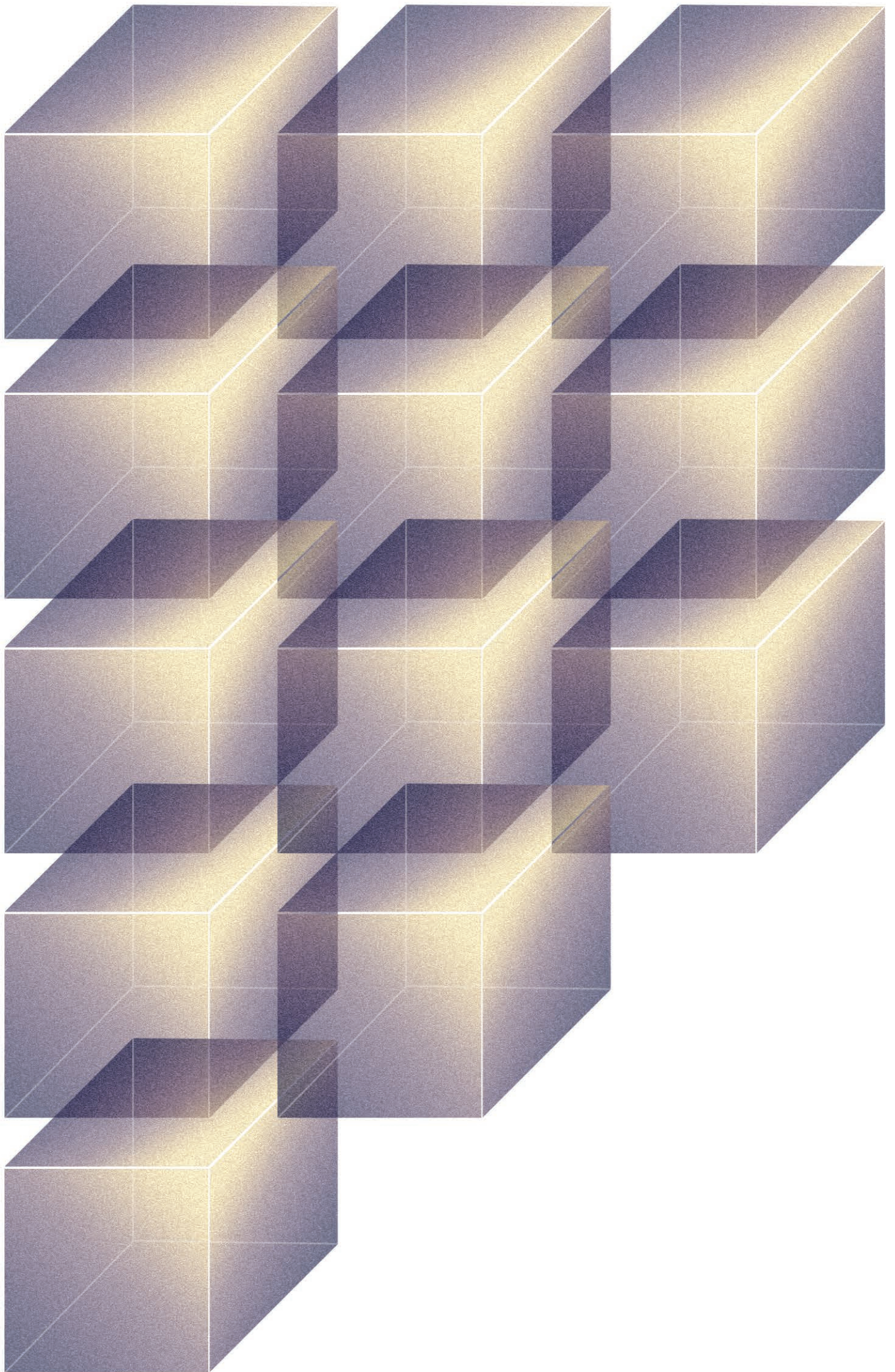


ARCH
CMU
YEAR BOOK
2020-2021







Message from the Dean

“ Hello, thank you very much for your interest in pursuing your education at ARCH CMU. It is our pleasure to welcome you to explore our prospectus and academic courses. Arch CMU was established in 1995 with a 5-year Bachelor of Architecture Program, from then we have grown to 7 academic programs from undergraduate to masters, and Ph.D. Our international programs include a 4-year B.S. in Integrated Design in Emerging Architecture (IDEA), a 2-year Joint M.Arch with Kyoto Institute of Technology and a 3-year Ph.D. for applicants holding master’s degree as well as a 5-year Ph.D. for applicants with bachelor’s degree. Among Architecture schools in Thailand, we are the one who emphasize on local wisdoms and seek ways to advance them to innovation that contribute to the betterment of our environment. Under the management team with strong vision, we can ensure to you the quality education that will expand your horizon of architectural education to the bright future ahead. I invite you all to come explore, learn more, and visit our faculty. Come join us and be a part of our family, Arch CMU. ”

PROF. DR. RAWIWAN ORANRATMANEE
Dean of Faculty of Architecture



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B.Arch

Bachelor of Architecture Program

Bachelor of Architecture Program (5-year Program) encourages study and architectural research by logical thinking and creative critical thinking, encourage the learner to discover his or her unique architectural ability to develop into the highest individual wisdom with a holistic integrated learning approach. Both theory and practice, academic and professional, modern wisdom and technology. To provide graduates with the ability and a sense of professional ethics of architecture.

