NGEE ANN POLYTECHNIC

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CFTE Centre for Finance, Technology and Entrepreneurship

ASIAN BANKING SCHOOL

8 AICB
CPD HOURS

ABS | Centre for Digital Banking

ARTIFICIAL INTELLIGENCE IN FINANCE

- Fully online course
- Participants learn at their own pace, on their own schedule
- Accessible anywhere, anytime with just an internet connection
- Content delivered by AI experts can be accessed at any time

ARTIFICIAL INTELLIGENCE IN FINANCE

UNDERSTAND THE APPLICATIONS OF AI IN FINANCE

WHAT IS AI IN FINANCE?

89% of European banks have started working with Artificial Intelligence. American banks are putting AI at the top of the list for their technology efforts. But what exactly is AI? What are the applications of AI in finance? What are the opportunities, but also the risks of AI in the industry?

The Asian Banking School and FINSIA is pleased to be collaborating with the Centre for Finance, Technology and Entrepreneurship on this online course, "AI in Finance" which was jointly developed by the CFTE together with Ngee Ann Polytechnic.

The course consists of video lectures, interviews with guest speakers, supplementary readings and quizzes, which guide participants through the various applications of AI in finance. Its online format allows for independent, self-paced learning, where the content delivered by a diverse group of AI experts can be accessed at any time.

Once the participants successfully complete the 18 modules, they will receive a Certificate of Completion jointly issued by CFTE and Ngee Ann Polytechnic.

For more information, email training@asianbankingschool.com or call +603-2742 7822 ext 337

WHAT MAKES
THE COURSE UNIQUE?

FIRST INDUSTRY-LED COURSE FOR AI IN FINANCE

Our mission is to provide our learners with the tools and the knowledge to embrace the AI revolution in **finance**. For this reason, we have created a reference course with the industry for the industry. Participants will be given a comprehensive overview on the most relevant trends through a very structured curriculum.

LEARN FROM GLOBAL THOUGHT LEADERS

Participants will learn from industry leaders who work at the largest financial institutions, fast growing startups, investors and regulators. Those leaders share their experience and in-depth knowledge through the course, and give a unique insight on the use of AI in finance in the US, Europe and Asia.

UNDERSTAND ALL AREAS OF AI

The course gives an overview of the potential and challenges of AI in Finance, from insights of entrepreneurs who are developing AI to leaders implementing AI in financial institutions. From the technology to the role of people and the importance of ethics, participants will understand AI in a balanced and structured way.

WHO IS THIS PROGRAM FOR?

This course is suited for a wide range of professionals who are keen to master the key elements of AI and want to understand its applications in finance. We welcome finance professionals, technologists, entrepreneurs, consultants, lawyers and all the people who are ready to take a deep dive into the future of finance.

Finance Professionals   **Entrepreneurs**   **Technologists**   **Consultants & Lawyers**

PRE-REQUISITES

There are no pre-requisites for taking the course.

Participants can get the most out of the course if they have a general knowledge of Fintech and innovation trends in finance. This could be achieved through a structured course such as CFTE's Around Fintech in 8 hours**.**

INSTRUCTORS

5 senior lecturers and 18 guest speakers drive the excellence and leadership of AI in finance. They are senior leaders from the largest financial institutions, CEOs of fast-growing startups, investors or regulators and are world-class experts in their domains. They share their insights as industry practitioners to help participants access high quality knowledge and gain first hand experience of AI in finance.

Ayesha Khanna (Singapore)
Co-Founder and CEO of ADDO.AI
Co-Founder of the Hybrid Reality Institute
Faculty advisor at Singularity University

Ramneek Gupta (San Francisco)
Co-Head of Venture Investing at Citi Ventures

Jean-Philippe Desbiolles (Paris)
Vice President of Cognitive Solutions
Global Partner at IBM Watson Group

Shameek Kundu (Singapore)
Chief Data Officer at Standard Chartered Bank

Jon-Tzen Ng (Shanghai)
Chief Strategy & Innovation Officer at Ping An Technology

Dr. Winnie Cheng (New York)
Chief Data Scientist at Io-Tahoe
Co-Founder, CTO & Chief Data Scientist at Flowcast

Dr. Jason Mars (Ann Arbor)
Co-Founder & CEO of Clinc
Professor at University of Michigan

Erkin Adylov (London)
Founder & CEO of Behavox

Dr. David Hardoon (Singapore)
Chief Data Officer at Monetary Authority of Singapore (MAS)
SKBI Advisory Board Member at Singapore Management University
Honorary Senior Research Associate at University College London

and 14 more!

COURSE STRUCTURE

The online course comprises of video lectures taught by the Senior Lecturers, readings that complement the topics addressed in the lectures, and video interviews from industry experts to illustrate specific points raised by the lecturers.

At the end of each of the 18 modules, there is an Assessment Quiz to verify the understanding of the topic – a successful completion of the 18 quizzes leads to a Certificate of Completion of "Artificial Intelligence in Finance".

