

目 次

1	融合大数据与人工智能的工程教育精准教学与改进机制研究·····于志强 蒋作 谭学文	1
2	突破 AI 代写：计算机项目实践课程教学改革与思政建设·····乔文豹 于欣宜	9
3	融合隐私计算研发能力培养的密码学基础实验教学改革探索·····宁建廷 吴黎兵 冯琦 何德彪	18
4	产教融合下保研贯穿式培养模式创新与实践·····沈澍 黄苏岩 陈燕俐 沈奕	23
5	课程思政引领下的研究生前沿课程改革——以“信息安全技术”为例·····芦效峰 崔宝江 李小勇	28
6	与技术深度融合的思政建设——以“信息内容安全”为例·····李默涵 孙彦斌 白佳奇	33
7	数智赋能《大数据与云计算》课程教学创新与实践·····高竹 马文波 彭程 刘玮 孙平平	40
8	大模型驱动认知诊断的成绩预测与教学实践·····刘凡 崔金凤 吴铭 沈荣	49
9	计算思维导向的程序设计课程改革与实践·····郑珂 李博 詹英	56
10	深化产教融合优化应用型人才培养路径的思考·····郭媛 魏连锁 宋成杰 马吉权	62
11	融合人工智能的高校计算机专业课程体系化改革·····王哲 梁新宇 张桂芬 葛丽娜	68
12	案例-项目-实战：师生机协同构建教学闭环·····汪淼 钟娟 孙全玲 梁祥莹	73
13	数智化时代“大模型+”赋能的高校计算机类专业教学模式研究·····杨娟 贺禹鑫 韩光川	78
14	基于国产大模型线上线下辅助程序设计基础课程探索·····陈倩 陈婷婷	83
15	基于“人工智能与大模型导论”通识课程教学创新·····江敏 张墨璐 黄晓涛	88
16	基于 AIGC 与 BOPPPS 模式的中职《C 语言》课程教学路径探索·····刘海波 秦秋滢 程雁 张伟	93
17	面向 AI 创新人才培养的 NLP 课程教学改革与探索·····雷擎 杨向峰 李海峰	103
18	基于低代码的农业院校人工智能通识实践教学探讨·····于群 孙永香 周倩 周筑南	109
19	“导师-AI 大模型-研究生”三元交互式导学关系的探析·····张晗 贺雨 王兵书 王军华 路妍	115
20	大语言模型赋能电路课程混合式教学改革·····崔智勇 刘述民 吴珍	123
21	“双碳”目标下绿色算力人才培养的多学科融合路径探索·····更太加 金弟 雍玖 魏建国	127
22	基于 TPACK-1K 框架的中外合办 AI 课程改革研究·····柳宇 蔡欣华 刘雅君 金永泽 刘松	133
23	新工科背景下神经网络和深度学习课程建设与教改探索·····李大鹏 王永生 云静	139
24	大规模教学中算法理解浅表化的递进式路径探索·····邓红耀 宋秀丽	144
25	基于大模型技术的 MATLAB 程序设计课程教学实践研究·····王海军 郭松 金涛 王慧	150
26	双核驱动的地方院校大数据专业人才培养·····刘金华 徐牡莲 徐晓晖 李永明	156
27	人工智能背景下密码学新形态数字教材的建设思路·····侯红霞 任方 闵祥参	162
28	大数据赋能高校教学管理改革的路径探索与实践成效评估·····白志鹏 杜建业 年浩	169
29	一种面向研究生能力培养的课程智能体构建·····夏冰 张龙 徐子鉴 于佳鑫 刘建美	176
30	人工智能赋能教育教学的逻辑与路径研究·····汪普庆 万思敏	183
31	一种基于 AI 的智慧助残服务平台设计与实现·····陈向东 崔恒 王兵	187
32	生成式人工智能赋能高校数据库课程教学创新研究·····王金恒 钟姗姗 钟雪艳 孙冉 郑俊嫦	193
33	“三式多维”人工智能通识课思政融合模式探索与实施·····宋燕星 贺泽芳 李征 李慧妍	199
34	大数据技术课程：高校教学与企业需求的差异与融合路径·····乔静静 李孟军 李大社	205
35	创新创业与产赛融合的计算机专业实践育人模式研究·····丁才昌 柯灿 孙勇 李巧灵 万兴	211

36	碳限额与交易机制下考虑信用支付的库存模型研究·····	李忠辉 薛广明	217
37	基于 openEuler 的校园网 VPN 系统的设计与实现·····	谢富荣 林宁 左悦	223
38	面向学习交流的知识共享平台设计与实现·····	李文鑫 林宁 左悦	229
39	基于 OBE-CDIO 模式的“数据结构与算法”课程实践导向教学改革探索·····	李飞江 王婕婷 钱宇华	234
40	大模型时代编程基础课程的重构路径探索·····	张晓莹 孙荟哲 季燎原 祁鲁	239
41	“新工科”背景下人工智能教学的改革探索·····	覃福钿 李晶 杜晓辉 李小峰	244
42	《程序设计基础》课程思政示范课的建设与实践·····	李芳 万静 卢罡 马静	248
43	AIGC 在商务数据分析技能竞赛中的角色演变与教学改革路径研究·····	卢丽	254
44	基于总师育人文化的特色软件工程人才培养·····	金强国 范惺杰 郑江滨 严奔 郭培荣	260
45	人工智能赋能的高职院校计算机实验教学体系改革研究·····	郝璇 黄鲁新 王妍 钱玉霞	265
46	人工智能赋能的实验教学体系建设与实验案例设计·····	张焘 唐湘云 林怡静 康嘉文 孙庚	272
47	提升“两性一度”的计算机实验教学内容与方法改革探析·····	张正伟 李芬芬 金圣华 陈晓兵	278
48	AI 时代编程教育的范式转移：失语与重构·····	张琳琳 陈雪娟 张铭君	286
49	数智赋能的人工智能导论课程思政多维育人模式及案例·····	许莹 钟雄虎 周旭 肖德贵	293
50	区块链工程专业现状与人才培养思考·····	陈沅涛	297
51	AIGC 赋能幼儿园美术教学活动的行动研究·····	王天祯 尹国强 席林	304

Contents

1	Research on Precision Teaching and Improvement Mechanisms in Engineering Education Integrating Big Data and Artificial Intelligence.....	Zhiqiang Yu Zuo Jiang Xuewen Tan	1
