

Graduation Plan

Master of Science Architecture, Urbanism & Building Sciences



Graduation Plan: All tracks

Submit your Graduation Plan to the Board of Examiners (Examenscommissie-BK@tudelft.nl), Mentors and Delegate of the Board of Examiners one week before P2 at the latest.

The graduation plan consists of at least the following data/segments:

Personal information	
Name	Menno in 't Veld
Student number	4715659

Studio		
Name / Theme	Circular, inclusive, affordable, and future real estate strategies	
Main mentor	Monique Arkesteijn	Real Estate Management
Second mentor	Michaël Peeters	ESG – Sustainable Finance & Valuation
Third mentor	Jasmine Bacani	Real Estate Management
Argumentation of choice of the studio	During the presentation of the studio, it became clear for me that within this theme I could fit the idea of researching something on AI within the real estate industry.	

Graduation project	
Title of the graduation project	AI enhancing knowledge exchange about university buildings
Goal	
Location:	The Netherlands
The posed problem,	Dutch universities strive for collaboration and the exchange of knowledge about university real estate. However, several barriers hinder efficient exchange of knowledge under which technological barriers which in potential can be overcome with the use of AI. Literature shows the potential of AI in enhance knowledge exchange, however the exact utilization remains something to be researched.
research questions and	RQ: How can Artificial Intelligence (AI) be utilized to enhance knowledge exchange about university real estate buildings? SQ1: What are the knowledge exchange barriers and drivers? SQ2: How can Artificial Intelligence (AI) facilitate knowledge exchange?

	<p>SQ3: What knowledge do the campus managers need in a project database?</p> <p>SQ4: How can a Tailored GPT be developed to serve as a knowledge database about university real estate buildings?</p>
design assignment in which these result.	<p>The goal of this research was to investigate how the exchange of knowledge between Dutch universities can be improved, by developing an AI-generated project database about university real estate buildings. With the creation of an AI-generated knowledge database, the research aimed to overcome the knowledge exchange barriers on a technological level and further enable the knowledge exchange drivers on a technological level, which have been found in the literature review. As a result, leading to enhanced collaboration and sharing of knowledge among universities in the Netherlands.</p>
<p>[This should be formulated in such a way that the graduation project can answer these questions.</p> <p>The definition of the problem has to be significant to a clearly defined area of research and design.]</p>	
<p>Process</p>	
<p>Method description</p> <p>The methods and techniques that are going to be used are:</p> <ul style="list-style-type: none"> - Interviews - Expert panel 	

Literature and general practical references

The literature I tend to consult are academic papers on the concepts of knowledge exchange, AI, AI tools that facilitate knowledge exchange, and university real estate.

Reflection

1. What is the relation between your graduation (project) topic, the studio topic (if applicable), your master track (A,U,BT,LA,MBE), and your master programme (MSc AUBS)?

The relation between my topic and the studio is that the studio is about future real estate strategies, with the possible results from my research in the future it can be a strategy to better incorporate knowledge exchange to improve project success. The link with my master track MBE, is that I research it within public real estate organizations to improve their knowledge. My master is part of the master programme, so therefore there is also a relation with the master programme.

2. What is the relevance of your graduation work in the larger social, professional and scientific framework.

The relevance is that with an enhanced knowledge exchange the project that public real estate organizations have can be more successful.