THE UNIVERSITY OF HONG KONG

Template for Mapping of Programme Learning Outcomes to University Educational Aims – Taught Postgraduate Programmes

Faculty of **Engineering**

Programme title: **Master of Science in Engineering in Artificial Intelligence in Engineering (MSc(Eng)(AIE))**

Applicable student cohort(s): **2028-29 and thereafter**

The purpose of mapping is to illustrate the coherence of the programme in achieving the University Educational Aims (UEAs).   The mapping should be an evaluative and reflective process, and the Faculty must ensure that the programme as a whole offers students sufficient opportunities to develop the attributes articulated in each of the UEAs and the corresponding Institutional Learning Outcomes.   *Please put a tick (√) in the boxes under the UEA columns below to indicate the alignment, as applicable.*

Programme Learning Outcomes (PLOs)	Alignment with University Educational Aims (UEAs)* Benchmarked against the highest international standards, the taught postgraduate programmes at HKU are designed to enable students to develop capabilities in:					
	UEA1 Critical intellectual enquiry and acquiring up-to-date knowledge and research skills in a discipline/ profession	**UEA2** Application of knowledge and research skills to practice or theoretical exploration, demonstrating originality and creativity	**UEA3** Tackling novel situations and ill-defined problems	**UEA4** Collaboration and communication of disciplinary knowledge to specialists and the general public	**UEA5** Awareness of and adherence to personal and professional ethics	**UEA6** Enhancement of leadership and advocacy skills in a profession *(for professional programmes only)*
PLO1 On successful completion of the curriculum, students should understand the fundamental concepts and	✓					

theories of application of artificial intelligence to the relevant discipline, and acquire specialised and research knowledge/skills to solve problems that are critical to future growth of industry and business.						
PLO2 On successful completion of the curriculum, students should be able to apply advanced knowledge, analytical skills and reasoning to the application of artificial intelligence in relevant engineering fields.		✓				
PLO3 On successful completion of the curriculum, students should be able to apply and integrate of interdisciplinary knowledge and skills to identify and tackle practical problems, and develop the solutions using appropriate tools and techniques.			✓			
PLO4 On successful completion of the curriculum, students should demonstrate the ability				✓		

to present effectively, initiate the ideas with other specialists and use specific technical terminology to enhance public awareness in the related topics through research activities and industrial projects.						
PLO5 On successful completion of the curriculum, students should be able to demonstrate independent and critical thinking ability to appreciate/assess the ethical issues and concerns relevant to the discipline.					✓	
PLO6 On successful completion of the curriculum, students should be able to develop a critical awareness of current issues in the global market, and inculcate leadership, professional ethics and competence in entrepreneurship and relevant interdisciplinary fields.						✓

*The Institutional Learning Outcomes for each UEA can be found at tl.hku.hk/tl/.