YEAR 1

Fundamental Architectural Design 2

08

YEAR 2

Architectural Design Studio 2

12

YEAR 3

Architectural Design Studio 4

16

YEAR 4

Architectural Design Studio 5

20

YEAR 5

Thesis

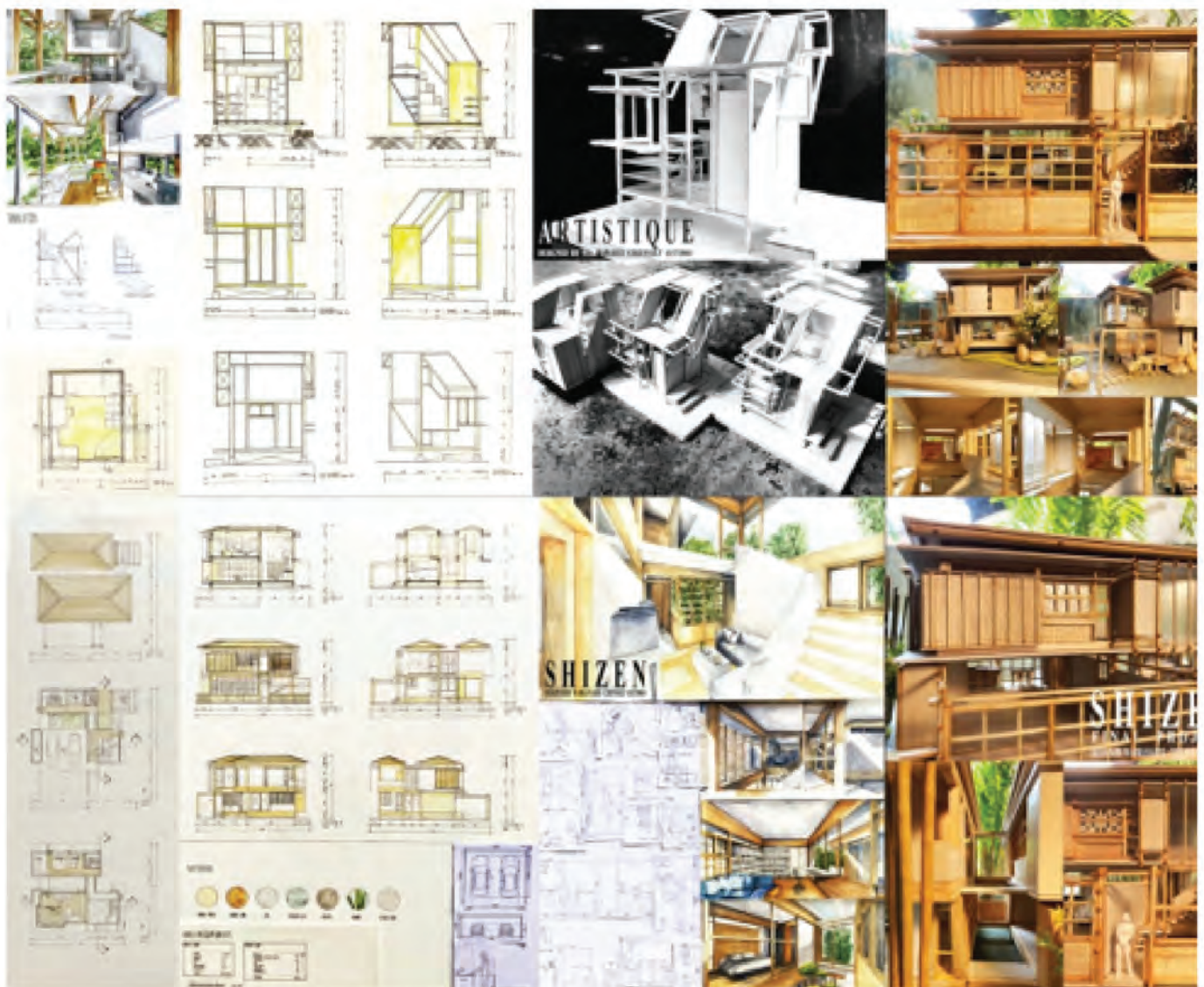
24

YEAR 1

Fundamental Architectural Design 2

Small House

Creates aesthetic skills into the basic design. Practice of painting, drafting and modeling. Study of fundamental processes in architectural design and perception, especially space and form. Learning of architectural history, basic law, geography, climate, and culture affect design. And learn more with Mathematics, Physics and English.



WARRANAREE CHIEWSILP
631710063



INTERSECT HOUSE

USER (USER INFORMATION)

CONCEPT

FUNCTION-CIRCULATION

SITE (SITE ANALYSIS)

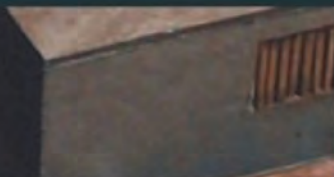
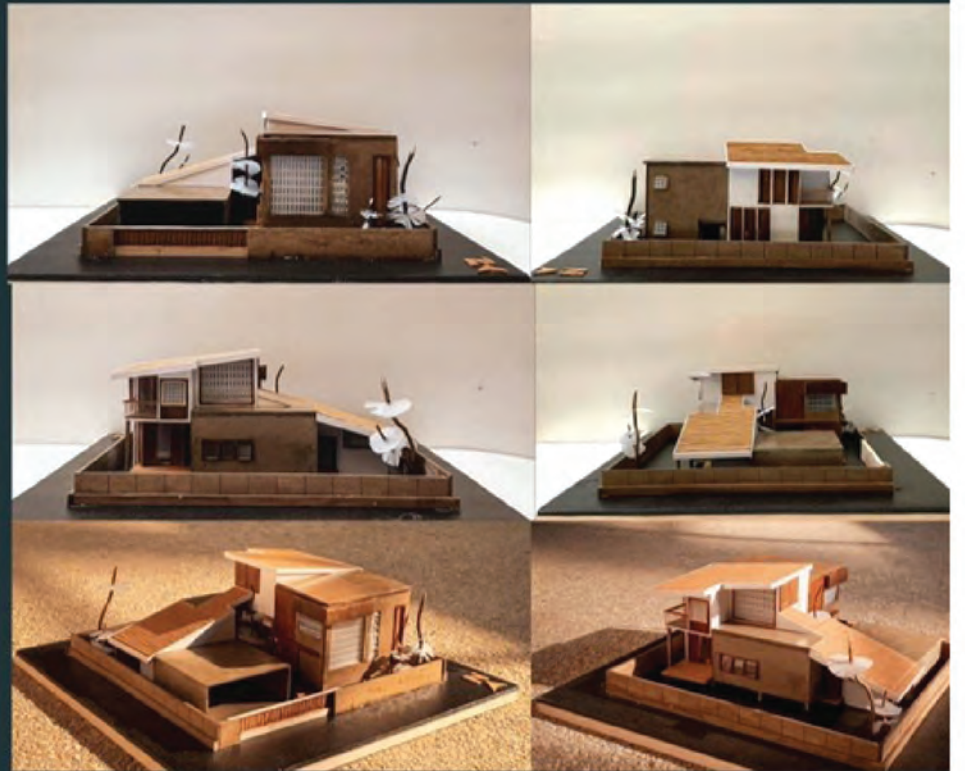
PROGRAM

MATERIALS

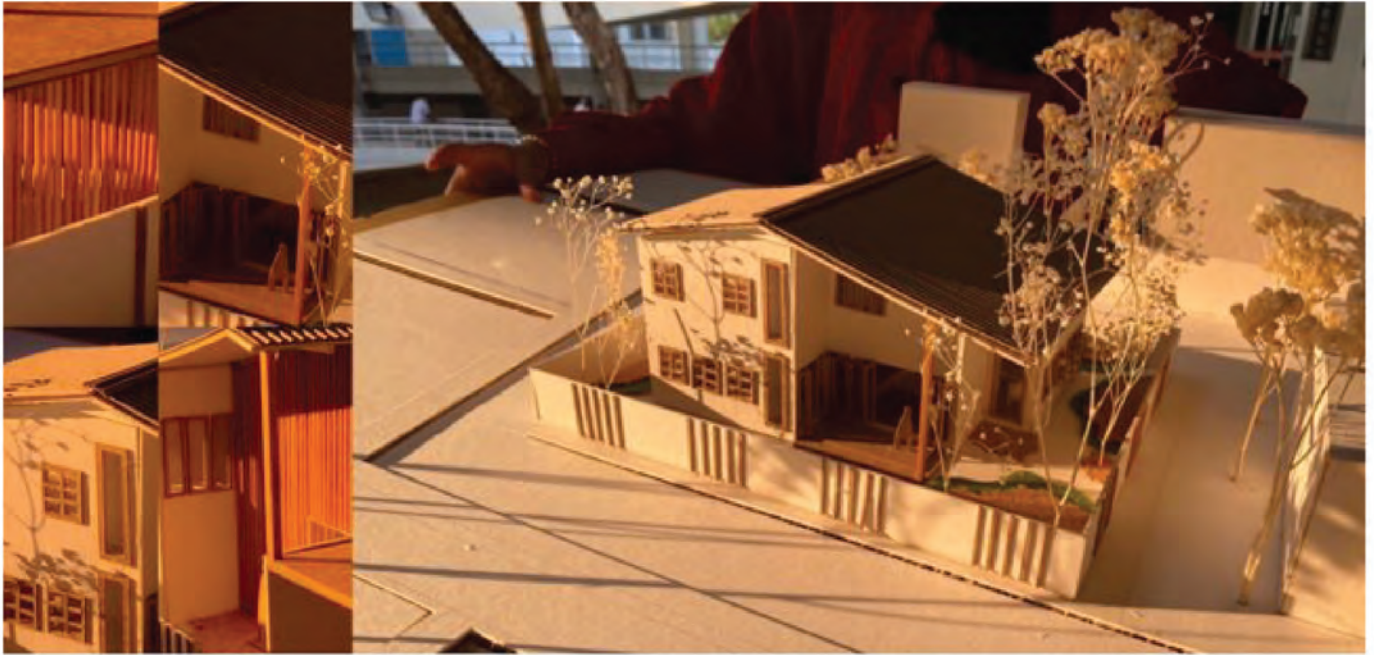
DETAILED

ARCHITECTURAL DRAWINGS

This block contains a comprehensive set of architectural drawings for the 'Intersect House'. It includes a user information section, a concept diagram, functional and circulation diagrams, site analysis, a program list, material selections, and detailed interior and exterior views. The drawings are presented in a clean, organized layout with various annotations and scales.



CHANYA DAENGBOONRAUNG
631710012



PLAN FLOOR 1



ELEVATION A
SOUTH ELEVATION



ELEVATION B
EAST ELEVATION



PAWORN RAT JAMROONRAT
631710038



NAPASAWAN THEARRANUN
631710029

YEAR 2

Architectural Design Studio 2

Creates logical skills into creative design. Study of architectural design process, which focuses on conveying ideas to spaces and function by using rhythms, proportions, and shapes. To develop historical knowledge, philosophy, computer-aided design. Study related professions including architectural structure, materials, construction and English skill.

