

## **Appendix**

### **About the CUHK Jockey Club AI for the Future Project**

#### **Phase one:**

Funded by The Hong Kong Jockey Club Charities Trust, the CUHK Faculties of Engineering and Education brought together their extensive expertise to launch the CUHK Jockey Club AI for the Future Project in 2019 and promote the development of an AI education ecosystem. The project endeavours to create a comprehensive, innovative AI curriculum, enrich the AI knowledge of teachers, and build a sustainable AI education model with supporting infrastructure, opening a new chapter for Hong Kong's technology education. In phase one (2019-21), the project published the first-ever AI teaching and learning pack co-created by CUHK and six secondary schools, Artificial Intelligence Curriculum for Junior Secondary Students in Hong Kong – Teaching and Learning Pack, as well as arranging pilot teaching in 55 schools, engaging 12,000 students and providing technology education training to more than 400 teachers.

According to the evaluation report, over 90% of students agreed that their understanding of the importance of AI had been enhanced, while over 90% of teachers agreed they were competent in using the AI teaching resources developed by the project. The project received the Gold Award at The Hong Kong ICT Awards 2021: Smart People (Smart Education and Learning), a remarkable milestone to conclude phase one.

#### **Phase two:**

The project's phase two aspires to mainstream AI education throughout the secondary curriculum and further improve the sustainability of AI education, benefiting more students. In May 2022, the project started to recruit schools to participate in phase two and implement the enriched AI curriculum, starting from the 2022/23 academic year. The project has now successfully been expanded to 164 local secondary schools, accounting for about 40% of schools across Hong Kong. The ultimate goal of phase two is to introduce AI education to more than half of local secondary schools, or 238 of them, benefiting 72,000 students.

In addition to subjects such as AI ethics, AI technologies and real-life applications, AI and the future of work, phase two includes more up-to-date teaching samples and online experiments, as well as elements related to other topics, including AI and social sciences, AI and humanities and arts, and others, with the aim of bringing new inspiration to teachers and students. A new version of the CUHK-JC iCar, the University's popular AI-enabled robotic vehicle, will also be distributed to the participating schools to support classroom teaching, ensuring that it remains a centrepiece of the project. With extended functions connecting with sensors and motors, the advanced CUHK-JC iCar gives students greater flexibility to develop

their own innovative projects, such as smart gardens or homes. Phase two will also add the teacher AI knowledge enrichment scheme (TAKES) and the teaching competence evaluation and certificate system (TCECS) to provide teachers with more teaching support and stimulate new ideas for AI teaching.

The project is now recruiting more companions in AI education, and welcomes applications all year round. If any school is interested in joining the project, please visit the [project webpage](#) for more details.

A list of phase two participating schools and champion schools can be found at: <https://cuhkjc-aiforfuture.hk/index.php/en/about-us/>