

## Enhancement and Start-up Grant Scheme for Self-financing Post-secondary Education (ESGS)

### Summary of Approved Project

Part A – Basic Information	
<b>Project Title:</b>	Establishment of Applied Degree in Robotics and Automation Engineering
<b>Institution:</b>	Hong Kong Metropolitan University
<b>Approved Grant (in million):</b>	38.9
<b>Round of applications:</b>	2023/24
<b>Designated Project Period:</b>	January 2025 to December 2028
<b>Title of Programme(s) to be launched:</b>	Bachelor of Applied Science with Honours in Robotics and Automation Engineering
Part B – Project Summary	
<p>In the 2024-25 Budget, artificial intelligence (AI), as an important driver of a new round of technological and industrial transformation, has been recognised as the key to propelling the development of Hong Kong’s digital economy. Robotics and automation are expected to be the solution to solving manpower shortages in various industries.</p> <p>Hong Kong Metropolitan University (HKMU) is the first University of Applied Sciences (UAS) in Hong Kong. Based on its expertise in professional engineering and mission to provide professional and applied degree programmes to meet societal needs, HKMU has decided to develop the Bachelor of Applied Science with Honours in Robotics and Automation Engineering and train students to customise robotics that can adapt to real environments and perform effectively in various working areas, with a view to alleviating manpower shortages in the society.</p> <p>The programme will be an applied degree programme with many industrial elements, such as workshops on robotics and automation, workplace safety and etiquette, guided industrial training, industrial placement, workplace projects, and workplace practical training. Students will also have training and placement in the Guangdong-Hong Kong-Macao Greater Bay Area. The first cohort of students will be admitted in the 2026/27 academic year through the Joint University Programmes Admission System. We aim to seek professional accreditation from local and overseas professional bodies, such as the Hong Kong Institution of Engineers (HKIE), for this programme by 2030.</p> <p>In the coming academic year, HKMU will establish an industrial centre with the support of an ESGS</p>	

project funded in the 2022/23 round of applications. The industrial centre will comprise a number of facilities on AI, Internet of Things, intelligent construction technologies, and smart buildings. This new ESGS project will acquire additional specialised robotics and automation instruments and software to enhance the facilities of the industrial centre. These two ESGS projects will complement each other to enhance the teaching and learning experience of students.

**Part C – Contact Details**

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Note: The details of the approved project are provided by the institution. The operation of the relevant programme(s) is(are) subject to the applicable legal and accreditation requirement(s)