Project 3 ***- New Normal***

500 - 700 Sqm Public Building

Students are assigned to design an architecture to support the New Normal lifestyle that tends to continue from present to the future. Students can choose a situation that could affect the way of life in various aspects; those issues could be natural disaster, man-made disaster, epidemic, or any situation that is the world's new movement that could cause the change in our lifestyle. Studying those issues, students need to analyze them through their processes and use it to design the architecture of a public building of the size between 500 – 700 square meters.

Project 4 ***- Literature to Architecture***

800 - 1000 Sqm Public Building

Students are assigned to choose a literature of their interest, which may be various in terms of genre, i.e., fantasy, sci-fi, or other genres, and analyze its story, character, place, etc. These aspects will be used to analyze the possible program and to be used as the model of the architectural design of a public building of the size between 800 – 1,000 square meters located in Thailand.

Project 5 ***- Local Craft Brand***

1300 - 1500 Sqm Public Building

Students are assigned to choose a local craft brand of their interest to study them in many aspects including the product, production process, materials, and other aspects. After analyzing those aspects, students need to design a program that relates to what they choose, study the possibilities in terms of business and apply them to the architectural design. Students are assigned to design a public building of the size between 1,300 – 1,500 square meters located in Thailand.

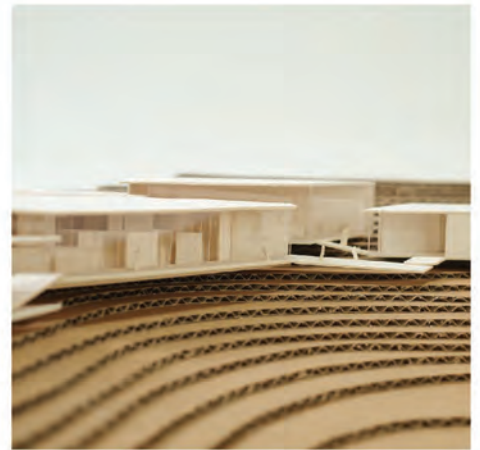
Project 3 - New Normal



CHANAKAN TANPORNPIKAK
621710015



PENSIREE SRICHAT
621710056



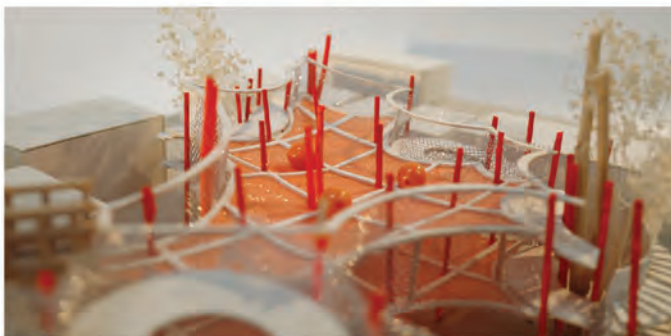
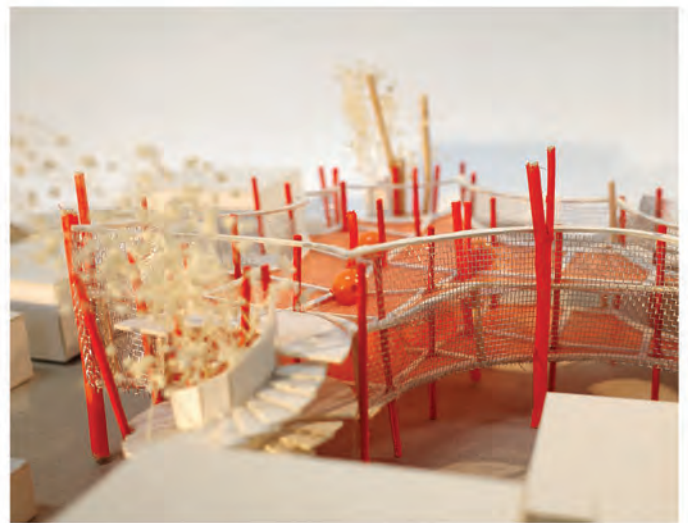
AREEYA CHAIWATTHANATRAKUL
621710078

Project 4 - Literature to Architecture



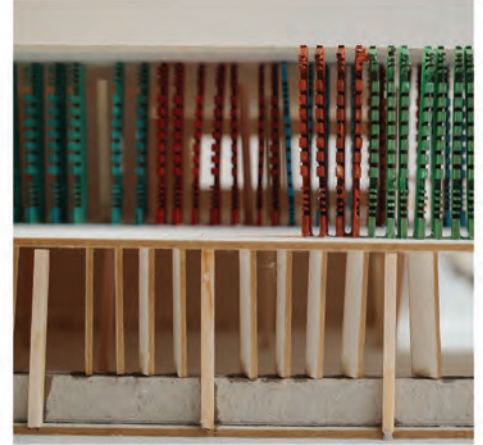
SONGFA MAXWELL
621710078

CHAYANON ROJSUPORN
621710056



SUPAWADEE TRONGTRAKUL
621710067

Project 5 - Local Craft Brand



DARALPORN WINAN
621710056

METAPORN APIRATIGOSOL
621710078



SUMINTRA WORACHANT
621710067

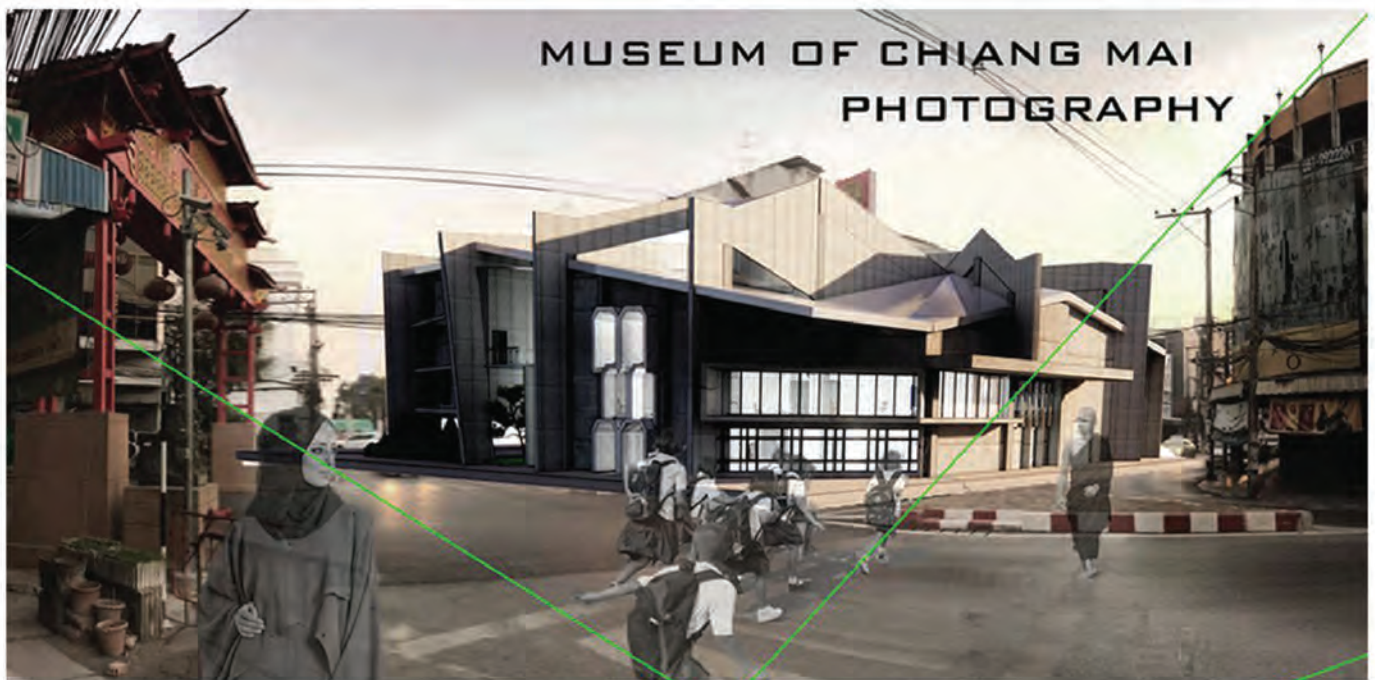
YEAR 3

Architectural Design Studio 4

Creates creative process design skills into applied contemporary design, which focuses on architectural design that can serve more practical applications. Study of architectural engineering system and energies. Enhance the history and practice of Thai and Lanna architectural design practices to create new approaches to contemporary architectural design. Learn to explore, analyze, and plan building areas. Practical construction practice, work control, process and material inspection. Solving problems and obstacles in construction.

