

Research on the Influence of Artificial Intelligence on Ideological and Political Education in the New Era

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Abstract: This study aims to explore the dual impact of artificial intelligence on ideological and political education in the new era and solve the dilemmas of traditional educational models. Adopting literature research and comparative analysis methods, this paper sorts out the integration logic between artificial intelligence technology and ideological and political education. It systematically analyzes the empowering value and potential risks brought by intelligent technology to educational modes, teaching carriers and educational effects. The research finds that artificial intelligence optimizes personalized education, but also brings challenges such as educational alienation. Corresponding optimization strategies are proposed to promote the intelligent and high-quality development of ideological and political education.

Keywords: Artificial Intelligence; New Era; Ideological and Political Education; Educational Optimization

1. Introduction

1.1 Research Background and Research Significance

Blending intelligent technology into ideological teaching scenarios delivers substantial practical value for modern educational upgrading. Widespread social digital transformation compels traditional ideological teaching systems to break rigid instructional boundaries and adapt to evolving digital educational trends. Technical assistance effectively offsets the monotony inherent in conventional offline classroom teaching, broadens the coverage of value-oriented educational practices, and strengthens the compatibility between curriculum content and individual learner characteristics. Academically, interdisciplinary research integrating intelligent technology and ideological education remains underdeveloped.

In-depth exploration of technology-driven ideological teaching reform can enrich the theoretical connotation of educational digitalization, offering credible academic references for subsequent cross-domain educational research.

1.2 Domestic and Foreign Research Review

Continuous technological iteration and industrial popularization of digital intelligence have restructured core operational logics across diverse social sectors. The global education industry has embraced pervasive adoption of artificial intelligence, deep learning and big data mining tools, triggering profound structural reforms within modern educational systems. As an indispensable component of holistic education, ideological and political education undertakes critical social missions to shape individual value cognition, standardize daily behavioral norms and consolidate stable social ideological consensus. Traditional instructional frameworks relying on fixed curriculum settings and passive offline knowledge indoctrination struggle to accommodate diversified cognitive traits and personalized ideological demands among contemporary young learners. The rapid evolution of generative artificial intelligence and portable intelligent teaching terminals delivers novel technical carriers and innovative developmental directions to renovate outdated ideological teaching practices.

Foreign academic communities have long committed to exploring intelligent technology applications in educational practices. Most existing overseas studies prioritize intelligent teaching system construction, personalized learning algorithm optimization and educational data mining implementation. Empirical research outcomes confirm that artificial intelligence-based user profiling and real-time learning trajectory tracking support refined learner management, optimizing teaching pertinence and educational resource utilization. However, overseas research predominantly focuses on

general academic course instruction. Few studies target value-oriented ideological education scenarios, while ethical risks and developmental dilemmas stemming from technical intervention in human-centric value cultivation are rarely discussed.

Supported by national digital education policies, domestic academic research on intelligent ideological education has achieved steady developmental progress. Current domestic literature summarizes practical applications of intelligent tools in classroom instruction, student ideological dynamic monitoring and digital teaching resource development. Empirical evidence demonstrates that intelligent technology overcomes temporal and spatial constraints limiting traditional ideological teaching and revitalizes dull classroom learning atmospheres. Several academic projects have identified latent drawbacks of excessive intelligent equipment dependence, including diminished teacher subjectivity and standardized, homogenized educational content output. Even with continuous research accumulation, domestic studies lack systematic theoretical frameworks and targeted practical optimization schemes suitable for modern ideological education development.

