

Optimization of Training Mode of Applied Undergraduate Talents by Ideological and Political Education Work in Universities under the Background of Digitalization

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Abstract: In the digital age, it is very important to study the ideological and political education (IPE) work in universities and the optimization of the training mode of applied undergraduate talents. This article focuses on how to optimize the training mode of applied undergraduate talents through IPE work in universities. By using the methods of literature study and case analysis, this article deeply analyzes the relationship between IPE work and talent training in universities under the digital background, explores the path of optimizing talent training mode in IPE work, and puts forward corresponding safeguard measures. It is found that ideological and political guidance can promote the remolding of personnel training objectives, improve the curriculum system with IPE resources, and strengthen practical ability with ideological and political practice. Furthermore, building a collaborative mechanism, improving teachers' ability and creating a good atmosphere can effectively guarantee the optimization effect. This article aims to provide reference for universities to optimize the training mode of applied undergraduate talents through IPE work in the digital era, and help universities to cultivate high-quality applied talents that meet the needs of the times.

1. Introduction

With the rapid development of information technology, the digital wave is sweeping the world in an unprecedented situation, profoundly changing all levels of society [1]. Naturally, the field of higher education can't stay out of it, and the cultivation of applied undergraduate talents is facing brand-new challenges and opportunities under this background [2]. Furthermore, the IPE work in universities, as a key link in shaping students' correct world outlook, outlook on life and values, is self-evident [3]. In this situation, it is undoubtedly of great significance to explore the optimization of IPE work in universities on the training mode of applied undergraduate talents under the digital background.

The wide application of digital technology has injected new connotation into the theory of IPE work in universities and the training of applied undergraduate talents. Traditional IPE theory and talent training theory need to be further expanded and deepened in the digital environment to adapt to the new educational ecology [4]. Analyzing the internal relationship and interaction mechanism between them under the digital background will help to enrich and improve the relevant educational theory system and provide more solid theoretical support for the follow-up research. With the constant change of social demand for applied undergraduate talents, the traditional talent training mode needs to be optimized and upgraded [5]. IPE work in universities can provide powerful spiritual motivation and value guidance for applied undergraduate talents, and help students to establish a correct career concept and social responsibility while mastering professional skills [6]. By innovating the way of IPE and optimizing the path of talent training with the help of digital means, the comprehensive quality of applied undergraduate talents can be effectively improved and the needs of social and economic development can be better met.

At present, the systematic research on the IPE work in universities and the optimization of the training mode of applied undergraduate talents under the digital background is still insufficient. Most studies only focus on one aspect, and fail to fully and deeply reveal the close relationship and

synergistic development mechanism between them. The purpose of this study is to fill this gap, and through the comprehensive application of multidisciplinary theories and methods, to explore the optimization strategy of IPE work in universities on the training mode of applied undergraduate talents under the digital background, and to provide reference for the reform of education and teaching in universities.

2. The relationship between IPE work and talent training

With the advent of the digital age, the IPE work in universities and the cultivation of applied undergraduate talents have undergone significant changes, and there is a close and interactive relationship between them. Digital technology provides a brand-new carrier and rich resources for IPE work in universities [7]. Multimedia and Internet platforms make IPE break through the limitation of time and space, teachers can spread IPE knowledge more conveniently, and students can also obtain learning content anytime and anywhere. Rich and diverse digital resources, such as online courses and virtual simulation practice, have greatly expanded the content and form of IPE and enhanced its attraction and effectiveness.

The cultivation of applied undergraduate talents is facing new requirements under the background of digitalization. The social demand for applied talents has changed from simple professional skills to compound talents with innovative ability, teamwork ability, good professional ethics and social responsibility [8]. This requires universities to pay attention to imparting professional knowledge in the process of talent training, and to strengthen students' comprehensive quality and values, which is the core task of IPE work in universities.

IPE work in universities plays a leading and supporting role in the cultivation of applied undergraduate talents. IPE can help students to establish a correct value orientation, so that they can keep a clear head and stick to the moral bottom line when facing the complex and changeable digital world. The critical thinking and communication skills cultivated by IPE are helpful to improve students' comprehensive quality and lay a foundation for them to better meet the needs of career development in the digital age.

3. The path of optimizing talent training mode in IPE work in the digital age

In the digital age, the IPE work in universities is very important to optimize the training mode of applied undergraduate talents. By exploring effective paths, IPE can be better integrated into the talent training system and the quality of talent training can be improved [9]. The training goal of applied undergraduate talents should keep pace with the times and integrate the values advocated by IPE into it. The traditional training goal of applied undergraduate talents mostly focuses on professional skills training. In the digital age, it is needed to add requirements for students' IPE literacy, professional ethics and social responsibility. For example, in the training goal, it is clearly stated that we should cultivate applied talents who have the feelings of home and country and can adhere to the correct value orientation in the digital wave. In this way, students not only have professional ability, but also have a firm political stance and good moral quality, and become high-quality talents that meet the needs of social development.