"Chiang Mai in Transition"

The task is to design a contemporary public building of the size 2,000 - 5,000 square meters under the topic "Chiang Mai in Transition" by designing the building with the span structure longer than 10 meters and providing project design and systematic layout planning.



RATANA RATANAKEAL
611710062



SAIKLANG KITMONGKONPAISAN
611710075



PATTANAN SRIVIPAT
611710052



CNX R-STATION

+ COMMUNITY MALL AND ACTIVITY



JEERASAK INDON

611710014



WATUSIRI WONGJAI

611710069



CHATCHADA DILOKPAKIN
611710016



KONLUCK SINGSANJITGUL
611710009

YEAR 4

Architectural Design Studio 5

Creates integrated and professional design skills. Study the process of architectural design of complex functional building. Learning of architecture and community conservation, philosophy and design theory, planning, interior design, professional practice including building control and management, law, internship with a professional architecture office. And research independently on topics of interest related to architecture.

H I G H : High Rise Building Architecture

SITTIPONG DARAPONG

601710075



This high-rise building project focused on the development of hotel commercial area aiming to be a center area that could outstandingly attract tourists in Chiang Mai. Chiang Mai city is said to be a natural province; therefore, the focus of this project would be to search for the meaning of nature and stability. The architecture chosen is being compared as an inconsistent high cliff, but stable and sustainable in the nature. Area: 42928 sq.m

Rise Wave Tower

NATNAREE SRIPUNYA

601710024

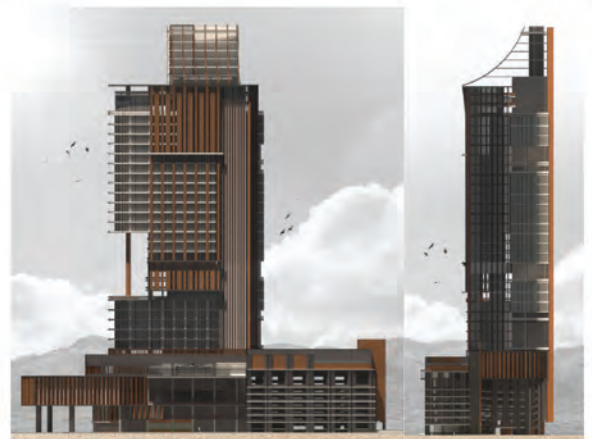


The project is a unique and modern four-star hotel of 174 rooms. Chiang Mai is a tourist attraction for many people both Thais and foreigners to come visit and relax. Therefore, the aim of the project is to upgrade the hotel to have a luxurious mood and tone with a cozy vibe in combination with a minimalist style by focusing on the 'less is more' concept and adding a sense of luxury by selecting the materials used. The twisting design is created to respond to the surroundings.



SenSu Hotel

KHEMJIRA TANACHART
601710008



This 4-star hotel has 32 floors with 200 rooms offered. It is decorated in a Japanese style architecture to create a cozy and relaxed atmosphere in the hotel. The design is simple but very convenient in terms of function; the floor plan is inclined so each room could get a perfect view. The hotel also offers services for outside guests, e.g., a 400-seat theater, fitness, dining-room, and rooftop bar.



The purpose is to design a high rise building that is coherent with the community around the project. Therefore, the Green Architecture is designed to be a prominent point that serves as a green area for the community and surrounding context. The main concept of the design is the insertion of green space.

YEAR 5

Thesis

Integrates skills into thesis. Comprehend all the knowledge to create and summarize the design of the architecture through research in both academic and architectural professions. And extensive views and experiences with excursions and special events throughout the program.

Klong Bang Yai Learning Center, Phuket

THUNTHORN KLOMSUWAN

591710033



Charoen Krung Complex

ANDA JITLEKHA

591710086



Coral Reef Conservation Center

PATSAKORN YANA

591710054



***Bang Rakam Amphibious Community Center
for Repetitive Flood Area, Bangrakam, Pitsanulok***

**MONCHAYA PAICHAYON
591710060**

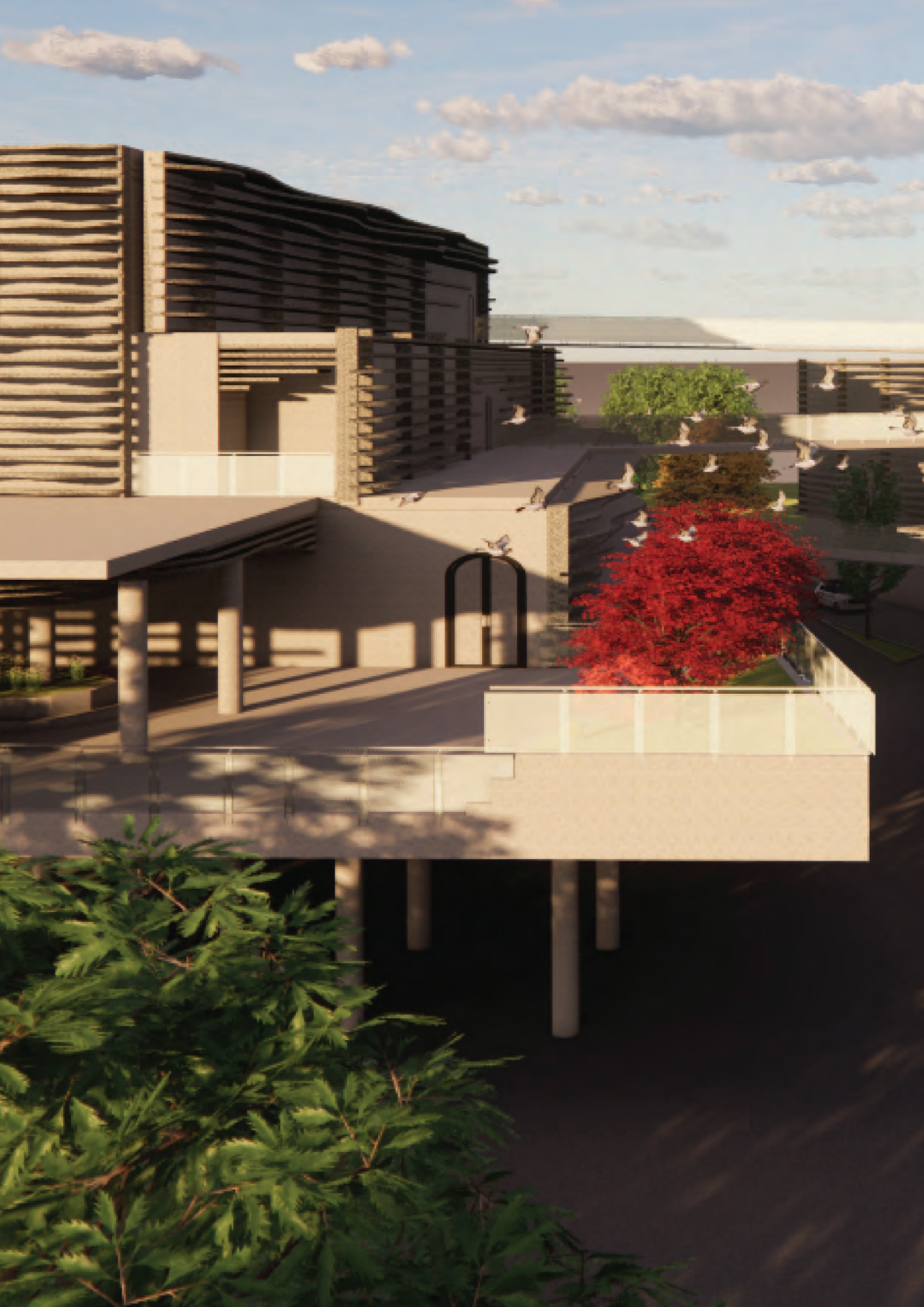


***Public Office of Cigna Insurance Public Company Limited
with the design concerning about happiness in the building***

**SIWANAT CHUSRI
591710070**







B.Sc.Arch

Bachelor of Science, Architecture Program

The degree aims to create an architectural designer (specialist). There are 4 specialty tracks: The creativity of vernacular architecture, the creativity and the conservation of community architecture, the creativity of architectural construction, the creativity of architectural imaginary.

