课程设有实习
With Internship

商业人工智能(AI)系统开发

Artificial Intelligence (AI) Solutions Development (SEAIS)

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28 个月课程
Months Course

▲ 80%实践训练
80% Practical Skills

▲ 20%理论
20% Theory

▲ 教学媒介语以中文为主，英文为辅
Medium of Instruction: Chinese & Simple English

▲ 16岁以上即可报读，无需入学资格
Entry Requirement: 16 Years Old & Above

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这课程读什么？ | What Is This Course About?

想象你打造一个能自动回应客户问题的 AI 数字人，或是一个能分析销售趋势、生成报告的 AI 助理，甚至将 AI 功能整合进你自己开发的网站或 App – 让系统更聪明、决策更精准，自动帮人完成很多事。这就是这门课的重点。

本课程专注于教你如何开发、部署与整合人工智能系统，结合本地部署的大型语言模型(如:DeepSeek、LLaMA、Qwen) 与线上 AI API (如 ChatGPT、Gemini)，让你学会如何将 AI 真正应用在商业环境中。你将从零开始，打造能听懂、能判断、会输出的AI系统，让技术不只是"看起来厉害"，而是"真的能解决问题"。

课程也涵盖 AI 与网站、App、自动化流程、机器人技术的整合，帮助你打造能用、可部署、适合中小企业与现代企业使用的 AI 解决方案。配合马来西亚数码经济与产业升级趋势，特别强化 AI 应用开发能力，培养能直接投入本地企业或初创公司所需的 AI 技术人才。

Imagine creating an AI avatar that can automatically respond to customer inquiries, or an AI assistant that analyzes sales trends and generates reports. Maybe even integrating AI features into the website or app you built - making your system smarter, decisions faster, and saving people time and effort. That's what this course is all about.

This programme focuses on teaching you how to develop, deploy, and integrate AI systems. You'll work with open-source large language models (LLMs) like DeepSeek, LLaMA, and Qwen for local deployment, as well as cloud-based APIs such as ChatGPT and Gemini. The goal is to help you apply AI in real-world business environments - from the ground up. You'll learn to build AI systems that can understand, reason, and generate responses - turning technology from "cool but abstract" into "practical and problem-solving." The course also covers how to integrate AI into websites, apps, automated workflows, and even robotics - developing usable, deployable AI solutions for SMEs and modern enterprises.

Aligned with Malaysia's push toward digital economy and industry transformation, this is a hands-on programme tailored to Malaysia's job market, focusing on applied AI development skills needed by local enterprises and startups.

谁适合读？ | Who Is This For?

如果你对 AI 很好奇、对各种新科技特别感兴趣，看到 ChatGPT、自动化、机器人这些话题总忍不住点进去看看，那你就很可能适合这门课。

这门课特别适合对新鲜事物有好奇心、喜欢动脑筋解决问题、享受把东西一步步做出来的你。不需要你考试特别厉害，只要你肯试、肯学，就有机会打造出真正能用、能帮上忙的 AI 系统。如果你常常在想："这个东西能不能更聪明一点？"那你或许已经是未来的 AI 系统开发者了。

If you're curious about AI and fascinated by new tech - if you find yourself clicking on anything about ChatGPT, automation, or robotics - then this course might be perfect for you.

This programme is great for students who are curious, enjoy problem-solving, and love building things step by step. You don't need to be great at exams - just willing to try and learn. That's all it takes to start creating AI systems that actually work and help people.If you often find yourself asking, "Can this be smarter?" - you're probably already thinking like an AI system developer.

学生将学会 | Students will learn and be able to:

▲ 学习如何从零开始开发人工智能系统。
Learn how to build AI systems from the ground up.

▲ 本地部署开源大型语言模型（如DeepSeek、LLaMA、Qwen）并进行微调。
Deploy and fine-tune open-source large language models (e.g., DeepSeek, LLaMA, Qwen).

▲ 使用ChatGPT、Gemini等主流AI API实现商用功能整合。
Integrate commercial AI APIs such as ChatGPT and Gemini into real applications

▲ 将 AI 功能整合进网站、App、自动化流程或机器人中。
Combine AI with websites, mobile apps, automation workflows, or robotics.

▲ 设计具备理解与回应能力的智能系统，解决实际问题。
Design intelligent systems that understand input, respond, and solve real-world problems.

▲ 动手打造自己的AI智能机器人，结合感测器与互动功能。
Build your own AI-powered robots with sensors and interactive features.

▲ 建立AI应用作品集，为就业或创业做好准备。
Build a portfolio of AI-powered projects to prepare for employment or entrepreneurship.

