

# **The construction and practice of an international, diversified, and intelligent cultivating system for innovative talents in automation majors**

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## **Abstract**

As one of the four disruptive technologies in the 21st century, automation has a huge impact on economic and social development and has great future prospects. The new round of scientific and technological revolution and industrial transformation with artificial intelligence as an important driving force has put forward higher goals and requirements for the cultivation of innovative talents, and the development of automation profession is facing greater challenges in the future. School of Control Science and Engineering of Shandong University focuses on "internationalization of professional construction", "diversification of talent cultivating" and "intelligent curriculum system". A unique cultivating model was constructed and formed for new engineering talents in automation majors with the characteristics of Shandong University. It has achieved remarkable results and has been well received by the industry and is known as the "Shanda model". In the past 12 years, it has won the second prize of national teaching achievements for three consecutive years as an independent completion unit. This report focuses on the development process of "internationalization", "diversification" and "intelligence" of automation majors in Shandong University, and discusses the precipitation process and summary experience of national teaching achievements.



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