

Research on Specific Strategies of Digital Transformation of Education Driven by Big Data

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Abstract: In today's increasingly demanding talent training, Party schools at all levels should adhere to the principle of proceeding from reality, combine the new requirements of party member training, and strengthen the penetration of big data technology in Party school education. Only in this way can we ensure the efficiency, advancement and reliability of education. In practice, it is not difficult to find that some party schools have some problems in promoting the digital transformation of education, mainly because the understanding and application of big data technology by party schools are not thorough enough. Faced with this situation, it is necessary to explore. This paper will take big data technology as the research object, and discuss the specific strategies for the digital transformation of education driven by big data, aiming at giving full play to the role of modern science and technology in the digital transformation of education and improving the overall level of party school education in China.

Keywords: Big data technology; Digital transformation of education; Specific strategies; Party school education

Introduction

After the impact of the epidemic, human society needs a long time for economic recovery, and education has been affected to some extent ^[1]. Under the background of the continuous development of big data technology, Party school education needs to seize the opportunity, adopt diversified organizational forms and training methods, and infiltrate big data technology into the whole process of training in party member. This paper will further discuss the specific strategies of digital transformation of big data-driven education.

1. The development trend of digital transformation of big data-driven education

The digital transformation of education refers to the comprehensive transformation of the existing educational model by the Party school with the help of modern information technology, including the educational process, educational evaluation means, educational management mode, and the construction and application of educational resources. With the development of big data and intelligent technology, the governance model of party schools has changed. In order to meet the needs of training in party member as soon as possible, Party schools need to innovate in personnel training, social services and cultural inheritance, and at the same time promote their own digital transformation, expand the practical value of training in party member, and achieve an intelligent governance model of Party schools ^[2]. From the perspective of the continuity of development, informatization is the basis of digital transformation. At present, most party schools have already possessed certain information infrastructure, and accumulated a large amount of data and information in daily management and party member training, which initially laid the foundation for digital transformation. Digital transformation requires Party schools to reorganize and rebuild their core business by using modern information technology to help them achieve their mission better. Therefore, Party schools should analyze the existing training mode in party member based on their own actual situation, make clear the breakthrough point of big data technology, create favorable conditions for the infiltration of big data technology in training work in party member, and then realize the digital transformation of education. It can be seen that the application of big data technology in party school education is very necessary and is the mainstream development trend of digital transformation of party school education.

2. The specific strategies for the digital transformation of big data-driven education

In the information age, big data is a gold mine. If gold mines are to be turned into usable gold, educational institutions represented by Party schools need to extract key data information from gold mines, and big data technology is a technical means integrating extraction, induction and analysis. In the digital transformation of education, Party schools need to pay full attention to the application of big data technology. Specifically, the following strategies need to be implemented.

2.1 Application of big data technology in trainee management and trainer management.

With the help of big data technology, Party school staff can accurately collect key data information from massive information, present these data information in the form of graphics, charts and other visual ways, and then directly observe and get the analysis results. Visualization technology can reflect a large amount of information in a coherent and short report, which can be read by party school staff and provide information support for party school's development decision. In order to further ensure the reliability of data analysis results, party school staff can use their professional knowledge and professional experience to verify the data analysis results on the basis of combining the analysis results of big data systems^[3]. At present, the application of big data technology in party school education mainly focuses on visualization. In order to further exert the visual application effect of big data technology, party school staff can apply it to trainee management and trainer management. For example, party school staff can use big data technology to shape the portraits of trainees. The information source of the portrait is the behavior data and basic information generated by the trainees during the training^[4]. According to the portrait, party school staff can accurately judge the evaluation of trainees, help trainees make progress in self-reflection and form a learning path map that belongs to trainees alone. Trainers can also deepen their basic understanding of trainees through portraits and provide information support for differentiated training in party member. Party school staff use big data technology to shape the portraits of trainers, which mainly refers to integrating the relevant information of trainers through big data technology and realizing systematic analysis and presentation, so as to facilitate party school staff to judge the relationship between trainers and training results. At the same time, the portrayal of trainers is also conducive to the trainees to choose trainers, thus creating a harmonious training atmosphere.

2.2 The application of big data technology in the training process and training evaluation.

The application of big data technology in party school education can significantly improve the training quality in party member and enhance the training efficiency in party member. To this end, Party schools need to pay attention to the application of big data technology in training process and training evaluation. In practice, trainers can intuitively analyze the training process, training effect and training environment of trainees through big data system and visualization technology. In order to give full play to the application of big data technology in the training process, trainers should use big data technology to mine data information related to trainees, including but not limited to registration information, log files, process data, etc. On the basis of in-depth data mining, analyze the correlation between data, understand the objective needs of trainees, and adjust the existing training system according to the analysis results, so as to make the training work in party member match the actual needs in party member. For some trainees with strong personality and outstanding ability, trainers should also optimize the training content and create personalized training programs. Based on the data analysis results provided by big data technology, trainers can build an active, effective and targeted training mode. It can be seen that Party schools can optimize the training process through the application of big data technology and provide information support for subsequent differential training. Big data technology can also completely record learners' behavior data, including but not limited to login time, login duration, page visits, training situation and completion of training tasks. The data information formed by trainees in the learning process will be collected by big data system, which simplifies the process of training evaluation, optimizes the traditional evaluation method based on summative evaluation, and is conducive to ensuring the diversified development of party member.

2.3 The application of big data technology in the construction of educational resources

The application of big data technology in the digital transformation of education is also reflected in the construction of educational resources. Party schools can build a special database of educational resources through big data technology. The database of educational resources can be used to build an open, shared and personalized training mode, laying a foundation for the training work in party member. Massive teaching resources can not only broaden the breadth of knowledge of training in party member, but also provide trainees with a broad new learning platform, which is a milestone in the development of education in party member and a typical application of big data technology in education digitalization. In order to give full play to the value of big data technology in the construction of educational resources, Party schools should use big data technology to accurately analyze the massive data information generated by trainees during their study, explore the law of trainees' mastery of knowledge, conduct

visual modeling, form a specific knowledge framework, and provide information support for the construction of educational resources database. At the same time, big data technology can also help the party school to predict the learning development trend of trainees in the future, and then let the party school adjust the educational resource database and introduce content that matches the actual situation of trainees.

Conclusion:

With the continuous development of China's modern society, big data technology has gradually entered people's lives and work, and played an important role in the field of education. The application of big data technology in party school education is not only the mainstream development trend, but also the new requirements of society for party member training. This paper discusses the related contents of digital transformation of big data-driven education, which provides reference for related fields in China.

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