1.3 Research Ideas, Methods and Innovations

This study collates extensive domestic and foreign academic literature to clarify core conceptual definitions and fundamental theoretical frameworks governing intelligent ideological education development. Through analyzing real-world implementation of artificial intelligence in modern ideological teaching scenarios, this paper objectively evaluates the practical advantages and latent risks brought by intelligent technological intervention. Customized optimization strategies are formulated to resolve prevalent practical dilemmas, establishing a complete research paradigm covering theoretical sorting, practical status assessment and developmental path design. Literature review and comparative analysis constitute the primary methodological approaches adopted in this research. Comprehensive academic materials focusing on intelligent educational application and modern ideological teaching reform are collected and systematically categorized to consolidate solid theoretical foundations for follow-up analytical discussions. Comparative assessment between

traditional offline teaching frameworks and modern intelligent teaching models is implemented to summarize unique developmental strengths and persistent deficiencies of technology-assisted ideological education.

This research possesses two distinct academic innovations compared with existing literature. It constructs a multi-layered analytical framework integrating technical attribute evaluation, educational connotation interpretation and interactive mechanism exploration, enabling holistic assessment of artificial intelligence's bidirectional impacts on ideological teaching practices. Furthermore, the proposed developmental optimization paths fully address unaddressed gaps in current intelligent education supervision systems and insufficient teacher digital literacy, significantly improving the practical feasibility and applicability of relevant academic conclusions.

2. Relevant Concepts and Theoretical Foundations

2.1 Concept Definition and Technical Characteristics of Artificial Intelligence

Artificial intelligence represents a sophisticated interdisciplinary technical system combining computer algorithms, data statistics and cognitive theories, which simulates human thinking logics, behavioral judgment standards and autonomous learning capacities via structured computing models and big data frameworks. Modern applied artificial intelligence is vastly different from early-stage mechanical simulation technology. Powered by deep learning and generative algorithm systems, contemporary intelligent technology supports autonomous iterative upgrading, adaptive scenario matching and independent decision-making within specialized educational contexts. Three core technical attributes render artificial intelligence highly adaptable to modern educational iteration, including multi-dimensional data mining capacity, adaptive personalized matching functions and real-time human-computer interaction mechanisms. Intelligent terminals and algorithm platforms capture diversified behavioral data generated throughout learner studying processes, covering learning habit preferences, content acceptance levels and instantaneous classroom feedback. In-depth data analysis assists educators in grasping

individual learning conditions and subtle fluctuations in students' ideological cognition. Intelligent teaching systems adjust curriculum difficulty and content presentation modes based on personalized user portraits, breaking the rigid unified teaching standards dominating traditional offline classrooms. Dynamic human-computer interaction also supports flexible teaching scheme adjustment to fit variable educational scenarios.

2.2 Connotation and Characteristics of Ideological and Political Education in the New Era

Modern ideological and political education refers to standardized systematic value cultivation practices tailored to contemporary social developmental demands. It undertakes foundational educational responsibilities to shape scientific world outlooks, life philosophies and social value perceptions for young educated groups. Its instructional coverage includes social cognitive cultivation, moral literacy improvement, political awareness construction and social spiritual civilization development, collectively facilitating individual holistic growth and maintaining stable social ideological consensus.

Modern ideological teaching exhibits distinctive developmental characteristics different from conventional instructional modes. Current educational pursuits focus on synergistic development of knowledge acquisition and internal value shaping, rather than sheer theoretical knowledge indoctrination. Educational scenarios have expanded beyond physical offline classrooms to form integrated online and offline educational ecosystems. Modern young learners demonstrate prominent independent thinking capabilities and diverse personalized learning needs, requiring contemporary ideological education systems to maintain flexible developmental attributes while adhering to mainstream social core values.

2.3 Theoretical Support for Integration of Artificial Intelligence and Ideological Education

Humanistic educational theories constitute the core theoretical basis for the integration of intelligent technology and ideological education. Core propositions of modern humanistic education emphasize individualized learner development and student-centered instructional

philosophy. Artificial intelligence achieves personalized educational resource allocation and targeted instructional guidance through data analysis and algorithm matching, perfectly aligning with human-oriented educational essence. Technical supplementation effectively remedies the inability of unified traditional teaching modes to accommodate individual learner discrepancies.

