

# The Impact of Modern Educational Technology on the Construction of Physical Education Teachers in Colleges and Universities

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## Abstract

**The purpose of this study is to analyse the impact of modern educational technology on the construction of university physical education faculty, including the current situation, application and impact evaluation. The current situation contains the following aspects: the overall quality of the faculty needs to be improved, the way and means of faculty training need to be improved, and there is still the problem of unclear career development paths in the construction of the faculty. The application aspect of modern educational technology to college physical education faculty contains: it can provide diversified teaching resources, it can provide diversified teaching resources, and it can provide personalised learning support. The evaluation aspect of the impact of modern educational technology on college physical education teacher training team contains: it provides a broader learning platform, changes the way and method of college physical education teacher training, and promotes the evaluation and improvement of teaching effect.**

## Keywords

**Modern Educational Technology; Physical Education Faculty; Current Situation; Impact Evaluation.**

## 1. Introduction

Teachers are an important part of physical education in colleges and universities, and their professionalism and teaching ability play a crucial role in the improvement of education quality. By studying the effect of the application of modern educational technology in college physical education teacher training and its impact on the construction of the teacher team, it can provide technical support and talent training direction for improving the quality of college physical education. Modern educational technology also has an important impact on the construction and educational effect of college physical education teacher training team [1]. The cultivation and enhancement of college physical education teacher team is a key factor in the quality of college physical education, and the application of modern educational technology in teacher training can provide richer and more effective teaching tools and methods for the teacher team. At the same time, the study of the impact of modern educational technology on the effect of physical education in colleges and universities can understand its impact on students' learning outcomes, learning interest and learning motivation, and provide a scientific basis for improving the quality of education.

## 2. The Status Quo of Physical Education Teacher Team Construction in Colleges and Universities

Under the impetus of modern educational technology, the construction of college physical education teachers has made certain progress. College physical education teacher team

construction is an important part of college physical education, which is directly related to the improvement and development of the quality of college physical education. However, at present, the construction of college physical education teachers still faces some problems and challenges. Firstly, the overall quality of college physical education teacher team needs to be improved. At present, there are some problems such as low educational level, insufficiently comprehensive professional knowledge and outdated educational concepts in the college physical education teacher team [2]. These problems lead to the limited ability and level of teachers in the teaching and guidance process, which affects the quality and effect of college physical education.

Secondly, the ways and means of physical education teacher training in colleges and universities need to be improved. At present, college physical education teacher training mainly relies on traditional training modes, such as training courses and seminars. These ways have problems such as single training content, short training time, and difficult to sustain the training effect. With the development of modern educational technology, college physical education teacher training should rely on modern educational technology means, such as online education platforms, virtual laboratories, etc., to carry out more flexible and diversified forms of training, and to improve the professional ability and quality of teachers [3].

In addition, there is also the problem of unclear career development path in the construction of college physical education teachers. In the college physical education faculty, many teachers lack planning and support for career development. They don't know how to develop their career and lack the motivation and direction to move forward. Therefore, the construction of college physical education faculty needs to establish a sound career development system and cultivation mechanism, provide teachers with more development opportunities and platforms, and stimulate their work enthusiasm and innovation potential.

In conclusion, there are some problems and challenges in the current situation of college physical education teacher team building. In order to improve the quality and effect of physical education in colleges and universities, we need to pay attention to the training and development of teachers, strengthen the training and support for teachers, promote the application of modern educational technology in the construction of physical education teachers in colleges and universities, and build a perfect career development system, so as to provide a strong guarantee for the healthy development of physical education teachers in colleges and universities [4].

### **3. The Application of Modern Educational Technology in College Physical Education Teacher Training**

Modern educational technology has a wide range of applications in college physical education teacher training. By combining modern educational technology, college physical education teacher training can more comprehensively and effectively improve teachers' professional level and teaching ability. This section will discuss the specific application of modern educational technology in college physical education teacher training.

Firstly, modern educational technology can provide diversified teaching resources in college physical education teacher training. Traditional teaching methods mainly rely on paper textbooks and teachers' oral explanations, while modern educational technology can provide rich and diverse teaching resources for physical education teacher training, including electronic textbooks, teaching videos, simulation experiments and so on. Teachers can choose suitable teaching resources for learning according to their own needs, making teacher training more flexible and personalised [5].

