NANYANG TECHNOLOGICAL UNIVERSITY SINGAPORE

NTU Academy for Professional and Continuing Education

University

IMMERSION PROGRAMME

The Power and Possibilities of AI

16 - 19 Dec 2025

PROGRAMME OVERVIEW

Discover the future of AI during this Winter Programme - this **4-day course** invites high school students to explore key AI concepts that are shaping fields such as sports, finance, education and healthcare, taught by an NTU professor. Today's students will be stepping into a workforce integrating open-source ecosystems into their professional and daily lives. It is imperative that they gain an early exposure to these concepts and applications with the democratised access to AI and hopeful impending global solidarity. Participants and their parents will experience life in NTU campus and Singapore, including visiting cutting-edge research labs, an industrial site and a city tour.

WHO SHOULD ATTEND

High school students aged 16 and above born on or before 31 Dec 2009, with a good command of English and an interest in AI, innovation and technology.

IMPORTANT DATES

- ***Wed 1 Oct 2025 8pm SGT:***

Online Information Session

- ***Thu 27 Nov 2025 9pm SGT:***

Online Pre-Programme Briefing for confirmed participants

SCAN HERE

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UNIVERSITY IMMERSION PROGRAMME

PROGRAMME SCHEDULE

Mornings: Lectures & research lab visits at NTU
Afternoons: NTU campus tour & admissions talk, industrial visit, group project
Evenings: Singapore tour at Merlion Park, Singapore River & Esplanade

KEY BENEFITS

- Build foundational introduction to AI concepts
- Explore how AI is applied across various industry sectors through real-life examples
- Visit NTU's state-of-the-art research & lab facilities to witness research prototypes in person
- Experience an industrial visit in Singapore
- Discover insights into NTU's undergraduate programmes
- Enjoy a memorable glimpse into life at a world-city university
- Explore Singapore's iconic landmarks

DID YOU KNOW

Participants will get to visit two innovative and experiential AI application centres in NTU during the programme.

- **Robotics Research Centre**

A disruptive enabler for sustainable urban environments and healthcare - the world of the future. Look forward to witnessing autobots, bio-hybrid and avatar robots in action.

- **Xperience @ School of Electrical and Electronic Engineering**

This is the first technology-enabled escape room in the world, integrating motion detectors, holographic projections and laser systems. Some cool features include facial recognition, optofluidics, AR/VR, machine learning and magnetic sensing, built on software such as Raspberry Pi, Python and Arduino.

TEACHING FACULTY - PROF KWOH CHEE KEONG

Dr Kwoh is an Associate Professor in NTU College of Computing & Data Science. He has served as the Programme Director of MsC (Bioinformatics), Deputy Director of Biomedical Engineering Research Centre and Deputy Director of Biomedical & Pharmaceutical Engineering cluster, having graduated 26 PhDs and 8 MEngs. He has performed significant research work in AI, machine learning, data analytics methodologies for application in engineering, life sciences, medical and manufacturing sectors.

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