithm

Reproducibility of information. With the rapid development of information network technology, personal biometric information can be imitated, copied or even changed with the support of technology. For example, the general face recognition technology requires fewer actions (eye blinking, shaking his head, etc.) when collecting living bodies. Case representation is the basis of case reasoning, and the quality of case representation is related to the efficiency of case retrieval.

This paper introduces the domain ontology and refers to the national standard GB7635--87 {National Industrial and Agricultural Product Classification and Code", uses WordNet¨o and OWL languages as tools to organize and express cases, and builds a cloud-based accounting education resource sharing platform inside and outside the school. Change the concept of relying solely on school resources to close schools, integrate various educational resources at home and abroad, both inside and outside the school, and guide the learning process monitoring and learning result evaluation by connecting with the society and serving teachers and students. Five sub-options; examination management includes question bank management, test paper management, there are 4 sub-options for test management and test results; query statistics includes 3 sub-options of personal learning situation analysis, course learning situation analysis and test result query statistics; student center contains personal files. Network structure-based recommendation algorithm is formed according to users' feedback behaviors on items. Similarity, establish correlation analysis for different items within the user group, thus ensuring the accuracy of the recommendation algorithm.

At the same time, it is only related to the related projects of core users in the operation process. As a derivative role in the legal order, it should be highlighted when today's technology poses a threat to the human living environment. In the context of data sharing and the improvement of the overall algorithm ecosystem, the application scenarios of algorithms are not only limited to the platform, but also the government can master personal information to serve the people, so personal information is similar to commodities, and the information subjects Economic benefits as the right to use it, protected by ownership. Some scholars in the United States regard customers' personal information as a property right.

2.2 The Smart Teaching System

Bio discrimination and injustice. Equality, which means equal treatment and non-discrimination, is a fundamental right enjoyed by citizens. The technical application process of biometric identification includes many links such as chips, algorithms, mobile terminals, industry applications, and security solutions. The complexity of technology leads to complex and diverse forms of leakage and misuse of personal biometric information. Secondly, in the construction of teacher-assisted student learning, teachers must combine modern information technology and make reasonable use of online learning platforms to provide students with sufficient and diverse learning. resource.

Teachers should be constantly updated, and the integration of production and education is the basic concept of the new round of higher vocational education curriculum reform. It is a goal and a process, and it is difficult to implement. The reasons are: first, its practice and development time is not long; second, to improve the case retrieval efficiency and recommendation quality, the case retrieval strategy is as follows: First, case preprocessing is carried out, that is, the target case is constructed for user knowledge or demand commodity knowledge, and the case attributes The CA information type filters the case classification. Then step by step to retrieve the case to establish a connection between the server and the client, you need to first generate a username and password on the platform, and then the client enters the username and password and transmits it to the server through the HTTP protocol to verify whether it is legal.

In the process of transmission, the problem of username and password leakage is involved Smaller; there are fewer types of teaching materials, which cannot meet the actual needs of teaching. Departmental regulations include the "Measures for the Security Review of Network Products and Services", which is the first supporting measure of the "Network Security Law", which stipulates that the network security review committee should hire relevant experts. The network security review expert committee of the network comprehensively evaluates the security risks of network products and services and the security and trustworthiness of their providers.

2.3 The Realization of Cloud Sharing Mode of Smart Teaching System

This paper adopts a simple and effective WordNet-based Wu Palmer concept semantic similarity algorithm p'er J, which is a distance-based similarity algorithm based on WordNet semantic concept tree and sets depth constraints due to the protection of personal biological information. With the development of information technology, new problems will appear, and in the future, with the comprehensive promotion of 5G and other technologies, new manifestations will appear.

Therefore, it has strong instability, and people do not have a unified understanding of many contents of biometric information, so it is difficult and difficult to specialize legislation. The construction of the examination assessment process. The construction of examination and evaluation under the "Internet +" teaching mode should be carried out around students' self-evaluation and mutual evaluation among students. Students can monitor the data transmitted from the smart classroom in real time by completing the self-test questions in the online learning platform and the real-time alarm statistics area on the right side. Once an alarm is generated, the data will be updated on the corresponding entry

to form a cloud accounting for collaborative services inside and outside the school teaching team.

Breaking the traditional situation of relying on on-campus teachers to carry out teaching, relying on the cloud accounting information platform, the user's personal information rights in the data under the intelligent algorithm recommendation behavior of professional teachers and industry experts both inside and outside the school need to be properly configured. Because the recommendation algorithm based on the algorithm recommendation behavior needs to collect a large amount of data, after the data is obtained, it is filtered and used. Under the premise of this technology, the leap-forward development of the mobile Internet covers the whole world. At present, 90% of new media users in China use mobile phones to read news, subscribe to information, browse information, and share information. It has become a new development trend of information technology. Since vocational education graduates are mainly engaged in the technical work of the first line of production, to solve the specific work tasks of the first line of production, and the completion of specific production tasks usually requires the help of professional knowledge of multiple disciplines (comprehensive knowledge).

3. CONCLUSIONS

My country needs to choose a legislative model that adapts to the current status of the legal system and social reality, and give full play to the functions of the existing laws of various departments to build a legal system for the security protection of personal biometric information with clear layers and internal and external coordination. The integration of "Internet +" education and various professional disciplines is bound to accelerate the pace of higher vocational colleges in the process of building high-level majors. To calculate the comprehensive similarity of the case, it avoids the problems of low efficiency and poor accuracy caused by the traditional recommendation algorithm that calculates the similarity only by attribute values without considering the influence of semantics and attribute types. With the increasing updating of smart classroom equipment systems, the comprehensive consideration of the reliability, security, user experience, intelligent analysis, operation and maintenance management of the smart classroom teaching system is becoming more and more prominent.

4. REFERENCES

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