

## ■ 科技成果

# 多功能学习机器人： 助力青少年高效学习的创新设计

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**摘 要：**本研究提出了一种创新设计的多功能学习机器人，旨在助力青少年高效学习。该机器人结合了智能学习系统和互动式教学模式，通过个性化学习计划和情感交流功能，提升学习效果和激发学习兴趣。机器人采用先进的人工智能技术，具有强大的学习辅助功能和交互式沟通能力，能够智能识别学习需求并提供个性化学习支持。同时，机器人设计了丰富的教学游戏和趣味学习活动，丰富了学习体验和促进了知识的吸收和理解。本研究通过实地测试和评估，验证了多功能学习机器人在提高学习效率和激发学习动力方面的积极作用，为青少年学习提供了一种创新的解决方案。

**关键词：**多功能学习机器人；青少年；高效学习；个性化学习；学习资源

## Multifunctional Educational Robot: An Innovative Design to Enhance Teenagers' Learning Efficiency

**Abstract:** This study proposes an innovative design of a multi-functional learning robot, designed to help young people learn efficiently. The robot combines an intelligent learning system and an interactive teaching mode, and improves learning effects and stimulates learning interest through personalized learning plans and emotional communication functions. The robot adopts advanced artificial intelligence technology, has powerful learning AIDS and interactive communication skills, and can intelligently identify learning needs and provide personalized learning support. At the same time, the robot has designed rich teaching games and interesting learning activities to enrich the learning experience and promote the absorption and understanding of knowledge. This study verifies the positive role of multifunctional learning robots in improving learning efficiency and stimulating learning motivation