

# Curriculum Vitae

MArch. NGUYEN THUY TRANG

## GENERAL INFORMATION

**Workplace:** Hanoi University of Civil Engineering (HUCE), Vietnam.  
Faculty of Architecture and Urban Planning  
**Email:** trangnt@huce.edu.vn

## EDUCATION

**Master in Urban Planing and Architecture** 2016  
Hanoi University of Civil Engineering  
*Thesis title:* “Planning of healthcare and social care systems for the Elderly in rural areas of the Red River Delta”

## RESEARCH INTERESTS

- Social housing for low incomes in cities and workers in industrial parks
- Inclusive design for social housing
- Spatial design of Elderly care buildings
- Education and traning in architecture

## RESEARCH PROJECTS

- Building a database system on workers' housing in Hanoi industrial parks. University research project. (Project Code: 120-2017/KHXD-TD) 2017-2018
- Research on Big Five Personality Traits for first-year university students to improve teaching and learning in Faculty of Architecture and Urban Planning. University research project. (Project Code: 08-2019/KHXD) 2018-2019
- Improving entrepreneurial capacity for students in construction industry in Vietnam. Ministry of Education and Training. (Project Code: B2020-XDA-01) 2020-2022
- Assess the current situation and propose solutions for building residential areas to serve industrial and export processing zones in Hanoi. Hanoi City Research Project. (Project Code: CT05/03-202202). 2022-2024
- An overview of the theory and practice of inclusive design in architecture. University research project. (Project Code: 02-2025/KHXD) 2024-2025

## PUBLICATIONS

### Articles in international journals and conferences

- Lan-Huong Le, Thuy-Trang Nguyen. *Relation between Residential Building Types and Public Health of Migrant Workers in Industrial Parks - Case Studies from North Thang Long Industrial Park in Hanoi*. Construction Digitalisation for Sustainable Development (CDSD 2020) Conference. AIP Conference Proceedings. 2021
- Dinh-Tuyen Pham, Minh-Hieu Nguyen, Thuy-Trang Nguyen. *Student personality database of the Hanoi University of Civil Engineering: Some initial results and suggestions on the direction of exploitation to form and develop a more comprehensive training environment*. VIII International Scientifc and Technical Conference “Solving Environmental Problems in the Construction Industry” (ESCI 2022). AIP Conference Proceedings. 2023

Articles in Vietnamese journals and conferences

• <b>Nguyen Thuy Trang.</b> <i>An overview of socialist housing in Hanoi.</i> The first conference on social housing 2016: “The overall picture of social housing challenges and opportunities”.	2016
• <b>Nguyen Thuy Trang, Le Lan Huong.</b> <i>Application of GIS in architectural teaching and research.</i> CAR4NUCE Conference: “Architectural design: From theory to practice”.	2019
• <b>Le Lan Huong, Nguyen Thi Van Huong, Nguyen Thuy Trang, Nguyen Thu Trang.</b> <i>Building a database of workers' housing in Hanoi industrial parks.</i> <i>Journal of Construction Science and Technology, University of Civil Engineering, No. 13/2019.</i> (84-95).	2019
• <b>Nguyen Thuy Trang, Pham Thu Trang.</b> <i>The Application of Historic Building Information Modelling (HBIM) to heritage buildings.</i> Conference “Sustainable architecture and urban planning: preserving traditional values, looking towards the future”.	2023
• <b>Le Lan Huong, Nguyen Duy Thanh, Nguyen Thuy Trang.</b> <i>Architectural heritage and community livelihoods in the ancient stone villages of Khuoi Ky and Na Vi, Cao Bang.</i> <i>Architecture Magazine, No. 6/2023</i> (72-77).	2023
• <b>Le Lan Huong, Nguyen Cao Lanh, Nguyen Thuy Trang, Nguyen Thi Van Huong.</b> <i>Models of planning residential areas for workers in Hanoi industrial parks.</i> <i>Journal of Construction Science and Technology (TCKHCN XD) - National University of Civil Engineering, 18(4V), 45-58.</i>	2024
• <b>Nguyen Thuy Trang, Le Lan Huong, Nguyen Cao Lanh, Nguyen Thi Van Huong.</b> <i>Assessment of the current status of architecture and landscape of social housing for workers in Hanoi.</i> <i>Architecture Magazine, No. 5/2024</i> (21-26)	2024
• <b>Nguyen Thi Van Huong, Le Lan Huong, Nguyen Cao Lanh, Nguyen Thuy Trang.</b> <i>Assessment of the current status of management and operation of social housing areas for workers in Hanoi.</i> <i>Construction Magazine, No. 08/2024</i> (78-83)	2024
• <b>Nguyen Thuy Trang, Nguyen Thi My Hanh, Nguyen Tien Manh, Nguyen Diep Linh.</b> <i>Factors influencing the use of informal learning spaces by university students.</i> <i>Architecture Magazine, No. 6/2024</i> (82-89)	2024

SKILLS

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- Survey design
- Data collection and analysis
- Statistical software (SPSS, STATA - foundational skills)
- Architecture design software (AutoCAD, SketchUp, Revit, Photoshop)

TEACHING EXPERIENCE

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Teaching many subjects for bachelor degree: principles of architectural design, architectural structure design, specialized topics of architecture...	2017-Present
Supervising students to carry out architectural design projects, specialized architectural technology projects, integrated projects, and graduation projects.	
Instructing students to do research projects.	