Educational informatization theories underpin scenario integration between digital technology and ideological instruction. Comprehensive social digital transformation drives holistic informatization upgrades across the entire educational industry. Intelligent technology application represents an advanced developmental stage of educational informatization. Continuous iteration of information collection, processing and feedback technologies promotes structural optimization of ideological teaching systems, improving resource allocation efficiency and comprehensive educational output quality.

Technological ethics theories define normative application boundaries for integrated intelligent educational development. All educational technological tools serve core value cultivation objectives rather than demonstrative technical display. Professional ethical specifications restrain excessive technical instrumentalization within ideological teaching scenarios, avoiding value alienation caused by blind technical superposition. These normative theoretical constraints ensure intelligent equipment consistently acts as auxiliary instructional tools supporting fundamental ideological education goals.

3. Dual Influences of Artificial Intelligence on Ideological and Political Education in the New Era

3.1 Positive Empowerment Effect of Artificial Intelligence on Ideological and Political Education

Intelligent digital tools enrich diversified instructional carriers and expand scenario boundaries for modern ideological education. Traditional ideological teaching relies excessively on printed textbooks and offline teacher lectures, leading to monotonous and rigid content presentation forms. Modern intelligent terminals, virtual simulation systems and generative educational resources convert

abstract ideological theories into visualized, interactive and learner-friendly instructional content. Online intelligent teaching platforms break temporal and geographical limitations of offline classroom teaching, enabling continuous ideological value guidance during students' daily fragmented leisure time. Diversified scenario construction significantly enhances curriculum attractiveness and motivates autonomous learning initiatives among young learners.

Artificial intelligence delivers prominent optimization effects on traditional ideological teaching frameworks and greatly improves instructional accuracy. Rigid fixed curriculum designs and unified teaching schemes make conventional ideological instruction incapable of satisfying individualized learner demands. Intelligent teaching platforms accumulate multi-dimensional learning data and construct exclusive cognitive and ideological portraits for every student. Teaching content and classroom interactive modes can be dynamically adjusted according to personalized portrait features, realizing targeted value cultivation for diversified learner groups. Data-driven instructional judgment offsets subjective empirical biases prevalent in traditional teacher-centered evaluation mechanisms, reducing instructional deviation stemming from limited individual teaching experience.

Intelligent educational frameworks simplify repetitive instructional management procedures and facilitate cross-regional sharing of high-quality educational resources. Artificial intelligence undertakes mechanical repetitive work including student learning data statistics and instructional resource classification, freeing educators from trivial administrative tasks to concentrate on curriculum design and in-depth value transmission. Intelligent network platforms enable cross-regional connectivity of premium ideological teaching resources, alleviating educational resource disparities caused by unbalanced regional educational development levels.

3.2 Practical Challenges Brought by Artificial Intelligence to Ideological and Political Education

Technological intervention introduces non-negligible subject alienation risks to modern ideological teaching practices. Effective ideological value cultivation relies heavily on intimate interpersonal communication and

mutual value recognition between teachers and students. Sustained dependence on intelligent instructional equipment reduces face-to-face interactive opportunities in physical classrooms. Standardized algorithm-driven instructional guidance lacks the humanistic warmth and personalized emotional engagement unique to manual teaching practices. Over-reliance on intelligent tools weakens teachers' dominant guiding role in value shaping, driving ideological education toward excessive mechanization and instrumentalization.

Intelligent instructional scenarios also trigger latent risks related to data safety and value orientation deviation. Massive volumes of student learning records and ideological dynamic information require long-term systematic storage and algorithmic analysis. Defective data management frameworks may lead to private information leakage and improper data utilization. Open network environments accessed by intelligent platforms accommodate complex and diverse social ideological viewpoints. Non-standard algorithm screening and content pushing mechanisms may deliver biased ideological information, hindering positive value system formation among adolescent learner groups.