YEAR 1 Fundamental Architectural Design 2	30
YEAR 2 Alternative Architectural Design Studio 2	34
YEAR 3 Alternative Architectural Design Studio 4	38
YEAR 4 Independent Study in Alternative Architectural Design	44

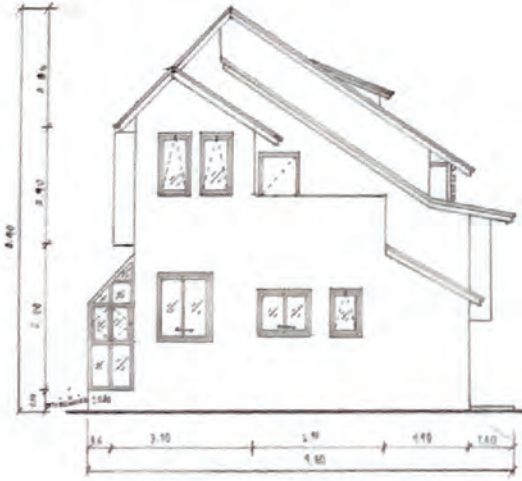
YEAR 1

Fundamental Architectural Design 2

Small House

Creates aesthetic skills into the basic design. Practice of painting, drafting and modeling. Study of fundamental processes in architectural design and perception, especially space and form. Learning of architectural history, basic law, geography, climate, and culture affect design. And learn more with Mathematics, Physics and English.

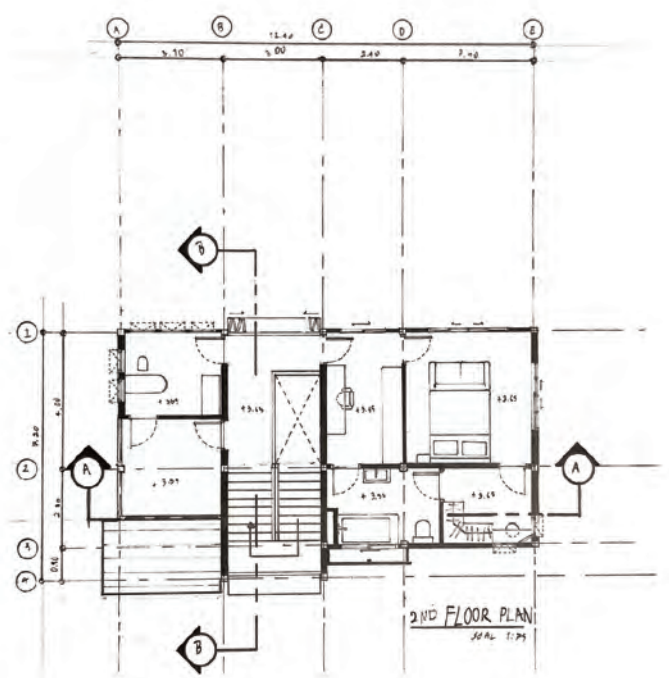
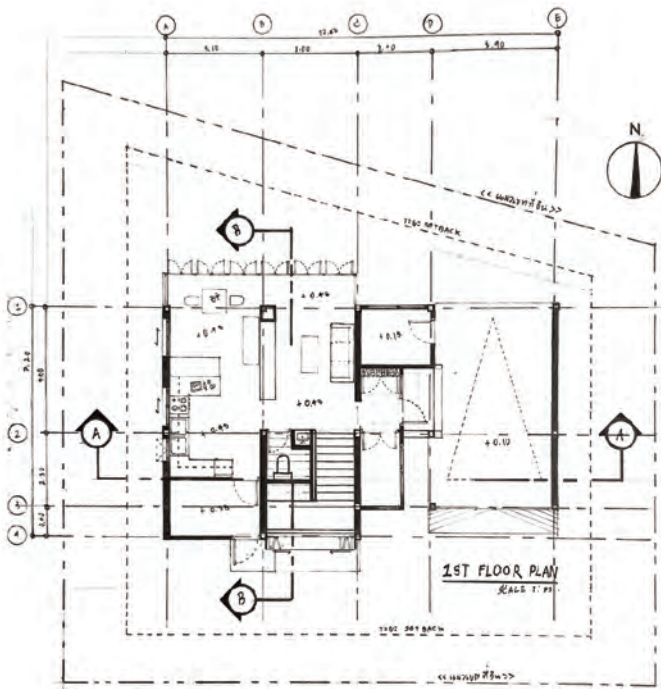




ELEVATION 03
SCALE 1:75



ELEVATION 04
SCALE 1:75



PATTARAPHUM PODANG
631710110



KAN SIRINIRAN
631710087



NUTTHANON THUMMARIYA
631710093

YEAR 2

Alternative Architectural Design Studio 2

FROM THE ARTIST

Study the artist of your interest and create a program: an art space and artist living space of an area around 2,000 sq.m. The site should be in Chiang Mai (student can choose) and the size is not fixed.

The Creativity of Architectural Imaginary

The artist chosen is KATSUSHIKA HOKUSAI. His works of views and natures are used to analyze and develop through experiment to form a space and create a mass. With a level lining from surrounding context, the hardscape is designed to create a space with variety.

Student: PAWARIS WANTAYANGNUN

The Creativity of Vernacular Architecture

The artist chosen is George Nakashima. The true materials are chosen as they change through time showing corrosion and imperfection but at the same time, beautiful. It was designed as a museum to present the history of Lanna wooden furniture and household as well as the history of Nakashima. Lanna local furniture and tools were displayed in the café that is designed for tourists and people who love furniture to visit. The place is also functioned as an accommodation for the staff, furniture shop, and a space for workshop and craft.

Student: PAKIN CHANPHONG

The Creativity of Architectural Construction

The artist chosen is Saiyart Sema-ngern, a well-known artist and carpenter who is popular in creating unique art works and furniture from natural materials under the name Saiyart Collection. A new architectural space is designed with an inspiration from old material, which shows the art and culture from the past.

Student: VASIRAWIT BOONMA

The Creativity of Architectural Imaginary

PAWARIS WANTAYANGNUN
621710095

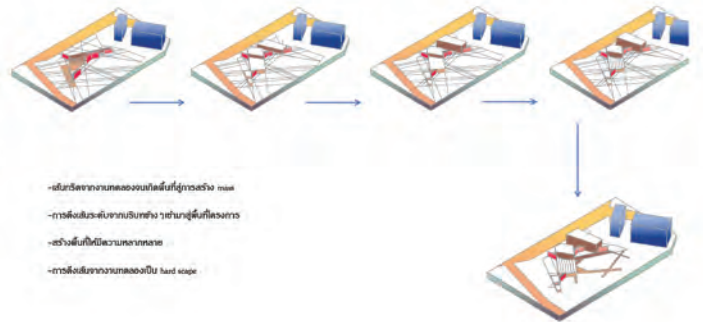


KATSUSHIKA HOKUSAI

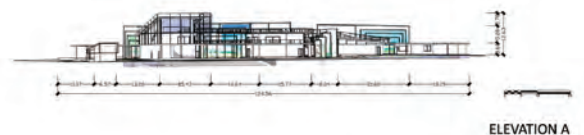
ภาพ



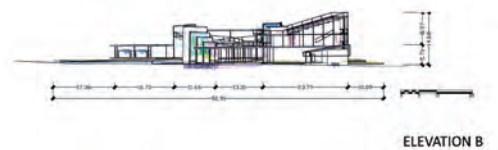
Design Develop



เริ่มจำลองsiteและค่อยสุทนต์เพื่อสร้าง layer



ELEVATION A



ELEVATION B

ตำแหน่งที่ตั้งของงานทดลอง



The Creativity of Vernacular Architecture

PAKIN CHANPHONG
621710102



PROFILE AND TIMELINE

សេវា ឆាន់ផុង (George Nakashima)
ជាអ្នកបង្កើនការយល់ដឹងអំពីការប្រើប្រាស់ធាតុធាតុដើមធម្មតា ក្នុងការសម្រេចបាននូវលទ្ធផលស្រស់ស្អាត និងមានលក្ខណៈប្រសើរជាងគេ។