Each module also benefits from its online discussion forum where participants can share, comment and exchange ideas on discussed topics.

Chapter 1
An Industry Overview of AI

- Module 1: Introduction to Artificial Intelligence
- Module 2: Use cases of AI outside of Finance
- Module 3: Use cases of AI in Finance
- Module 4: Industry drivers of AI in Finance

Chapter 2
AI Technologies

- Module 5: AI, Machine Learning and Deep Learning
- Module 6: Building AI systems
- Module 7: Natural Language Processing
- Module 8: Recommendation Engine

Chapter 3
Implementing AI in an Enterprise

- Module 9: Integrating AI at a Strategic Level
- Module 10: Infrastructure for AI
- Module 11: The Role of People
- Module 12: Ethics and risksw

Chapter 4
Applications of AI in finance

- Module 13: Wealth and Asset Management
- Module 14: Insurance
- Module 15: Customer service
- Module 16: Robotic Process Automation
- Module 17: Credit Scoring
- Module 18: Compliance and Fraud Detection

A GUIDED JOURNEY INTO AI

A STRUCTURED COURSE TO UNDERSTAND AI IN FINANCE

The course has been designed to give a solid foundational knowledge about
Artificial Intelligence, and how it applies to different sectors of finance.

LEARNING OUTCOMES

Upon completion of the course, participants will be expected to:

- Have a good understanding of the main concepts behind Artificial Intelligence, including machine learning, deep learning, natural language processing, machine vision, etc.
- Appreciate the developments of AI, especially in the context of financial services, and recognise its potential and limitations
- Learn to identify potential use cases of AI in different sectors of finance
- Be able to understand the opportunities and challenges of implementing AI
- Understand future applications of AI by applying conceptual frameworks
- Think of ways to apply AI to the financial industry

PRACTICAL

- 18 modules of self-paced learning
- Video lectures with curated readings
- Quizzes to test the assimilation of knowledge
- Forum to exchange thoughts with fellow participants

FAQ

IN WHAT LANGUAGE IS THE COURSE?

The course is entirely in English. All the video lectures are subtitled to make it easy for anyone to follow.

WHAT DOES THE COURSE INCLUDE?

The course includes access to all the video lectures, readings, interviews, discussion forums and assessment quizzes. Once you have completed the course and assessments, you will also receive a Certificate of Completion.

HOW LONG DOES IT TAKE TO COMPLETE THE COURSE?

Completing the course takes around 12 hours. The course is structured in 18 modules of 30 to 45 minutes, and participants can take the course at their own pace – either in one go, or over a period of several weeks or months. The course is available for 6 months from the start date.

WHAT IS CFTE?

The Centre for Finance, Technology and Entrepreneurship is an education platform supported by senior leaders from the largest institutions, universities and startups. It addresses the needs of professionals in finance to up-skill in a rapidly changing industry being transformed by emerging technologies.

The platform is designed to deliver content of the highest quality thanks to the contribution of a group of global experts coming from finance, technology and academia. Its objective is to equip students with the right knowledge, skills and mindset to thrive in a world of Digital Finance.

WHAT PARTICIPANTS THOUGHT OF PREVIOUS COURSES

"I would definitely recommend this course to people who want to have a comprehensive understanding of what is going on in the fintech space and what are the emerging technologies to pay attention to.

(Product Innovation Manager, Global Bank)

People involved in financial services need to equip themselves with a deeper understanding of Fintech in order to cope with the transformation that is happening in the industry. This online certification course brilliantly captures the full essence of Fintech and presents it in a powerful way through lecture videos, interviews with industry stalwarts and curated reading content.

(Head of Private Banking)

I expected to get a broad idea of what is impacting finance today and how to get prepared for tomorrow's finance. The course went well beyond my expectations, during the guest speakers interventions I felt like they were talking directly to me

(Associate, Capital Markets)"

ABOUT ABS

The ASIAN BANKING SCHOOL (ABS) is dedicated to developing talent and is the largest specialised provider of quality banking training programmes in the ASEAN region.

As the industry's preferred partner in learning and development, ABS offers customised and open enrolment training programmes that cover a comprehensive list of banking areas developed by its Specialist Training Consultancy Team or in collaboration with strategic learning partners that includes some of the top business schools in the world. This includes its Executive Education programmes with Cass Business School in London, the University of Cambridge Judge Business School, Frankfurt School of Finance and Management and INSEAD.

ABS also works closely with the Asian Institute of Chartered Bankers in raising competency standards for the industry through the delivery of training workshops related to professional qualifications developed and awarded by the professional body; and is the exclusive training partner for the Chartered Banker Institute in the UK. It plays a significant role in enriching the talent pipeline for the financial services sector through the industry recognised Financial Sector Talent Enrichment Programme (FSTEP) and Graduate Training programmes; and is also responsible for designing, developing and delivering the industry-wide Ethics and AML/CFT programmes.

For enquiries, please contact:

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