architecture

B.Sc. in Architectural Intelligence and Design Thinking

Architectural Intelligence & Design Thinking (AI.DT)

Partnership

ENGINEERS LADKRABANG
SINGAPORE POLYTECHNIC | SP
THE UNIVERSITY OF NEWCASTLE AUSTRALIA
NIDA
STONEHENGE INTER

New normal for Architectural Education. Competence-based program offers the learners 4 module selection to fit with individual's future career.

We nurture Glocal Architects and Designers who are able to solve global challenges in the 21st century that are connected to their local intelligence. Architects are no longer artists in industry, but specialist change agents in the creative economy.

Total 138 credits to complete the degree

General Education 30 credits
Major courses 110 credit
Free electives 6 credits

Accreditation: on going process to ACT, and international body e.g. RIBA, NAAB

Architectural Intelligence and Design Thinking

program structure

Elective Design Labs

Digital Architecture	Construction and Facility Management	Sustainable Tropical Design	Design Thinking

Skills and Competencies

Professionalism - Creativity - Leadership - Teamwork - Information literacy - Entrepreneurship

- Digital literacy
- Innovative Thinking
- Technology Literacy
- Management Skill
- Global Awareness
- Critical Thinking
- Creativity
- Collaboration

Licensed Architects | CEO in architectural enterprise | Research-based design Architects

Career

- Digital Architect
- BIM Manager
- Architectural Visualizer
- Artificial Intelligence Architect
- Construction Manager
- Facilities Manager
- Real-estate Project Manager
- Property Developer
- Glocal Architect
- Environmental Architect
- Tropical Researcher
- Sustainable Design Expert
- Inclusive Design Architect
- Universal Design Specialist
- User-Experience Specialist
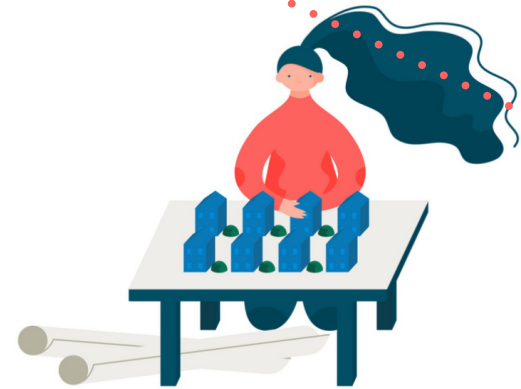
tuition fee

2,800 USD/semester
(22,400 USD for the entire program)   ** 95,200 baht/semester (761,600 baht for the entire program)

Architectural Intelligence and Design Thinking

study plan

	Semester 1	Semester 2	Semester 3
Year 1	Fundamental Design Basic Architectural Drawing Model and Prototype Development Fundamental Construction and Material General Education 1: Introduction to Economics General Education 2:	Architectural Design Computer-aided Architectural Design 1 Building Technology 1 History of Architecture General Education 3: General Education 4:	General Education 5: General Education 6:
Year 2	Integrated Architectural Design 1 Building Technology 2 Architectural Building System Computer-aided Architectural Design 2 Microeconomics	Integrated Architectural Design 2 Building Structural Systems1 Introduction to Building Information Modelling in Architecture Theory of Interaction Design and Cognitive Human Factor General Education 7: General Education 8:	General Education 9: General Education 10:
Year 3	Integrated Architectural Design 3 Principle of Design Research Building Structural Systems2 Building Information Modelling in Architecture Investment Project Analysis	Integrated Architectural Design 4 Pre-Cooperative Education Module Elective 1 Module Elective 2 Module Elective 3	
Year 4	Architectural Capstone Project Module Elective 3 Free Elective	Co-operative Education	

4 Modules

SINGAPORE POLYTECHNIC | SP STONEHENGE INTER Digital Architecture

ENGINEERS LADKRABANG | NIDA Construction Facility Management

THE UNIVERSITY OF NEWCASTLE AUSTRALIA Sustainable Tropical Design

SINGAPORE POLYTECHNIC | SP Design Thinking