

5. AI Application in Management

Dates: August 1 - 24, 2022

Credits: 3

Language: EMI

Delivery: blended – synchronous and asynchronous (online)

Total Hours: 54

Tuition Fees: USD 300 (Tuition waiver for AU partner universities)

College Website: <https://cm.asia.edu.tw/?locale=en>

Artificial intelligence (AI) that can learn, reason, plan, perceive, or process natural language will take advantage of business risk management and raise up to predicting behavior reaction accurately. Applications based on AI are already visible in business administration management, finance, information accounting, leisure and recreations. This program is a customized summer program designed in particular for students of overseas partner universities. The program is very helpful to students who are eager to develop knowledge and skills of AI application in management.

About the Program

AI application in management can enhance various facets of effectively managing a business. The program can provide you with a variety of professional courses. You will learn, for example, AI modeling and simulation techniques with R language and Python, classification, survival prediction, number recognition, big data analysis, credit and lending, payments, investment analytics. After completing this program, you'll gain tools in improving from customer services to finding business patterns, effective data management, analytics, decision-making effectiveness, cross cultural awareness and develop the ability to reach beyond the organization for insights.

The Program Features

AI application in management will likely play a more significant role in the way that companies operate as the software continues to advance and moves towards the forefront of the industry. AI application in management can work more efficiently through these features and complete them more quickly and effectively. This is achieved by analyzing big data to obtain a better understanding of their behaviors and preferences. For example, trading investors currently see new financial service using different types of AI application for lender and borrower through Fintech on websites. These have become enormously helpful as they lead traders to the correct credit and lending markets. With our teachers' engaging and inspiring instruction, students can benefit from these teachings. Through a series of training lessons, your AI knowledge and skills in management will enable you to use big data and then to do decision analysis through real-time and up-to-date data gathering, forecasting, and trends.



Curriculum for AI Application in Management

Course Title	Hours	Module Components
Opening Ceremony & Introduction to the Course	2	Tutorials
Taiwan's Night Market Economic Culture	4	Lecture
Leisure Culture Industry in Taiwan	4	Lecture
AI Industry in Taiwan	4	Lecture
Management in Artificial Intelligence	4	Lecture
Finance in Artificial Intelligence	4	Lecture
Asset Pricing in Hidden Markov Model	4	Lecture
Web Crawler and Social Media Analysis	4	Lecture
Bellman Equation Basics for Reinforcement Learning	4	Lecture
Backward Induction in Artificial Intelligence	4	Lecture
Digital Economic and Real Option	3	Lecture
Big Data Analysis and Visualization	3	Lecture
Presentation	6	Lecture
Assessment and Closing Ceremony	4	Lecture
Total	54	

Module Components	Teaching hours per week	Remarks
Lecture	13	
Tutorials	1	
Practicum/Lab	-	

Assignment Method	Percentage	Remarks
Exam	5%	
Assignments and Quiz	15%	
Presentation	60%	
Others	20%	Participation