Uneven digital literacy levels among teachers and students hinder high-quality integration of intelligent technology and ideological education. A large number of frontline ideological educators lack proficient operational skills for emerging intelligent instructional devices and updated digital educational concepts, failing to fully leverage intelligent tools to optimize classroom instructional quality. Meanwhile, most student groups lack professional information discrimination capabilities. Fragmented and complicated online information may mislead their ideological judgment and result in biased cognitive formation.

4. Optimization Paths of Artificial Intelligence Empowering Ideological and Political Education in the New Era

4.1 Constructing Intelligent Ideological and Political Education System

Hierarchical and categorized intelligent educational resource libraries require sustained development and dynamic iterative updates. Basic theoretical materials, social hot issue interpretation resources and practical

instructional cases should be regularly sorted, supplemented and optimized. Upgraded pushing algorithms can provide differentiated resource combinations adaptive to students at diverse cognitive developmental stages. Multi-dimensional intelligent evaluation systems replace traditional single-index scoring modes, realizing comprehensive assessment of students' ideological cognition, moral literacy and overall instructional effectiveness through persistent data tracking.

Holistic system construction covering curriculum optimization, resource iteration and instructional evaluation is essential to improve modern intelligent ideological education frameworks. Educational institutions ought to optimize curriculum design schemes based on empirical student behavioral data analysis. Under the fundamental principle of adhering to mainstream core value guidance, instructional content matching students' cognitive levels and developmental requirements needs systematic screening and integration. Customized virtual simulation classrooms and interactive intelligent teaching platforms can be developed to expand multi-scenario instructional coverage.

4.2 Improving Teachers and Students' Artificial Intelligence Literacy and Educational Ability

Specialized systematic training mechanisms should be established to enhance educators' digital literacy and intelligent teaching proficiency. Targeted training programs covering intelligent device operation, educational data analysis and technological ethical specifications assist frontline teachers in mastering practical skills for intelligent tool application in curriculum design, classroom interaction and after-school guidance. Systematic training helps educators build rational technological cognition, regarding intelligent technology as auxiliary instructional tools rather than core educational subjects.

Systematic digital literacy cultivation for student groups is also indispensable. Educational institutions can organize regular network literacy seminars and ideological cognition guidance activities. These practical initiatives enhance students' information screening proficiency and independent critical thinking capacity in complex open network environments. Improved autonomous learning and value discrimination competencies prevent passive acceptance of

algorithm-recommended information, facilitating independent and positive individual value system construction.

4.3 Perfecting Supervision and Guarantee Mechanisms for Intelligent Ideological Education

Standardized supervision criteria for intelligent teaching platforms require targeted formulation and rigorous implementation. Access auditing standards for intelligent educational software and terminal devices need comprehensive upgrading. Real-time content monitoring and intelligent information screening mechanisms effectively filter biased ideological viewpoints and negative network information. Clear operational specifications for intelligent instructional systems prevent excessive technological intervention in independent ideological teaching practices.

5. Conclusion

Data security guarantee systems demand continuous optimization and iterative upgrading. Specialized management regulations targeting student learning data and ideological dynamic information should be formally formulated and implemented. Hierarchical authority control over data collection, storage and analysis procedures avoids private information leakage and unauthorized data usage. Updated encryption technology and risk early-warning mechanisms strengthen data operational safety and stability. Professional operation and maintenance teams provide long-term technical support for sustainable integrated development of artificial intelligence and ideological education.

Ongoing digital educational transformation promotes holistic structural upgrading of modern ideological and political education systems. Intelligent technological tools optimize outdated traditional instructional modes, enrich diversified educational carriers, and improve instructional precision and educational management efficiency. Nevertheless, technological intervention inevitably brings multiple latent challenges, including teacher-student subject alienation, data security loopholes and insufficient digital literacy across educational participants. High-quality development of intelligent ideological education relies on comprehensive systematic upgrades covering educational framework optimization, individual competency cultivation and

institutional guarantee improvement. Sustainable integration of artificial intelligence and ideological teaching practices accelerates modernization and intelligent transformation of contemporary ideological education, supporting stable and high-standard development of modern value cultivation systems.

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