

Research on Innovative Paths for Enhancing College Student Education Management through Precision Thinking

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ABSTRACT

Precision thinking is a significant driving force for educational innovation and holds great importance for improving college student education management. This paper aims to explore the practice of promoting college student education management through precision thinking. By analyzing the current status of college student education management, it proposes innovative paths including precise identification, precise policy implementation, precise provisioning, precise feedback, and precise empowerment, aiming to effectively enhance the scientific and standardized levels of student education management services and lay a solid foundation for cultivating high-quality talents.

KEYWORDS

Precision Thinking; Colleges and Universities; Student Education Management; Innovative Paths

College student education management is a crucial component of higher education, which is related to the quality of talent cultivation and the future development of the country. Along with the impact of digital waves, rapid economic and social development, and the popularization of higher education, college student education management faces issues such as traditionalized education management models, homogenized education management content, and simplified education management methods. These issues constrain the effectiveness of student education management. Riding the digital transformation wave in the education realm, precision thinking is an important way of thinking and a crucial engine for driving innovation within current college education management system. Introducing precision thinking into college student education management and exploring its innovative paths are of great significance for improving the quality of college education management.

1 Application of Precision Thinking in College Student Education Management 1.1

Connotation and Characteristics of Precision Thinking Precision thinking is a scientific way of thinking characterized by meticulous accuracy and practical results, following the laws of cognition and grasping the essence of things. Precision thinking emphasizes that educators should build connection with and care for the students, with the goal of accurately understanding students' personality traits, ideological dynamics, and actual desires. Characteristics of precision thinking are reflected in the following aspects:

Epochal. In the context of educational digitization, precision thinking requires college student education management system to perform precise analysis and utilization of data in order to accurately understand students' educational needs. Through refined management and

personalized services, it optimizes the allocation of educational resources, enhances the scientificity and effectiveness of educational decision-making, and stay adaptive to progressive society needs.

Pertinence. Precision thinking requires accurately understanding the core of the problem and drawing accurate conclusions through analysis, induction, and other methods. In student education management, it is necessary to precisely identify, analyze, and conclude on specific issues based on students' specific issues and present circumstances, then implement targeted college student education management effort to enhance educational effectiveness.

Diversity. "Precision" represents finesse and accuracy, which means, in student management, emphasis of proceeding from reality, respect of students' subjectivity, and recognition of students' differences and diversity. Students are unique individuals with independent personalities that continuously evolve. Targeted measures should be taken for different individuals and personalities, and precise and individualized teaching methods should be used.

Effectiveness. Applying precision thinking can significantly enhance the effectiveness of the student management. By analyzing students' data in detail, accurately identifying students' needs and problems, and formulating personalized education plans, it effectively promotes students' overall development and improves the quality and efficiency of education management system.

1.2 Benefits of Applying Precision Thinking in College Student Education Management

Accurately pinpointing real needs. Precision thinking requires educators to conduct detailed and in-depth analyses of the practical needs of education management. With the support of continuous development of digital tools in education space, applying precision thinking to college education management can provide new ideas for education management practices, allowing deeper issues of students to fully emerge. By building feedback loops between identified problems and informed decisions, it helps college educators build a diversified education management practice system driven by student needs, which also lays a solid foundation for continued advancement of college student education management and improvement of long-term effectiveness.

Clarifying educational management goals. Precision thinking emphasizes the accuracy, pertinence, and phased nature of goals, which is crucial for college educators in education management practices. Clarifying educational goals not only provides clear expectation and evaluation benchmarks for education management, but also helps educators more effectively plan and implement educational programs, ensuring educational activities carried out in sensible orders. Integration of diversified goals provides scientific basis and solid framework for college education management.

Alleviating structural contradictions in education management. In college education management, issues such as uneven faculty structure and limited course formats may arise. Applying precision thinking requires detailed analysis of each aspect of education management to accurately identify and effectively solve these structural contradictions. By implementing targeted measures such as optimizing faculty allocation and reasonably adjusting course settings, it can effectively alleviate structural challenges in education management, thereby enhancing educational quality and overall benefits.

Meeting students' individualized development needs. Precision thinking actively advocates individualized teaching, focusing on the individual differences and growth needs of each student. By comprehensively and deeply understanding students' interests, learning progress, and career planning, educators can tailor educational resources and support systems that better align with their growth trajectories. This highly individualized education management mode not only greatly stimulates students' intrinsic learning motivation and creativity but also promotes their comprehensive development in various aspects.

2 Current Status Analysis of College Student Education Management

2.1 Traditionalized Education Management Models

The traditionalization of education management models is mainly reflected in the inertial use of traditional management models. Precise student education management methods are conducive to promoting two-way interaction between college teachers and students. The management models and institutional mechanisms formed during the long-term development of colleges and universities have stability and continuity. However, with the changes in the times and the educational environment, some traditional education management models are difficult to adapt to the rapidly changing society and meet the diversified needs of current students. Meanwhile, college student education management involves multiple departments and various connecting systems. Traditional management methods are overly relying on manpower and lacking the support of information technology, which makes the management process cumbersome and reduces efficiency.

