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Empowering Product Innovators to Shape the Future of Digital Finance

Advanced Professional Certificate in Product Management for AI and Digital Finance



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Course Schedule 

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For more information about this programme, please contact:
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(SCTP) Advanced Professional Certificate in Product Management for AI and Digital Finance

Overview 

The Advanced Professional Certificate in Product Management for AI and Digital Finance prepares professionals to lead in a financial landscape increasingly shaped by fintech innovation, artificial intelligence, and regulatory change. Across seven modules, participants will build a strong foundation in product management covering areas in digital finance and compliance, sharpen stakeholder management skills, and apply design thinking to uncover user needs. With an emphasis on real-world application, the programme equips learners to plan and develop technology-enabled financial products that balance innovation with governance and ethics — a critical capability in today’s fintech-driven economy.

The programme bridges strategy, technology, and practice to meet the demands of an industry in transformation. Participants will learn how to launch products for measurable impact, track performance through continuous discovery, and adapt offerings as markets evolve. Through the capstone project, learners will apply their skills to tackle real-world fintech and digital finance challenges, ensuring industry relevance and hands-on experience. By the end of the programme, graduates will be ready to drive innovation and create sustainable value in the fast-changing world of AI, fintech, and digital finance.

Course Date

Register your interest [here](#) to receive course updates on the next cohort.

Duration

This course is offered on a part-time (4 months) basis.

Who Should Attend

This programme is designed to equip professionals with the strategic, technical, and product innovation skills required to lead in the fast-evolving domains of Artificial Intelligence and Digital Finance.

It supports individuals who are looking to pivot, upskill, or accelerate their careers into product roles that demand fluency in AI-driven solutions, fintech innovation, and digital product strategies.

- Designers and marketers seeking to upskill in AI, data, and digital finance frameworks to transition into product roles.
- Founders, startup teams, and intrapreneurs who need rapid prototyping skills to test AI-driven or fintech product ideas quickly.
- Tech entrepreneurs driving innovation in AI-enabled platforms or digital financial services.
- Current product professionals seeking to upgrade their expertise in AI integration, fintech ecosystems, and digital-first product strategies.
- Tech-savvy career switchers looking for hands-on, project-based learning in building and scaling AI-powered or digital finance products.

Applicants will be required to undergo a shortlisting process where they must share their résumé and complete a pre-course assessment. Our instructors and career consultants will review applicants to assess their suitability before deciding whether to shortlist them for the course.

Venue

Virtual (Online), NTU e-Learning Platform & NTU@one-north campus

Speak to our Career Consultant

Not sure if this is the right course for your career progression or transition? Book a session to gain clarity!

Learning Objectives

At the end of the programme, learners will be able to:

- Understand the foundations of digital finance, including key technologies, regulatory frameworks, and compliance requirements.
- Apply stakeholder management strategies to effectively lead and coordinate digital finance projects.
- Design and develop AI-enabled financial products, integrating ethical and governance considerations.
- Collaborate on real-world capstone projects that demonstrate the application of learned skills in a practical, industry-relevant context.
- Leverage data analytics and digital tools to support decision-making in product development and management.
- Navigate legal and compliance challenges in the digital finance landscape.

Outline

Module 1: Foundations of Digital Finance, Technology and Compliance

Builds foundations in digital finance, fintech innovations, and compliance, covering AI, blockchain, payments, alternative finance, and global regulations, preparing learners to navigate risks and drive value in digital finance

Module 2: Stakeholder Management in Digital Finance Projects



Module 3: Unlocking User Needs: A Design Thinking Approach to Product Discovery



Module 4: Product Thinking for AI-enabled Finance



Module 5: Launching for Impact and Sustaining Success



Module 6: The Evolving Product: Tracking Performance and Continuous Discovery



Module 7: Capstone Project in Product Management in Digital Finance



Trainers



Hanson Yap

Programme Director

With 20 years of experience as a business leader and product manager, Hanson Yap is an accomplished veteran leading cross-functional teams to manage flagship products in the technology space. At Apple, he managed the iconic iPad and Mac for the Southeast Asia region, creating compelling new value propositions for the iPad Pro and architecting the successful transition to Apple's M1 chip on the Mac. The business tripled under his stewardship.