课程内容 | COURSE OUTLINE

编程专业课 | Programming Core Courses

- 编程概论
  Introduction to Programming
- 物件导向程式设计
  Object-oriented Programming
- Python编程
  Python Programming
- 网站设计
  Website Design
- 互动网页编程
  Interactive Web Programming
- 网络应用开发 (1)
  Web Application Development (1)
- 手机应用开发 (1)
  Mobile Application Development (1)

专业主修课 | Specialization Major Courses

- 生成式AI工具
  Generative AI Tools
- 生成式AI整合
  Generative AI Integration
- 人工智能基础
  Artificial Intelligence (AI) Fundamentals
- 机器学习
  Machine Learning
- AI应用
  AI Applications
- 机器人与嵌入式系统
  Robotics and Embedded Systems
- 机器人应用
  Robotic Applications
- AI与机器人实践
  Practical AI & Robotics

核心辅助课 | Supporting Core Courses

- 网络基础
  Networking Fundamentals
- 数码与网络法律
  Digital and Cyber Laws
- 作业系统
  Operating System
- 云端运算
  Cloud Computing
- 信息安全管理
  Information Security Management
- 软体工程
  Software Engineering
- 电子商务与数码行销
  E-Commerce & Digital Marketing

职场技能课 | Workplace Skills Courses

- ICT实务技能
  Practical ICT Skills
- 简报技巧
  Presentation Skills
- 职场软技能
  Work-based Soft Skills
- 职场英文沟通 (1)
  Workplace English Communication (1)
- 职场英文沟通 (2)
  Workplace English Communication (2)

实习与专案课 | Industry Experience & Capstone

- 专案 (1)
  Project (1)
- 专案 (2)
  Project (2)
- 职场学习
  Workplace Learning

* Please note that the modules listed are indicative and may be subject to change.

评估标准 | ASSESSMENT

100%作业及实践练习，本课程商业人工智能(AI)系统开发的理论20%，实践80%，聚焦于工作场所的实际应用。

鼓励团队合作，让学生学会分组合作或单独工作以完成专题作业。

100% Assignment and Practical Exercises. The course offers both the theory (20%) and practice (80%) of Artificial Intelligence (AI) Solutions Development skills, with a focus on the practical application of these skills in the workplace.

Teamwork is encouraged and students learn to work in groups or individual to complete their projects.

考取资格 | QUALIFICATIONS

英国国立西苏格兰学院专业文凭
Diploma awarded by West College Scotland, UK

英国国立西苏格兰学院高级专业文凭
Advanced Diploma awarded by West College Scotland, UK

台湾文凭(由台湾各大学颁发)
Diploma Qualification from Universities in Taiwan

就业前景 | CAREER PATHWAYS

随着AI技术日渐普及，越来越多企业不再满足于"会ChatGPT"，而是开始寻找能够将AI真正整合进business业务系统的人才。无论是客服自动回复、销售数据分析、库存预测，还是生成型AI应用，市场正快速涌现对"能开发、能部署、能整合"的AI技术执行者的需求。

配合马来西亚在AI国家战略(National AI Roadmap)中的多项推动，未来产业对"会用AI工具"已不再足够，而是越来越重视"能做出AI系统"的实作型人才。

常见就业岗位
毕业生可从事人工智能系统开发员、AI 应用工程师、AI自动化执行员、AI 客服系统支援专员、数据分析师、商业智能技术员、AI工具整合技术员、机器人流程自动化(RPA) 技术支援员、智能系统维护员、AI 平台支援专员、企业数码转型助理等相关职位。
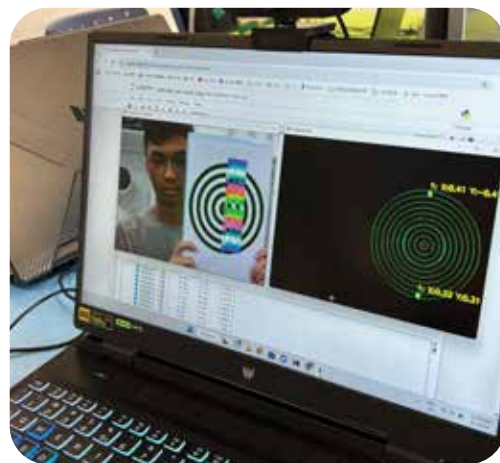
As AI technology becomes more accessible, companies are no longer just looking for users of ChatGPT - they want people who can build, deploy, and integrate AI into real-world systems. From automated customer service and sales analytics to predictive tools and generative AI, the demand for applied AI talent is rapidly expanding.

With Malaysia's commitment to the National AI Roadmap, industries increasingly need not just AI users, but hands-on AI system developers who can turn ideas into deployable solutions.

Common Job Roles
Graduates may pursue careers as AI Solutions Developer, AI Application Engineer, AI Automation Specialist, AI Customer Support Assistant, Data Analyst, Business Intelligence Technician, AI Tool Integration Specialist, Robotic Process Automation (RPA) Support Technician, Intelligent System Maintainer, AI Platform Support Staff, and Digital Transformation Assistant.

AI不只是ChatGPT，它是未来商业系统的大脑。
AI isn't just ChatGPT - it powers the future of business applications.

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