2.2 Homogenized Education Management Content

The homogenization of education management content is mainly reflected in the lack of differences and uniqueness in educational goals, content, teaching methods, and evaluation systems. The "student-centered" educational concept requires colleges and universities to place students at the core of school education and management, advocate the integration of subjectivity and dominance, emphasize highlighting students' subjectivity, encourage educators to pay more attention to students' learning experiences and need satisfaction in the process of education management, and cultivate students' creativity, critical thinking, and problem-solving abilities. College students come from different growth environments and have different hobbies and habits. They also have strong ability to accept new things. Some colleges and universities lack innovation and uniqueness in the curriculum settings of student education management.

2.3 Simplified Education Management Methods

The simplification of education management methods is mainly reflected in the excessive reliance on specific management methods in the education management process. As a link between educators and educates, education management methods play a crucial role in promoting the effective functioning of various elements. Especially in college student education management, the appropriateness of methods is directly impacting whether a positive interactive communication mode between teachers and students can be established. Currently, some colleges and universities often focus on institutional management in student education management practices, ignoring policy incentives or emphasizing theoretical input while neglecting humanistic care, which limits the flexibility and innovation of education management and deviates from the thinking orientation of precise management.

3 Innovative Paths for College Student Education Management from the Perspective of Precision Thinking

3.1 Precise Identification: Constructing a Digital Education Management System

Colleges and universities should actively explore new models and methods that align with current realities to improve management efficiency and flexibility. College education managers

should fully recognize the advantages of information technology, integrate intra-school information platforms, and build a digital and intelligent education management model to achieve centralized management and real-time updates of student information. Deeply mine and analyze data in student education management to improve educational quality and efficiency. At the same time, by establishing and improving a student management information system, precise portraits of students' basic information, academic information, reward and punishment records, mental health, etc., can be achieved. Relying on online classrooms and other methods, it provides students with diverse and high-quality learning resources and educational services.

3.2 Precise Policy Implementation: Providing Personalized Educational Services

Colleges and universities should always adhere to a student-oriented service consciousness, optimize educational content in combination with social needs and development trends, and provide students with distinctive services. Based on precise portraits of students, predict students' learning needs and development trends, and provide "tailor-made" education management services to meet students' growth needs. By establishing personalized and dynamic growth files that record students' basic information, academic performance, mental health status, interests, career planning, etc., it provides a basis for college educators to comprehensively understand students and timely adjust education management strategies. Establish an online one-stop service hall to provide students with comprehensive service handling, improving work efficiency. By highlighting the function of management and education, the core goal of precise education is achieved.

3.3 Precision Supply: Producing Diversified Online Products

Universities should continuously strengthen their online education management, leveraging intelligent algorithm technology to conduct statistics, analysis, interpretation, and trend forecasting of the audience's online behavior. Based on individual characteristics, corresponding content should be recommended to make online education management more targeted. With precise understanding of student needs as the core, different types and styles of online works should be created according to the personalized needs of different audiences, enhancing their attractiveness, affinity, appeal, and outreach, thereby promoting the formation of a good online education ecosystem. Using precise tracking and feedback as a starting point, universities should empower the precise evaluation and innovative iteration of online works. By dynamically collecting audience feedback through intelligent algorithms, conducting visual comparisons and quantitative analysis, precise evaluation results can be formed, and targeted adjustments and improvements can be made to ensure the long-term effectiveness of precision online supply. Through deep integration with big data technology, a strong foundation for online education management can be established.

3.4 Precision Feedback: Establishing a Diversified Evaluation System

Universities should establish a comprehensive and diversified evaluation system to provide an important basis for improving the effectiveness of education management. By setting up a scientific and reasonable evaluation index system, a comprehensive and objective evaluation of students' academic performance, practical skills, social responsibility, innovation ability, teamwork spirit, psychological quality, and other aspects can be conducted. By introducing various evaluation methods, such as course assignments, project performance, experimental reports, social practice activities, peer evaluations, and self-reflection, a comprehensive assessment of students' learning and development can be achieved. At the same time, an online evaluation system should be built

using information technology to enable automated scoring and data analysis, improving the accuracy and fairness of evaluations.

3.5 Precision Empowerment: Enhancing Digital Literacy of Administrators

Universities should continuously strengthen the construction of their educational workforce, particularly in enhancing their digital literacy. Currently, improving the digital literacy of educators is a key factor in achieving educational goals. Digital literacy not only includes the ability to recognize, collect, and acquire digital information at the technical level, but also encompasses the ability to analyze, communicate, and evaluate data. It further involves values, ways of thinking, and behavior patterns. Universities should actively promote the integrated development of precision thinking and digital literacy cultivation among educators, enhancing their data analysis, decision-making, and innovation abilities through enriched digital learning experiences and digital literacy training, in order to adapt to the requirements of education management under precision thinking.

The effective application of precision thinking in college student education management can provide new ideas and methods for the work. By constructing a digital education management system, providing personalized educational services, producing diversified online products, establishing a diversified evaluation system, and enhancing the digital literacy of administrators, the problems and challenges faced by current educational management can be effectively addressed, promoting the comprehensive development of students.

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