2	Breaking Through AI-Generated Content: Teaching Reform and Ideological Education in Computer Project Practice Courses.....	Wen-Bao Qiao Xinyi Yu	9
3	Refining Educational Approaches in Cryptography to Foster Skills in Privacy Computing Research and Development.....	Jianting Ning Libing Wu Qi Feng Debiao He	18
4	Innovation and Practice of the Penetrating Postgraduate Recommendation Training Model under the Integration of Industry and Education.....	ShenShu HuangSuyan ChenYanli ShenYi	23
5	Reforming Advanced Graduate Courses Under the Guidance of Ideological and Political Education: The Case of "Information Security Technology".....	Xiaofeng Lu Baojiang Cui Xiaoyong Li	28
6	The Deep Integration of Ideological and Political Education with Technical Instruction: A Case Study of "Information Content Security".....	Mohan Li Yanbin Sun Jiaqi Bai	33
7	Empowering Teaching Innovation in the Course of Big Data and Cloud Computing with Digital Intelligence.....	Zhu Gao Wenbo Ma Cheng Peng Wei Liu Pingping Sun	40
8	Performance Prediction and Teaching Practice of Cognitive Diagnosis Driven by Large Model.....	Fan Liu Jinfeng Cui Ming Wu Rong Shen	49
9	Reform and Practice of Programming Courses Oriented by Computational Thinking.....	ZHENG Ke Li Bo ZHAN Ying	56
10	Reflections on Deepening Industry-Education Integration to Optimize Applied Talent Cultivation Pathways.....	Yuan Guo Liansuo Wei Chengjie Song Jiquan Ma	62
11	Artificial Intelligence Integrated Curriculum System Reform in Computer Programs at Higher Education Institutions.....	Zhe Wang Xinyu Liang Guifen Zhang Lina Ge	68
12	Case-Project-Practice: A Faculty-Student-Machine Triad for a Pedagogical Cycle.....	Miao Wang Juan Zhong Quanling Sun Xiangying Liang	73
13	Research on the Teaching Mode of Computer Science Majors in Universities Empowered by "Large Language Model+" in the Digital Age.....	Juan Yang Yuxin He Guangchuan Han	78
14	Exploration of Program Design Foundation Courses Assisted by Online and Offline Resources Based on the Domestic Large Model Paddle-Paddle Platform.....	Qian Chen Tingting Chen	83
15	Teaching Innovation in the General Education Course "Introduction to Artificial Intelligence and Large Models".....	Jiang Min Zhang Zhaolu Huang Xiaotao	88
16	Exploring Personalized Teaching Pathways for Vocational C Language Education Based on the Deep Integration of AIGC and BOPPPS.....	LIU Haibo QIN Qiuying CHENG Yan ZHANG Wei	93
17	Teaching Reform and Exploration of NLP Courses for Cultivating AI Innovative Talents.....	Qing Lei Xiangfeng Yang Haifeng Li	103
18	Exploring AI General Education Practice in Agricultural Universities through Low-Code Approaches...	Qun Yu Yongxiang Sun Qian Zhou Zhunan Zhou	109