At Microsoft, Hanson Yap led the sales and marketing team to drive Windows and Xbox in the retail space. He was awarded the prestigious Protégé award for outstanding achievements in driving business success.

In 2023, he pivoted to the education segment to better align with his new career aspirations of inspiring and preparing learners.

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Dr Ernie Teo

Programme Director

Dr Ernie Teo is currently Program Director for the Bachelor of Applied Computing in Finance, jointly offered by Nanyang Business School (NBS) and College of Computing and Data Science (CCDS) at NTU. He received his PhD in Economics and Game Theory from the University of New South Wales in 2008. He has also held teaching roles at both NTU and National University of Singapore.

Starting his career in academia, Dr Teo shifted his trajectory towards industry involvement in 2016, when he took on the role of Research Scientist at the IBM Center for Blockchain Innovation in Singapore. During this phase, he collaborated with various corporate clients on diverse blockchain initiatives. In 2020, he co-founded Dedoco —an enterprise application company harnessing blockchain technology.

Driven by a deep interest in blockchain and fintech dating back to 2014, his primary focus has been on education and research within this realm. Ernie is a prolific speaker on the subject of blockchain and boasts numerous publications in this field. He has also taken charge of crafting and delivering blockchain and fintech courses and workshops across various educational levels.

An advocate of innovation and excellence, Dr Ernie Teo is committed to sharing his wealth of insights and expertise with the wider community.

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Dr Chloe Gu

Dr Chloe Gu is a Senior Lecturer at the College of Computing and Data Science, Nanyang Technological University, and a seasoned data and product leader with 20 years of experience across banking, fintech, and e-commerce. She has held leadership roles at Standard Chartered, Grab Financial Group, and Lazada, where she translated analytics into impactful digital products and innovation. At NTU, she teaches and researches at the intersection of AI, product management, and business, bringing rich industry experience into the classroom.

Dr Gu holds a Ph.D. in Computer Science from the National University of Singapore and is passionate about mentoring the next generation of product and data talent.

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Keith Carter

A dedicated expert in emerging technology, Keith is focused on redefining how organisations work, communicate, and innovate. His career spans Wall Street technology with the Accenture Financial Services Advanced Systems Group, luxury fashion at Estée Lauder, and academia at the National University of Singapore (NUS). Throughout his career, he has advised businesses and governments globally on the strategic adoption of AI, automation, and blockchain technologies.

Currently a Partner at KDA Capabilities and a member of the Bretton Woods Committee, Keith is a frequent speaker at international events. He shares key insights on AI-driven productivity, digital transformation, and leadership within the modern tech landscape.

Previously, Keith served as a Professor of Computer Science at NUS, where he taught courses on intelligent systems, FinTech, and data-driven decision-making. His contributions to the field include founding the NUS FinTech Lab and co-founding the CRYSTAL Centre, a premier hub for deep tech research.

Keith continues to operate at the intersection of technology and leadership by teaching executive education, co-leading industry initiatives, and serving on advisory boards. This includes the DEC Institute in Zurich, where he contributes to the certification of blockchain developers.

Keith is an accomplished author with two major publications:

- Know Decide Act: 10x Your Productivity at Work with AI and Automation (2024): A guide to empowering professionals in a rapidly changing technological environment.
- Actionable Intelligence: A Guide to Delivering Business Results with Big Data Fast! (Wiley, 2014): A practical framework for turning data into impactful decisions.

At his core, he believes in helping organisations embrace technology as a trusted ally, enabling them to navigate the challenges of the digital economy and build a future-ready world.

[LinkedIn](#)



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