Hong Kong Polytechnic University lays focus on robotics education in healthcare

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Introducing smart delivery system for fostering co-creation and innovation

The Hong Kong Polytechnic University (PolyU) has joined hands with China-based startup Hai Robotics, to officially launch the cutting-edge Smart Delivery System in its new Artificial Intelligence and Robotics Lab (AIR Lab) at the University's Industrial Centre. The Smart Delivery System aims to strengthen PolyU's robotics education and encourage co-creation and innovation among students and researchers.

The AIR Lab is an innovative teaching and research platform, with a total area of 1,800 square metres. It is equipped with advanced robotic arms, robots, automatic guided vehicles, drones, as well as machine learning kits related to AI robotics and Industry 4.0. The Laboratory allows educators, students and researchers to explore various aspects of the emerging field of collaborative robotics, including application development, component fabrication, control system design, autonomous system development, and intelligent and AI algorithm design for robots.

The AIR Lab currently houses 15 PolyU project teams that focus on the use of AI and robotic technologies in areas such as healthcare, rehabilitation, sports technology, engineering, energy, computing, and sustainability.