1905 ឆ. ឆាន់ផុង ឆាន់ផុង បានក្លាយជាសិស្សបរិញ្ញាបត្រ នៅ MIT (Massachusetts Institute of Technology)

1929 ឆ. ឆាន់ផុង បានបង្កើតក្រុមហ៊ុនឯកជន ឯកសារ ឆាន់ផុង

1930 ឆ. ឆាន់ផុង បានបង្កើតក្រុមហ៊ុនឯកជន ឯកសារ ឆាន់ផុង

1954 ឆ. ឆាន់ផុង បានបង្កើតក្រុមហ៊ុនឯកជន ឯកសារ ឆាន់ផុង

1961 ឆ. ឆាន់ផុង បានបង្កើតក្រុមហ៊ុនឯកជន ឯកសារ ឆាន់ផុង

1968 ឆ. ឆាន់ផុង បានបង្កើតក្រុមហ៊ុនឯកជន ឯកសារ ឆាន់ផុង

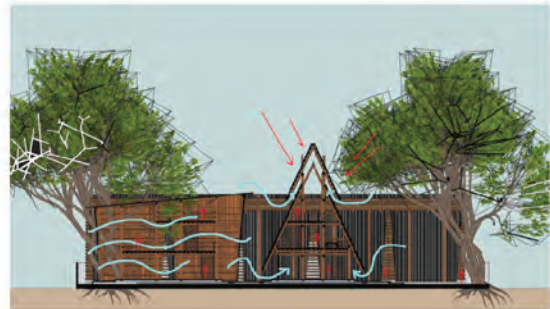
1990 ឆ. ឆាន់ផុង បានបង្កើតក្រុមហ៊ុនឯកជន ឯកសារ ឆាន់ផុង



SITE

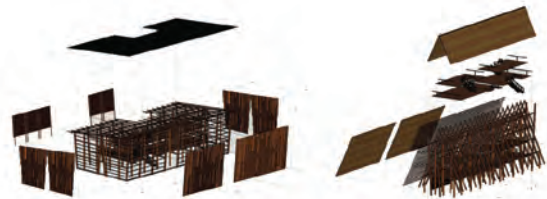
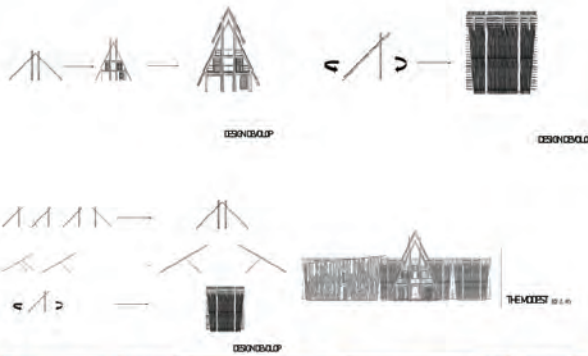


- 1 វិញ្ញាណ
- 2 SHOP
- 3 CAFE
- 4 បន្ទប់ស្នាក់
- 5 បន្ទប់ស្នាក់
- 6 បន្ទប់ស្នាក់



SECTION

LAYOUT



The Creativity of Architectural Construction

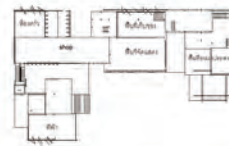
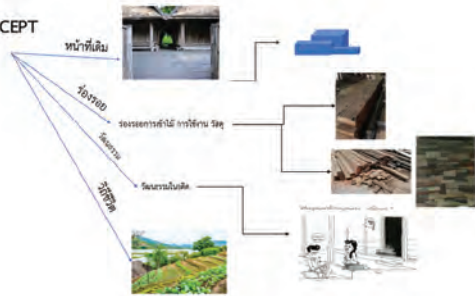
VASIRAWIT BOONMA
621710106



ไสยาสน์ เสมอเงิน เป็นที่รู้จักทั่วไปในนามของศิลปินช่างไม้ ด้วยความสามารถในการสร้างสรรค์ผลงานจากวัสดุธรรมชาติ ให้ออกมาเป็นงานศิลปะและเฟอร์นิเจอร์ที่มีความสวยงาม มีเอกลักษณ์เฉพาะตัวภายใต้ชื่อ Saiyart Collection

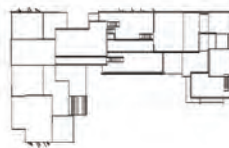


CONCEPT

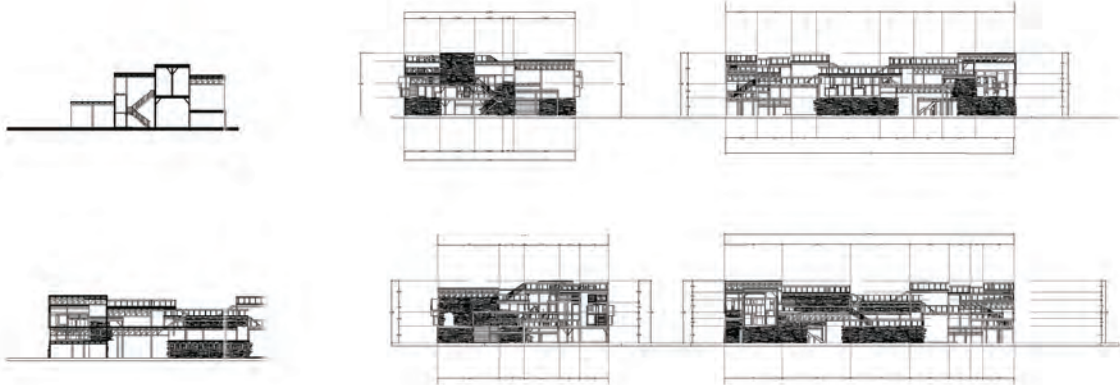


แปลนชั้นที่ 1

แปลนชั้นที่ 2



TOP



YEAR 3

Alternative Architectural Design Studio 4

Alternative Architectural Design Studio 4

Students are assigned to design a 2,000 – 5,000 square meter public building in “Sichang Island.” The study of science, philosophy, belief, media, interpretation, experiment, community, wisdom synthesis, and space creation should be used in the project to present the details of the lifestyle under Sichang Island environmental context.

The Creativity of Architectural Construction

Student: TAI VILAINATE

The Creativity of Architectural Imaginary

Student: PHOBPASIT SINGSRI

Student: PANUWAT DONTONG

The Creativity and the Conservation of Community Architecture

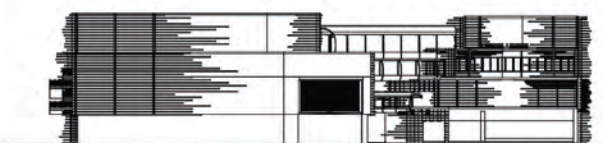
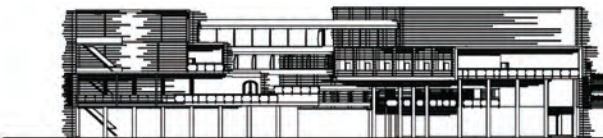
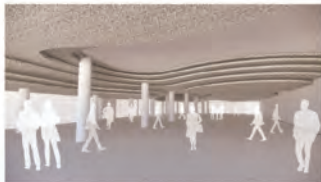
Student: SIRIPASSORN UKIATKUN