19	Construction and Exploration of the Ternary Interactive Supervisor-Postgraduate Relationship of "Supervisor-AI Large Model-Postgraduate Student" in the Intelligent Era.....	Han Zhang Yu He Bingshu Wang Junhua Wang Yan Lu	115
20	Leveraging Large Language Models to Advance the Blended Learning Reform in Circuit Course.....	Zhiyong Cui Shumin Liu Zhen Wu	123
21	Exploring Multidisciplinary Integration Paths for Talent Cultivation in Green Computing Power under the "Dual Carbon" Goals.....	Kuntharrgyal Khysru Di Jin Jiu Yong Jianguo Wei	127
22	Teaching Research on Chinese-Foreign Cooperative Education in AI Courses Based on the TPACK-IK Framework.....	Liu Yu Cai Xinhua Liu Yajun Jing Yongze Liu Song	133
23	Exploration of Curriculum Construction and Teaching Reform for Neural Networks and Deep Learning under the Background of Emerging Engineering Education...Dapeng Li Yongsheng Wang Jing Yun		139
24	Exploring a Progressive Pathway to Address the Superficial Understanding of Algorithms in Large-Scale Teaching.....	Hongyao Deng Xiuli Song	144

25	Research on the Teaching Practice of MATLAB Programming Course Based on Large Model Technology.....	Wang Haijun Guo Song Jin Tao Wang Hui	150
26	Cultivation of Big Data Professionals in Local Universities under a Dual-Core Driving Mechanism.....	Liu Jinhua Xu Mulian Xu Xiaohui Li Yongming	156
27	Construction Ideas for New Forms of Cryptography Digital Textbooks under The Background of Artificial Intelligence.....	Hongxia Hou Fang Ren Xiangshen Min	162
28	Exploring Paths and Evaluating the Effectiveness of Big Data Empowering University Teaching Management Reform.....	BAI Zhipeng DU Jianye NIAN Hao	169
29	Construction of a Course Agent Oriented Towards Graduate Student Ability Cultivation.....	Bing Xia Long Zhang Zijian Xu Jiaxin Yu Jianmei Liu	176
30	Research on the Logic and Path of Empowering Education and Teaching with Artificial Intelligence.....	Wang Puqing Wan Simin	183
31	Design and Implementation of a Smart Disability AssistanceService Platform Based on AI.....	Chen Xiangdong Cui Heng Wang Bing	187
32	Research on the Innovative Teaching of University Database Courses Empowered by Generative Artificial Intelligence.....	Jinheng Wang Shanna Zhong Xueyan Zhong Ran Sun Junchang Zheng	193
33	"Tri-Modal, Multi-Dimensional": Exploration andImplementation of Ideological and Political Construction Mode ofArtificial Intelligence Literacy Course.....	Yanxing SONG Zefang HE Zheng LI and Huiyan LI	199
34	Big Data Technology Course: Discrepancies and Integration Pathways Between University Teaching and Enterprise Needs.....	Qiao Jingjing Li Mengjun Li Dashe	205
