

## Application Practice of Artificial Intelligence Education Platform

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*Abstract: The application of artificial intelligence education platform includes intelligent classroom management, intelligent homework correction, and intelligent performance analysis. Through the artificial intelligence education platform, we can better track the enhancement of students' knowledge and the accumulation of wisdom. Therefore, using the artificial intelligence education platform in the teaching process, especially implementing the comprehensive intelligence evaluation system, can better improve the teaching effect and promote quality education.*

*Keywords: Artificial intelligence teaching platform innovation application.*

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### 1. INTRODUCTION

In the teaching process, it is important to measure the knowledge and wisdom of students' comprehensive quality and assess the teaching effect of teachers. With the continuous development of educational technology, it is increasingly necessary to pay attention to students' personality differences and knowledge literacy and other factors. The application of artificial intelligence education platform and the construction of evaluation system indicators for students' evaluation are conducive to promoting the cultivation of students' comprehensive quality and promoting teaching and learning.[1-2]

### 2. PLATFORM CONNOTATION

The artificial intelligence education platform is a multi-functional teaching platform formed in many aspects, such as students' innovative teaching, knowledge inspiration and excitement[3-5]. It is mainly applicable to intelligent management, intelligent correction of homework, intelligent analysis of achievements, etc. in the teaching process, as well as subject research conducted by teachers in the experimental process. It focuses on meeting students' needs in many aspects, such as hands-on training, participation in practice, cooperation and communication. In the teaching process, Through the artificial intelligence education platform, teachers can effectively realize the diversification of teaching content, break the traditional teaching method that only relies on multimedia courseware, and effectively achieve teaching interaction and improve teaching quality with the help of the platform's multi-function application. In the teaching process of applying the artificial intelligence education platform, we pay attention to the influence on students' knowledge understanding, skill

mastery, hands-on practice, innovative thinking formation and other aspects, and conduct accurate teaching guidance around students' interests, hobbies, moral cultivation, behavior habits and other aspects of assessment indicators. Combined with the analysis of students' academic performance, physical fitness, new knowledge acceptance ability, moral cultivation, interest cultivation, etc., through the modern information means and methods of the AI teaching platform, we can conduct data analysis on students' performance in different periods of learning, and form an objective evaluation from many aspects, such as morality, intelligence, physical fitness, beauty and labor, through the backstage human intelligence algorithm, to comprehensively reflect the overall situation of learners' growth. The artificial intelligence education platform, with learners as the main body, takes full account of various factors, including school factors, social and family factors. Starting from the learners' self analysis ability, perception ability, innovative thinking, hobbies and other conditions, it constructs a comprehensive teaching approach, and quantifies students' emotional attitude, knowledge understanding, reading aloud emotions, psychological needs, thinking breakthroughs, learning initiatives, etc, Form scientific and effective teaching methods.

### **3. OVERALL ROLE OF AI EDUCATION PLATFORM**

Create situations and conduct interactive interest guidance. The building of AI teaching platform can effectively overcome the traditional teaching mode, especially in the application of situational interaction mode.[6-7] For students' knowledge perception, mind mapping methods, information and monitoring technologies, and the analysis of learners' learning and growth in the form of data, teachers can adopt a dynamic interest guidance mode, Integrate the comprehensive functions of the AI platform with the situational environment, cultivate students' interest in learning, focus on key and difficult points, make teachers pay more attention to the design of teaching continuity, and enable learners to form a deep impression on each important node of knowledge through demonstration, imitation, dynamic design, etc. Through the intelligent chart generation function of the artificial intelligence platform, it can open the learners' thinking of combining numbers and shapes, enable students to build a bridge between rational thinking, image thinking and abstract thinking in various algebra and geometry learning, cultivate learners' guidance in personal thinking, and form a systematic knowledge. Through the artificial intelligence education platform, learners can be better guided to carry out hands-on practice and solve problems arising from the operation process of students. For example, when students learn knowledge about trigonometric functions, students can think about tangent and cotangent on the basis of learning sine and cosine, deeply understand the connotation of trigonometric functions, etc., and show different assignments through the artificial intelligence network, learn from each other, and cultivate students' interest in exploration.

### **4. APPLICATION PLATFORM**

Through the artificial intelligence education platform, we can integrate the life oriented interesting situational teaching to create a more relaxed learning atmosphere, which is more conducive to improving the individual learning effect of learners. For example, in the teaching of literature courses, through the multi environment provided by artificial intelligence, combined with the development of multi-cultural, integrated with teaching methods closely related to life, adopted a variety of

interesting situational teaching atmosphere, found out the common ground of the combination of learners' personalized learning and local cultural characteristics, and carried out social questionnaires, language salons, open essay solicitations, characteristic cultural exploration and other activities, Cultivate learners' thinking ability, and organize language associations, various associations, etc., to carry out debate contests, reading activities, social practice activities, etc., so that learners can enhance their language expression ability, collaboration ability, innovative thinking ability, etc., and strengthen the use of language knowledge through virtual life scenes in the learning process. Through the artificial intelligence platform, teachers combine the comprehensive evaluation data provided by the background with data analysis to form an objective evaluation of learners' learning styles. According to learners' personality differences and different learning effects, a variety of learning activities are preset so that all members of the learning group can fully learn the knowledge taught. Through a series of questions generated in the background of artificial intelligence, learners can be organized to discuss problems, interact with members, debate, relay, role play, etc. for cooperative learning. For example, in the process of foreign language teaching, teachers and learners learn the selected articles together, get familiar with the creation background, complete the arrangement, and let learners better understand and master the common sentence patterns, scene application, and some cultural customs of foreign languages through drama performance in class, so as to stimulate students' interest in foreign language learning. Through the data collected after the artificial intelligence platform, the method of combining process evaluation with result evaluation, and the intelligent evaluation method of combining qualitative evaluation with quantitative evaluation, are used to conduct an objective and effective guiding evaluation.

## 5. CONCLUSION

With the application of artificial intelligence in teaching, more and more schools have started to adopt artificial intelligence education platforms to cultivate students' personality, which is conducive to improving the teaching effect and providing better guarantee for the comprehensive development of learners in the future.

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