Secondly, modern educational technology can provide diversified teaching resources in college physical education teacher training. Modern educational technology can provide an interactive teaching environment in college physical education teacher training. Traditional teacher

training is often a one-way teacher explaining and trainees listening to lectures, which lacks the opportunity for trainees to participate actively. Modern educational technology can create an interactive teaching environment through online learning platforms, virtual laboratories, etc., so that trainees can participate more actively in the learning process. Trainees can communicate and co-operate with teachers and other trainees through online discussions, interactive experiments, etc. to improve the learning effect and teaching quality.

In addition, modern educational technology can provide personalised learning support in university physical education teacher training. Different trainees differ in their learning, and some trainees may have a better grasp of certain knowledge points while having difficulties with others. Traditional teacher training is difficult to meet the personalised learning needs of trainees. Modern education technology can provide personalised learning support for learners through intelligent learning systems and personalised learning platforms. The system can make intelligent recommendations and guidance according to the learning situation and needs of the trainees to help them learn and improve better [6].

In summary, modern educational technology has a wide range of applications in college physical education teacher training. By providing diversified teaching resources, creating an interactive teaching environment and providing personalised learning support, modern educational technology can effectively enhance the professional level and teaching ability of teachers. With the continuous development and innovation of science and technology, the application of modern educational technology in college physical education teacher training will be further broadened and deepened to provide better support for college physical education to train more excellent teachers [7].

#### **4. Evaluation of the Impact of Modern Educational Technology on the Construction of College Physical Education Teacher Training Team**

Modern educational technology has an important impact in the construction of college physical education faculty. This section will evaluate the impact of modern educational technology in the construction of college physical education faculty.

First of all, modern educational technology provides a broader learning platform for the construction of college physical education faculty. Through the application of educational technology, college physical education teachers can make use of Internet resources and open courses for learning and research. They can obtain various educational materials and cutting-edge research results through the Internet, and communicate and co-operate with other college physical education teachers. The flexibility and convenience of this kind of learning makes the professional knowledge and ability of college physical education faculty improve comprehensively [8].

Secondly, modern educational technology has changed the ways and methods of college physical education teacher training. Traditional teacher training mainly relies on face-to-face lectures and practical teaching, which is limited by time and geography. And modern educational technology makes college physical education teacher training can be more flexible and diversified through video conferencing and online courses. Teachers can learn the latest teaching concepts and methods through online training courses and apply them in practice. This flexible training method can better meet the training needs of college physical education teachers and improve their teaching level and professionalism [9].

In addition, modern educational technology in the construction of college physical education teachers can also promote the assessment and improvement of teaching effect. Through the application of educational technology, college physical education faculty can use various data analysis tools to assess the teaching process and effect. They can analyse students' learning data and feedback information to understand students' learning situation and difficulties, adjust

teaching strategies and methods in time, and improve teaching effectiveness. This data-based assessment and improvement approach enables college physical education faculty to conduct teaching practice and teaching research in a more scientific way [10].

In summary, modern educational technology has a positive impact on the construction of college physical education teachers. It provides a broader learning platform for college physical education teachers, changes the training methods and approaches, and promotes the assessment and improvement of teaching effectiveness. However, it should be noted that the application of modern educational technology requires that the faculty have relevant technical and teaching abilities. Therefore, future research should focus on the improvement of the college physical education faculty's ability to apply modern educational technology and explore more effective ways of combining educational technology with physical education in colleges and universities.

In the course of the study, due to the limitation of time and resources, this paper only evaluates the impact of modern educational technology on the construction of college physical education faculty from a certain perspective and scope. Future research can further explore in depth the specific application effect and influence mechanism of modern educational technology in the construction of college physical education teachers.

## 5. Conclusion

Modern educational technology plays a positive role in promoting the construction of college physical education teachers. Through the application of modern educational technology, the training effect and training efficiency of college physical education teachers can be improved. Teachers can carry out independent learning and communication through the network learning platform to improve their professionalism and teaching ability. At the same time, modern educational technology can also provide more training resources and training opportunities for college physical education teachers, promoting their continuous development and professional growth. Modern educational technology plays a positive role in promoting the construction of college physical education teachers. Through the application of modern educational technology, the training effect and training efficiency of college physical education teachers can be improved. Teachers can carry out independent learning and communication through the network learning platform to improve their professionalism and teaching ability. At the same time, modern educational technology can also provide more training resources and training opportunities for college physical education teacher teams, promoting their continuous development and professional growth. Further research is needed to study the impact of modern educational technology on the construction of college physical education faculty. In this study, we mentioned the application of modern educational technology in the training of college physical education teachers, but the specific impact of modern educational technology on the construction of college physical education teachers needs to be further explored. The specific application of modern educational technology in the training process can be analysed by researching the training of college physical education teachers and assessing its impact on the construction of teachers.

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