35	Research on Practice Education Model of Computer Major Integrating Innovation, Entrepreneurship and Industry-Competition.....	Ding Caichang Ke Can Sun Yong Li Qiaoling Wan Xing	211
36	Research on Inventory Model with Trade Credit under Carbon Cap and Trade Mechanism.....	Li Zhonghui Xue Guangming	217
37	The Design and Implementation of Campus Network VPN System Based on openEuler.....	Xie FuRong LinNing ZuoYue	223
38	Design and Implementation of a Knowledge Sharing Platform for Learning and Communication.....	LiWenXin LinNing ZuoYue	229
39	Exploration of Practice-Oriented Teaching Reform for the “Data Structures and Algorithms” Course Based on the OBE-CDIO Model.....	Li Feijiang Wang Jieting Qian Yuhua	234
40	Exploring the Restructuring Path of Programming Foundation Courses in the Era of Large Models.....	Zhang Xiaoying Sun Huizhe Ji Liaoyuan Qi Lu	239
41	Reform and Exploration of Artificial Intelligence Teaching Under the Background of "Emerging Engineering Education".....	Qin Fudian Li Jing Du Xiaohui Li Xiaofeng	244
42	On the Development and Practice of an Ideological and Political Demonstration Course for "Fundamentals of Programming".....	Li Fang Wan Jing Lu Gang Ma Jing	248
43	The Evolution of AIGC's Role in the Business Data Analysis Skills Competition and the Research on the Teaching Reform Path.....	Lu Li	254
44	Characteristic Model of Software Engineering Talent Cultivation Based on Chief Engineer Education Culture.....	Qiangguo Jin Xingjie Fan Jiangbin Zheng Ben Yan Peirong Guo	260
45	Research on the Reform of the Computer Experimental Teaching System in AI-Empowered Higher Vocational Colleges.....	Hao Xuan Huang Luxin Wang Yan Qian Yuxia	265
46	Building an AI-Empowered Experimental Teaching System and Designing Experimental Cases.....	Tao Zhang Xiangyun Tang Yijing Lin Jiawen Kang Geng Sun	272
47	Exploring the Reform of Computer Experiment Teaching Content and Methods to Enhance “Two Qualities and One Degree”.....	Zhang Zhengwei Li Fenfen Jin Shenghua Chen Xiaobing	278
48	The Paradigm Shift in Programming Education in the AI Era: Loss of Voice and Reconstruction.....	Zhang Linlin Chen Xuejuan Zhang Mingjun	286
49	Digital Intelligence Empowered Multi-dimensional Course Ideology and Politics Education Model and Case Study in Introduction to Artificial Intelligence Course.....	Ying Xu Xionghu Zhong Xu Zhou Degui Xiao	293
50	Current Status of Blockchain Engineering and Reflections on Talent Cultivation.....	Yuantao Chen	297
51	Action Research on AIGC Empowerment in Kindergarten Art Teaching.....	Tianyi Wang Guoqiang Yin Lin Xi	304