Curriculum system is the core of talent training. Universities can fully tap IPE resources and organically integrate them with professional courses. On the one hand, special ideological and political digital courses, such as "Ethics and Morality in the Digital Age", are set up to teach students moral standards and behavior norms in the digital environment with the help of online teaching platforms. On the other hand, IPE elements are infiltrated into professional courses. Taking computer major as an example, ideological and political contents such as intellectual property protection and network security awareness are integrated into the course of "Software Development", so that students can cultivate correct professional ethics and values while learning professional knowledge. The following is an example of IPE integration in computer courses in universities (Figure 1). Through the improvement of such a curriculum system, the collaborative education of IPE and professional education can be realized.

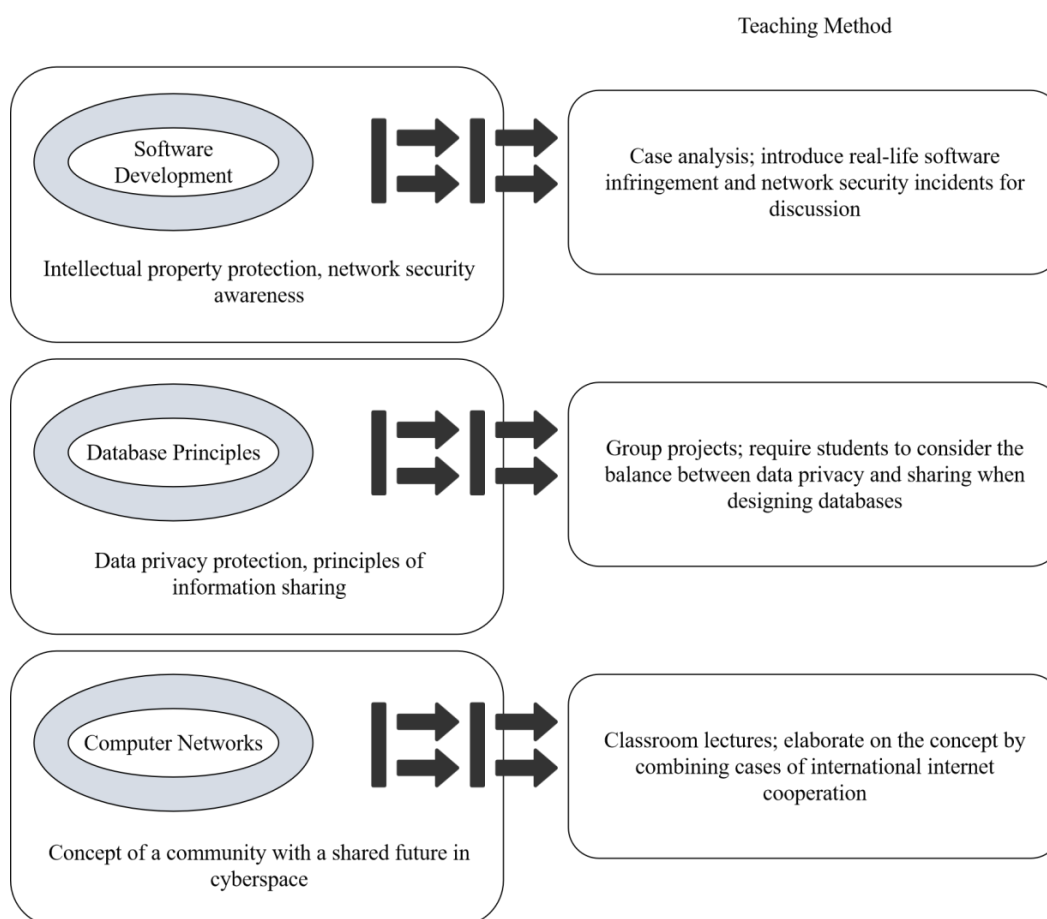


Figure 1 Ideological and political integration of computer professional courses

Practice teaching is a key link in the cultivation of applied undergraduate talents. Universities should rely on ideological and political practice activities to improve students' practical ability. Teachers can organize students to participate in digital volunteer service in teaching, such as providing online teaching and cultural communication services for remote areas by using the network platform, so that students can enhance their sense of social responsibility and mission in practice. Teachers can carry out innovative and entrepreneurial activities on the theme of IPE, and encourage students to use digital technology to solve social problems, such as developing apps or small programs with the function of IPE, so as to cultivate students' innovative spirit and entrepreneurial ability. Universities can establish ideological and political practice bases and cooperate with enterprises, communities, etc., so that students can deeply understand the social reality, turn their theoretical knowledge of IPE into practical actions, and improve their ability to solve practical problems.

4. Measures to ensure IPE work and optimize talent training mode

In order to effectively optimize the training mode of applied undergraduate talents by IPE work in universities under the digital background, a series of targeted measures should be formulated and implemented from multiple dimensions. Universities should build a perfect coordination mechanism to promote the deep integration of IPE and personnel training. Universities can set up special coordination institutions to be responsible for overall planning, integration and sharing of digital resources between IPE and professional teaching. For example, regular inter-departmental meetings are held to discuss the integration of IPE elements in talent training programs and the collaborative use of digital teaching methods. Furthermore, universities should establish and improve the assessment feedback mechanism to dynamically evaluate the synergistic effect of IPE and personnel training. The following is the assessment index system for the synergistic effect of digital IPE and personnel training (Table 1). According to this assessment system, the problems in

the collaborative process can be found and improved in time to ensure the efficient operation of the collaborative mechanism.