The Creativity of Vernacular Architecture

Student: NOPPARUT WONGOAD

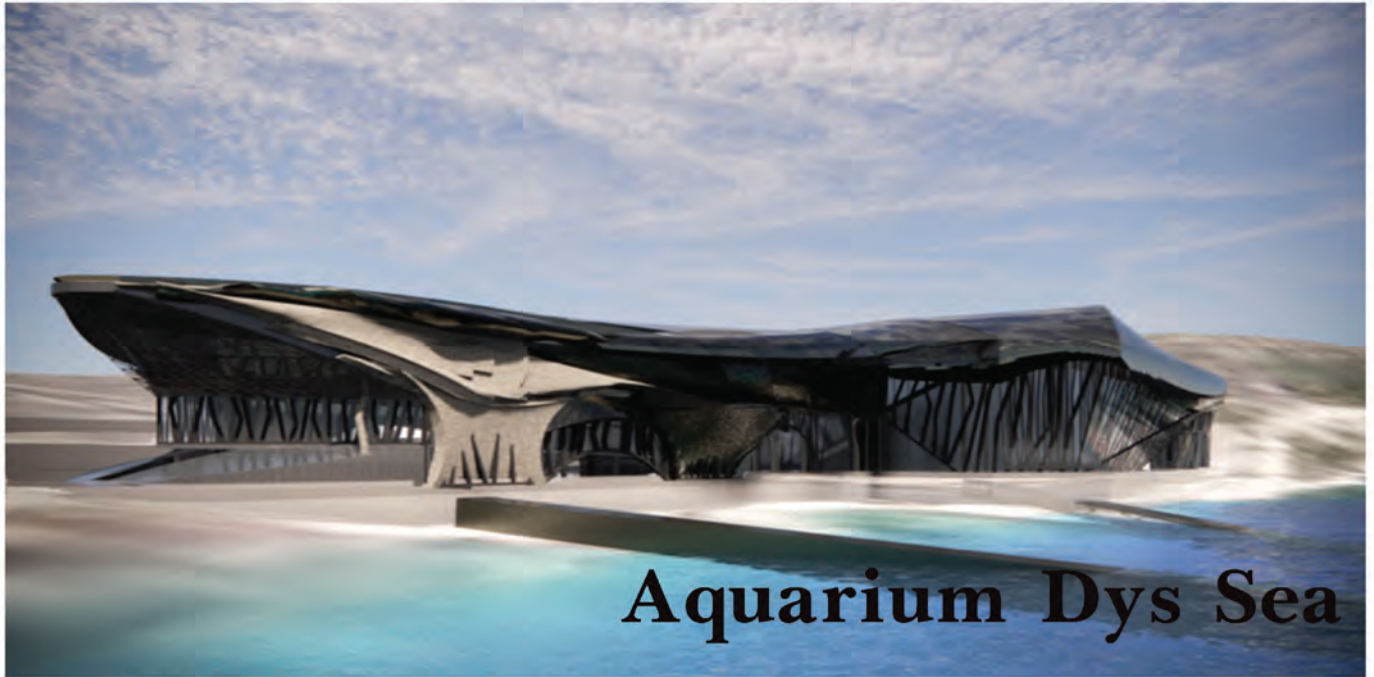
The Creativity of Architectural Construction

TAI VILAINATE
611710108



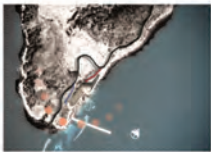
The Creativity of Architectural Imaginary

PHOBPASIT SINGSRI
611710088



Aquarium Dys Sea

Site



- ระหว่างท่าชายหิน กับแหล่งปลูกเกาะสีชัง
- ที่เลือกหาสถานที่เพราะเป็นจุดที่เห็นบริบทและปัญหาของเกาะได้ครบถ้วน
- ภูเขาหินที่อยู่รอบเกาะมีจุดชมวิวยอดนิยม
- ปัญหาของเกาะสีชัง
- ปัญหาเรื่องคนเลี้ยงคิงคองที่ผิด



ที่มาของโครงการ

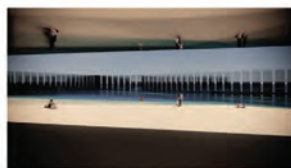
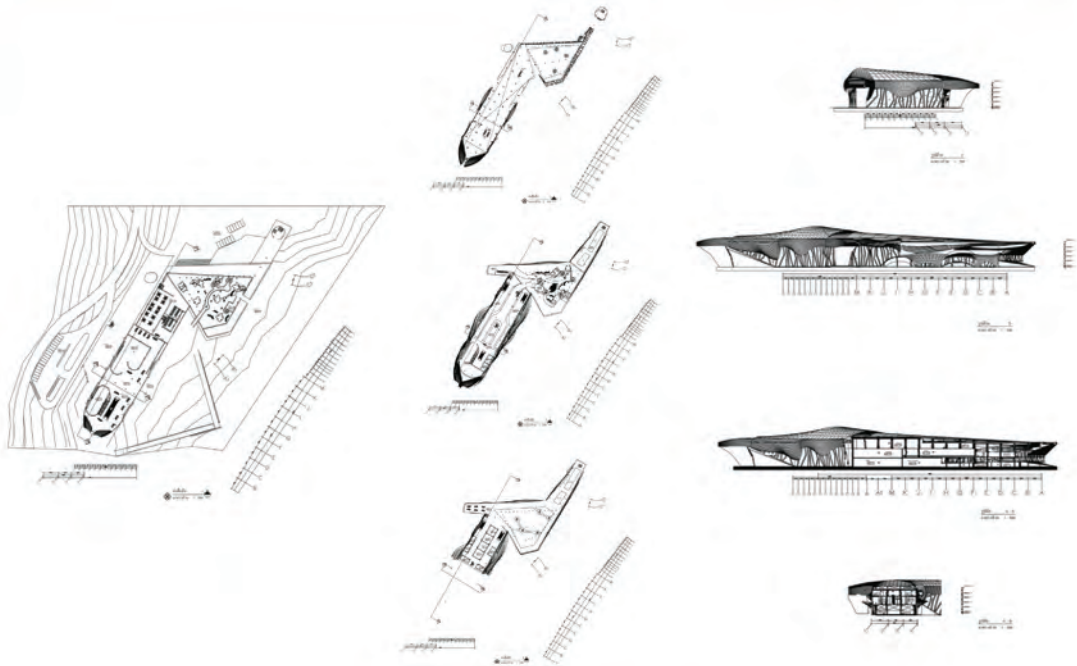
- ให้ตระหนักถึงปัญหาของทะเล จากอุตสาหกรรม การเกษตร และ การท่องเที่ยว
- อนุรักษ์ธรรมชาติ การท่องเที่ยวบนเกาะสีชัง
- อนุรักษ์ ธรรมชาติของเกาะสีชัง
- อนุรักษ์ ธรรมชาติของเกาะสีชัง
- อนุรักษ์ ธรรมชาติของเกาะสีชัง
- อนุรักษ์ ธรรมชาติของเกาะสีชัง

Concept

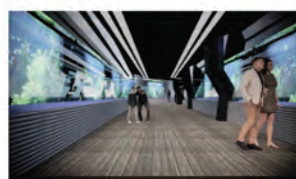
Dystopia อนาคตที่เลวร้ายจากฝีมือมนุษย์ โลกแห่งอุตสาหกรรมที่ส่งผลกระทบต่อสิ่งแวดล้อม คือผ่านบริบทเกาะสีชัง และปัญหา เกาะสีชังที่แท้จริง เช่น ปัญหา ภูเขาหิน/การขนส่งทางทะเล เกิดความไม่มั่นคง/น้ำท่วม/ ภัยของทะเลกับสัตว์ทะเล โดยให้คนมาเที่ยวชมผ่านพื้นที่ต่างๆในสวน

Develop

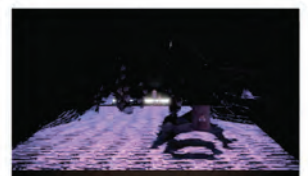
นำวิสัยทัศน์ site มาออกแบบและรายละเอียดบริบทในสวนขึ้นและนำสู่การก่อสร้าง ด้วยวิธีการที่แตกต่าง



