



70b

STEM X AI SUMMER SCHOOL



BUILDING HONG KONG SIGN LANGUAGE TRANSLATION TECHNOLOGY

Students learn **how AI can support accessibility by building a HKSL translation** pipeline involving:

- Data Collection & Processing
- GAN-based AI Avatar Creation
- GenAI / LLM-based Grammar Correction



Session 1: 6 July 2026 - 9 July 2026

Session 2: 20 July 2026 - 23 July 2026

Session 3: 3 August 2026 - 6 August 2026

Session 4: 17 August 2026 - 20 August 2026



HKSTP, Shatin, NT

Room 7, 2WCWC, 3/F, Building 2W



Tutorial Fee:

7,800 HKD (per session)

**Early Bird: 15% discount if enroll on
or before 20 June 2026**



Age: 15-18

**SECURE YOUR
SEAT TODAY!**



Please complete registration
4 days before session starts

admin@xai.hk

<https://www.70b.ai>



70b

COURSE OUTLINE

- ✓ **DAY 1**
Introduction to AI Accessibility & Data Collection
“How do machines learn sign language?”
- ✓ **DAY 2**
AI Avatar & GAN Modelling
“How can AI generate human-like signing avatars?”
- ✓ **Day 3**
GenAI & LLM for HKSL Grammar Correction
“How can AI understand language differences?”
- ✓ **Day 4**
Build & Showcase Final Project
“Create your own HKSL AI translator prototype.”

AGENDA

- 10:00 – 12:30**
Morning Lecture & Guided Demonstration
- 12:30 – 13:30**
Lunch Break
- 13:30 – 16:30**
Hands-on Workshop & Team Activities
- 16:30 – 17:00**
Practical Case Study & Implementation Exercise

LEARNING OUTCOMES



AI & Social Awareness

Understand the social impact of AI accessibility technologies and HKSL linguistics.



System Prototyping

Build a functional HKSL translation pipeline, present your AI solution to real-world challenges



Technical Proficiency

Master multimodal data processing, GAN-based avatar generation, and LLM-driven error correction.



Team & Presentation

Enhance collaborative innovation capabilities, develop highly competitive AI solutions.

**SECURE YOUR
SEAT TODAY!**



Please complete registration
4 days before session starts

✉ admin@xai.hk

🌐 <https://www.70b.ai>