AIFC
CIC Master Class on AI for Construction (including LLM)
建造業議會大師級培訓課程：人工智能與建造 (涵蓋大型語言模型)

This programme will cover current development of the theoretical and practical aspects of Artificial Intelligence (AI) in the construction industry. The programme aims to provide practitioners (at decision making level) who wish to leverage digitalisation to improve business processes through advanced computation and AI.

Lecturer 講師	Professionals 專業人士
Medium of Instruction 授課語言	Cantonese (supplemented with English technical terms) and/or English 廣東話輔以英文技術用語 及/或 英語
Mode of Attendance 授課形式	Part-time day course 日間部份時間制
Duration 授課期	3 hours x 7 sessions 3 小時 x 7 堂
Venue 上課地點	HKIC, Kowloon Bay Campus, 44 Tai Yip Street, Kowloon Bay, Kowloon 九龍 九龍灣大業街 44 號 香港建造學院 九龍灣院校
Admission Requirements 入學條件	• Holder of a Bachelor degree in an architectural, engineering or construction-related discipline; OR • Being a member of professional institution in an architectural, engineering or construction-related discipline at member level or above; OR • Should be (i) involved / to be involved in advanced construction projects, (ii) with at least 5 years working experience in construction industry, and (iii) nominated by the employer.
Award of Certificate 證書頒發	Students must meet the following requirements in order to be considered having successfully completed the programme and receive the Completion Certificate: • Achieve 85% attendance rate (i.e. absence for a maximum of 3 hours) • Pass the Final Assessment (i.e. 50 marks or above)
Course Fee 課程費用	$6,830.00
Enquiry 查詢課程	2100 9000 / 3199 7217 / 2100 9809
Application Method 報名方法	Please apply online on SPDC portal 請透過建造專業進修院校的 網上報名系統 報名

建造專業進修院校 SCHOOL OF PROFESSIONAL DEVELOPMENT IN CONSTRUCTION

香港建造學院 HONG KONG INSTITUTE OF CONSTRUCTION

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Course Content 課程內容
1. Strategic applications and implementations of AI & LLM for Construction • Cases sharing of Strategic Uses and implementation of AI & LLM in Construction
2. AI & LLM foundation module • Introduction to What is AI • Introduction to Sub-fields of AI
3. Construction module (Planning & Design, Sustainability) • AI Design leading to sustainable living; Automated Construction; Design analytic • Introduction to LLM
4. Construction module (Project & Construction Management) • Smart Project planning & Construction Management • Supply chain & logistics; Risk Management • Site Monitoring; Site Safety Management
5. Construction module (Operation & Maintenance) • Asset Management; Smart Management system; Energy Management; Zone Monitoring; Facial Recognition; Maintenance prediction; Sustainability • Design leading to sustainable living; Automated Construction
6. Large Language Model • Overview of different types of Large Language Models • Key characteristics and use cases • Understanding training data and algorithms • Case studies demonstrating LLM effectiveness
7. Project Presentation and Certificate Presentation • Group Presentation on AI & LLM business case proposal with feedback from experts