

PROJECT DETAILS FOR FINAL SUBMISSION

Project Title:

MA-HA-KAN

Student's Full Name:

Nattaya Ratanaraja

Instructor's Full Name:

Chutayaves Sinthuphan

Course:

Architectural Design 2

Studio Brief Title:

Urban Incubators

Short Project Description (100 words max.):

Surrounded by the historic charm of Mahakan Fort and the lively canals of Bangkok, life unfolds in a way that's both resilient and rooted in tradition. Long-term homes rest safely atop riverside buildings, designed to rise above future flood levels, providing secure living spaces for residents. Nearby, visitor units line the park beside the fort, offering easy access to cultural landmarks and lush green spaces. Elevated pathways and floating structures connect the community, blending old-world heritage with modern adaptability, creating a place where people can gather, explore, and thrive as the environment shifts around them.

Full Project Narrative/Text Description (300 words max.):

Surrounded by the historic charm of Mahakan Fort and the canals of Bangkok, life here blends tradition with resilience. Long-term homes for local residents are built on top of existing riverside buildings, raised above future flood levels to provide safe and secure living spaces. These elevated units ensure that the local community can continue to live in the area, adapting to the challenges of rising water. On the park side near the fort, floating visitor units are designed to move up and down with the water levels. These structures provide flexible and comfortable accommodations while maintaining easy access to cultural landmarks, green spaces, and the vibrant surroundings. Connecting these spaces are elevated pathways and floating structures that ensure accessibility and community interaction even during flooding. These pathways reflect the area's historic relationship with waterways. They provide safe, seamless connections between residential, recreational, and cultural spaces. This design creates a dynamic environment where people can gather, explore, and live comfortably, no matter how the environment changes. It respects Mahakan Fort's rich history while addressing modern challenges like flooding and the need for more housing and visitor facilities. By balancing heritage and innovation, the project strengthens the community, supports local livelihoods, and protects the area's unique cultural and natural identity. This forward-thinking approach ensures that Mahakan Fort remains a vibrant, welcoming place for both locals and visitors, offering a model of sustainable living that embraces the challenges of the future.