

## Knowledge Exchange Funding Exercise 2022/23: Strategic Impact Scheme - List of Granted Projects

No.	Faculty / Units	Project Co-ordinator	Project Title	Strategic Theme(s)
1	Business & Economics	Professor Hei Wai TANG	Big-Data Analysis of Hong Kong's Industry 4.0 Opportunities and Challenges in the Greater Bay Area	Industry 4.0
2	Dentistry	Dr Yuxiong SU	Promoting HKU artificial intelligence-based web tool for oral cancer early detection in Nigeria	Health and Medical Technologies
3	Education	Dr Karen Man Kei CHAN	Swallowing Gym: Game-based swallowing exercise for post-COVID rehabilitation in older adults	Health and Medical Technologies
4	Education	Dr Peter COBB	International Public Education and Outreach for Digital and Sustainable Cultural Heritage	Green and Sustainable Energy; Use of IT in Education
5	Engineering	Dr Wilton Wai Tung FOK	Encourage Elderly and stroke patient to do exercise with AI mobile Apps	Health and Medical Technologies
6	Engineering	Professor George Guo Quan HUANG	n-Dimensional Blockchain Platform for ESG Reporting	Industry 4.0

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7	Engineering	Dr Edith Cheuk Han NGAI	Smart Water Detectives: Use of IT and Internet of Things (IoT) technologies to enhance awareness of water sustainability issues	Smart Cities; Use of IT in Education
8	Law	Ms Darcy Lynn DAVISON-ROBERTS	Legal Advice Programme for Grassroots Women Workers – Fair Work Clinic ("LAP")	Community Engagement for Governance and Law
9	Law	Ms Amanda WHITFORT	Wildlife Crime: Knowledge Transfer for Informed Prosecution and Sentencing in Asia	Community Engagement for Governance and Law
10	Medicine	Professor Fengming Spring KONG	Innovating the Technology in Cancer Prevention and Treatment: The Global View	Health and Medical Technologies
11	Medicine	Professor Christopher Kai Shun LEUNG	Deployment of a ROTA-based Screening Program for Prevention of Glaucoma Blindness	Health and Medical Technologies
12	Medicine	Dr Kris Yuet Wan LOK	Globalization improvement of maternal and child health: Transforming breastfeeding culture	Community Engagement for Governance and Law

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13	Science	Dr Jetty Chung Yung LEE	Food Waste to Good Taste: Tackling Food Security and Waste Through Innovation	Smart Cities; Food Security and Nutrition
14	Social Sciences	Professor Cecilia CHENG	Information Technology Application in Promoting Positive Education, Resilience, and Mental Wellness among Hong Kong Primary Students: A Gamification Approach	Use of IT in Education
15	Social Sciences	Professor Paul Siu Fai YIP	Wellbeing Guardian	Use of IT in Education
16	University Libraries	Dr Kam Ming KU	HKU COVID-19 Digital Archives	Health and Medical Technologies
17	University Museum and Art Gallery	Ms Elena Po Yi CHEUNG	ULearning Labs (ULL)	Use of IT in Education