Table 1: Assessment Index System for the Synergistic Effect of Digital IPE and Talent Cultivation

First-level Indicator	Second-level Indicator	Assessment Points
Teaching Resource Integration (30 points)	Degree of Sharing between Digital IPE resources and Professional Resources (15 points)	Examine the frequency of cross-use and coverage of ideological and political and professional resources on the online resource platform.
	Quantity and Quality of Developed Resources for the Integration of Curriculum IPE (15 points)	Count the number of integrated curriculum resources and evaluate the innovation, depth of the resource content, and its alignment with teaching objectives.
Synergy in the Teaching Process (40 points)	Number of Joint Teaching Sessions by Ideological and Political and Professional Teachers (15 points)	Record the number of joint teaching sessions during the semester and assess the degree of collaboration among teachers.
	Synergistic Application Effect of Digital Teaching Methods (15 points)	Observe the combined effect of blended teaching, case teaching, and other methods in IPE and professional teaching in the classroom, based on student participation and feedback assessments.
	Integration of IPE in Practical Teaching Sessions (10 points)	Examine the manifestation of IPE elements in practical projects, such as ideological and political insights in practical reports and the value orientation of practical activities.
Assessment of Cultivation Effect (30 points)	Improvement in Students' IPE Literacy (15 points)	Comprehensively assess changes in students' IPE literacy through assessments in ideological and political courses, observations of daily behavior, and thought reports.
	Integration Performance of Professional Competence and IPE Literacy (15 points)	Evaluate the level of integration of professional competence and IPE literacy from aspects such as students' graduation designs and project outcomes.

Teachers are the key subjects to realize the optimization of IPE work and personnel training. Universities need to strengthen the training of teachers and enhance their ability to integrate digital IPE with talent training. Universities can carry out regular digital teaching skills training, covering multimedia courseware making, online teaching platform use, virtual simulation teaching technology and so on, so that teachers can skillfully use digital tools to carry out ideological and political and professional teaching. Universities can also organize joint training activities between IPE and professional teachers, promote exchanges and cooperation between teachers with different academic backgrounds, and jointly explore the integration of IPE elements and professional knowledge. Furthermore, teachers are encouraged to participate in relevant academic seminars and teaching reform projects, broaden their horizons and update their educational concepts. For example, a special reward fund should be established to commend and reward teachers who have made outstanding achievements in the integration of digital IPE and personnel training, thereby stimulating teachers' enthusiasm for improving their own abilities.

Universities should strive to create a campus cultural atmosphere conducive to digital IPE to help personnel training. New media platforms such as the campus network, WeChat official accounts, and Weibo should be utilized to widely publicize outstanding IPE cases and personnel training achievements, and to spread positive energy. Universities can hold digital ideological and political theme activities, such as "Ideological and Political Stories in the Digital Age" essay contest and "Ideological and Political Micro Video" creation contest, etc., to attract students' active

participation and enhance their sense of identity in IPE. A digital corridor of ideological and political culture should be created to display the deeds of advanced figures, major historical events, and other content, enabling students to be influenced by ideological and political education anytime and anywhere on campus. Furthermore, communication and cooperation with parents and society should be strengthened to form a favorable situation of home-school co-education and jointly create a conducive environment for the growth of applied undergraduate talents.

5. Conclusions

Under the wave of digitalization, the IPE work in universities is closely linked with the cultivation of applied undergraduate talents. Digitalization brings new carriers and resources for IPE work in universities, and puts forward new requirements for the cultivation of applied undergraduate talents. IPE work in universities plays a leading and supporting role in talent cultivation. By exploring the path, we can promote the remodeling of the training goal of applied undergraduate talents under the guidance of ideological politics, which can make the training goal meet the requirements of the times for talents' IPE literacy. With the help of IPE resources, the curriculum system is improved, from offering specialized ideological and political digital courses to infiltrating IPE elements into professional courses, such as the example of ideological and political integration in computer professional courses, which effectively realizes the collaborative education of IPE and professional education. Relying on ideological and political practice, we will strengthen the practical ability of applied undergraduate talents, and effectively improve students' comprehensive practical ability through digital volunteer service, innovation and entrepreneurship practice and other activities.

In order to ensure the optimization effect, it is needed to build a collaborative mechanism between digital IPE and personnel training. With the help of scientific collaborative effect assessment index system, the collaborative process can be dynamically evaluated and improved. It is the key to improve the integration ability of digital IPE and talent cultivation of college teachers. Training, research and reward can effectively improve teachers' ability. It is equally important to create a good atmosphere for digital IPE to help talent cultivation. New media propaganda, theme activities and co-education between home and school create a favorable environment for talent growth. Generally speaking, the IPE work in universities under the digital background is of great significance to the optimization of the training mode of applied undergraduate talents. Through various measures, it will effectively promote universities to cultivate more applied talents that adapt to the development of the times.

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