








Machine Intelligence – Principles and Applications

(TECS2461)

<p>Introduction</p>	<p>This course introduces the basics of artificial intelligence and machine learning. Students will learn the fundamental concepts and theoretical principles of machine learning, and their applications in speech, language and image processing. It also provides basic training on Python programming and Python implementation of speech recognition and image recognition systems.</p>	
<p>Programme Type / Level</p>	<p>Intermediate course in Artificial Intelligence (Token-required)</p>	
<p>Instructor(s)</p>	<p>Dr. Tan Lee; Dr. Hongsheng Li</p>	
<p>Pre-requisite</p>	<p>No special prerequisites are needed</p>	
<p>Target Participants</p> 	<ul style="list-style-type: none"> ➤ S1 – S6 HKAGE student members ➤ Class size: 20 ➤ Priority will be given to student members who are awarded Certificate of Distinction or Certificate of Merit in Artificial Intelligence and Machine Learning (TECS2131) 	
<p>Medium of Instruction</p> 	<p>English (supplemented by Cantonese or Putonghua) with English handouts</p>	
<p>Certificate</p> 	<p>E-Certificate will be awarded to participants who have:</p> <ul style="list-style-type: none"> ❖ Attended at least 7 sessions; AND ❖ Completed all the assignments with satisfactory performance 	
<p>Intended Learning Outcomes</p> 	<p>Upon completion of the programme, participants should be able to:</p> <ol style="list-style-type: none"> 1. Describe the basic concepts of artificial intelligence and machine learning; 2. Explain the basic principles of machine learning; 3. Explain the operation of an automatic speech recognition system; 4. Explain the operation of an image recognition system; 5. Apply software tools to design an application of machine intelligence. 	
<p>Screening</p> 	<p>Please answer the screening question in the online application form. *The screening question is designed to help the applicant understands the course level and the course content. The question must be answered by the student applicant and it can only be attempted once. The answer cannot be changed once the application is submitted. Selection is based on students' performance in answering the question. Only students who can demonstrate motivation and the basic knowledge of Artificial Intelligence in the screening question can be enrolled in the programme.</p>	
<p>Application Deadline</p>	<p>Application Result Release Date</p>	<p></p>
<p>If student members withdraw from the programme after the Application Deadline, the token will be deducted.</p>		

4 Feb 2019

Application Result Release Date

15 Feb 2019

If student members withdraw from the programme after the Application Deadline, the token will be deducted.

Schedule



Session	Date	Time	Venue
1	23 Mar	9:30 a.m. – 12:30 noon	Room 402, Ho Sin Hang Engineering Building, the Chinese University of Hong Kong (map)
2	30 Mar	9:30 a.m. – 12:30 noon	
3	6 Apr	9:30 a.m. – 12:30 noon	
4	6 Apr	2:00pm- 5:00pm	
5	24 Apr	9:30 a.m. – 12:30 noon	
6	24 Apr	2:00pm- 5:00pm	
7	27 Apr	9:30 a.m. – 12:30 noon	
8	27 Apr	2:00pm- 5:00pm	
9	4 May	9:30 a.m. – 12:30 noon	



For enquiries, please contact us at 3940 0101 after language selection, press "1".

Enquiries

SCIENCES

科學