พื้นที่ที่เดินชมสัตว์ทะเลในน้ำ โดยให้คนมาเที่ยวชมผ่านพื้นที่ต่างๆในสวน



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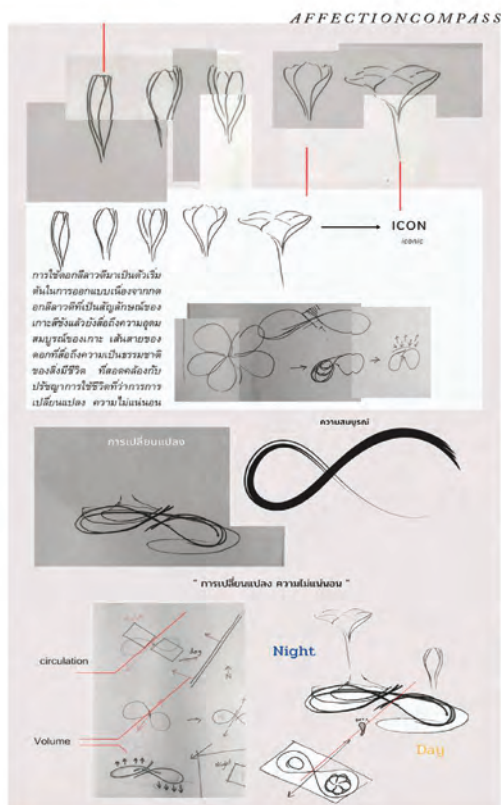
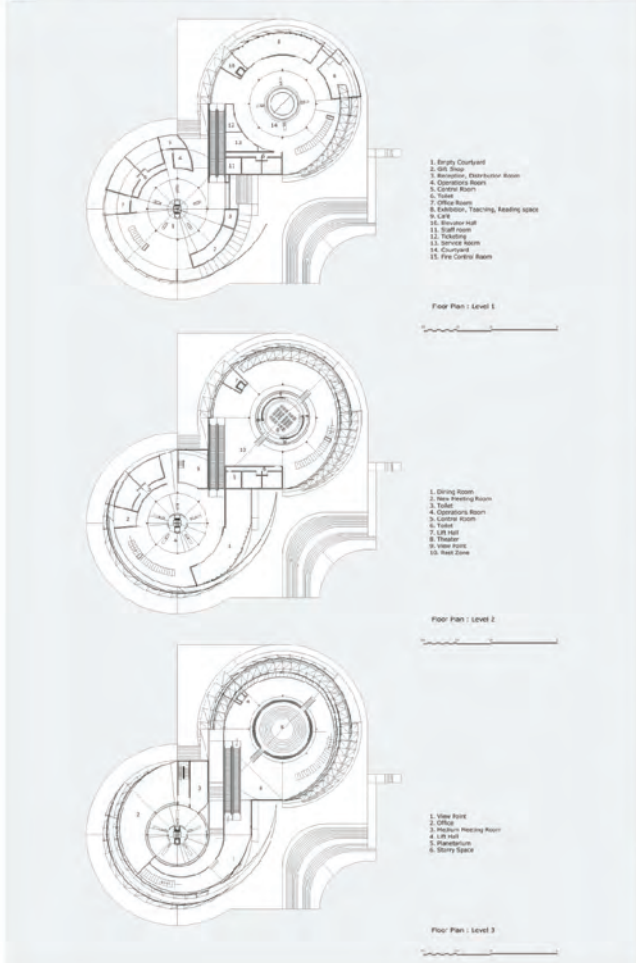
The Creativity of Architectural Imaginary

PANUWAT DONTONG
611710089



AFFECTION COMPASS

Tower dreams since 1997



ประภาคาร (Light House) คือการสร้างสรรค์ที่มีความสำคัญ
การคิดเรื่องใช้สีในการตกแต่งผนังและบริเวณโดยรอบ
เริ่มที่ตอนมีต้นเรือ โดยเป็นรูปปั้นประภาคารที่
ถูกพัฒนาให้มีความน่าสนใจมากขึ้น รูปทรงและสี
แปลกตาที่ไล่ตั้งแต่สีน้ำเงินเข้มในการสร้างผนังสูง
สว่างจาก ไม้ สดจาก สี ที่ มี สี ก ด้
แต่เป็นรูปปั้นประภาคารที่สร้างขึ้นโดยกลุ่มศิลปิน
จากเกาะประภาคารที่ไม่ได้ใคร่สร้างแต่เป็นการนำ
ศิลปะการปั้นดินเหนียวในการสร้างประภาคารที่
อาคารที่ทรงพลังที่ตระหง่านเด่นชัดและที่
ที่ก่อตัวที่เต็มไปด้วยความหมายที่ซ่อนเร้น
ผ่านไปอย่างที่ไม่คาดคิดของวัฒนธรรมที่เก่าแก่
แต่มีความงามแบบธรรมชาติที่ซ่อนเร้นไว้ให้
สวยงามยังเป็นตัวช่วยที่ความสนใจของ
นักท่องเที่ยวและผู้มาเยือนประภาคารได้มี
ประภาคารเป็นต้นการวิ

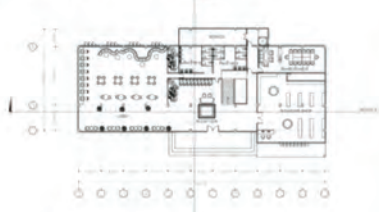


The Creativity and the Conservation of Community Architecture

SIRIPASSORN UKIATKUN
611710093



1ST FLOOR PLAN



- User
1. ชาวบ้าน และชาวประมง
 2. เด็ก และเยาวชน
 3. นักท่องเที่ยว

การออกแบบโดยใช้การรับรู้
อดีตความเป็นมา
และบริบทของเกาะ



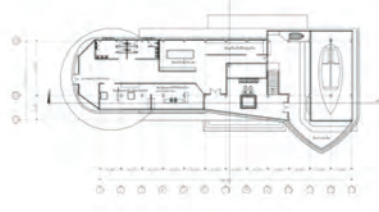
2ND FLOOR PLAN



- ส่วนที่ 1
- Parking
 - พื้นที่ส่วนต้อนรับ และ
จุดบริการนักท่องเที่ยว
 - ส่วน Service
 - ส่วนบริการอาหาร
 - Souvenir shop



3RD FLOOR PLAN



- ส่วนที่ 2
- พิพิธภัณฑ์ประวัติศาสตร์พื้นถิ่น
เกาะลันตา
 - การบริการ Skywalk



- ส่วนที่ 3
- พื้นที่ส่วนศูนย์การเรียนรู้
ของเด็กและเยาวชน
 - พื้นที่ Community space



The Creativity of Vernacular Architecture

NOPPARUT WONGOAD
611710084



PROJECT : KOH SECHANG

[TRADITION BOAT LEARNING CENTER]

THIS PROJECT HAPPEN CAUSE OF THE POLICY OF IS LAND THAT WHAT TO BE A TRAVEL ISLAND WHICH CANNOT ALL TRAVEL IN ONE DAY AND WANT TO REVEAL THE TRADITION OF ISLAND SO 'SMALL BOAT' IS ONE OF ISLAND TRADITION



YEAR 4

Independent Study in Alternative Architectural Design

The Creativity of Architectural Construction

Guidelines for Development of Field Hospital with Assembly Structure Type

Medical services during crisis or disaster are very important and are what should always be prepared including medical supplies, staff, and equipment for field hospital in order to support the work and to adjust any inconvenience to become more suitable.

Student: CHALOTORN APIWONG

The Creativity and the Conservation of Community Architecture

Home Stay for ecotourism and income promotion for Koh Panyee, Phang-nga Province

The history of Phang-nga province is one of the examples that reflects the positive and negative effects that tourist expansion has on local community, especially on Koh Panyee or as commonly known as a "floating village." Koh Panyee is an important tourist attraction of Phang-nga Province because of the community's outstanding characteristic that is different from other island communities. The village is a small community with a plain of 1 rai (1,600 sq.m.) and a population of 1,800 from 320 families. People live there under ecological condition and their lives mainly rely on environment. After Koh Panyee continually promotes itself for tourism, in consequence, people's live in the island community have also changed.

Student: TIRATTHIDA PATSA

The Creativity of Architectural Imaginary

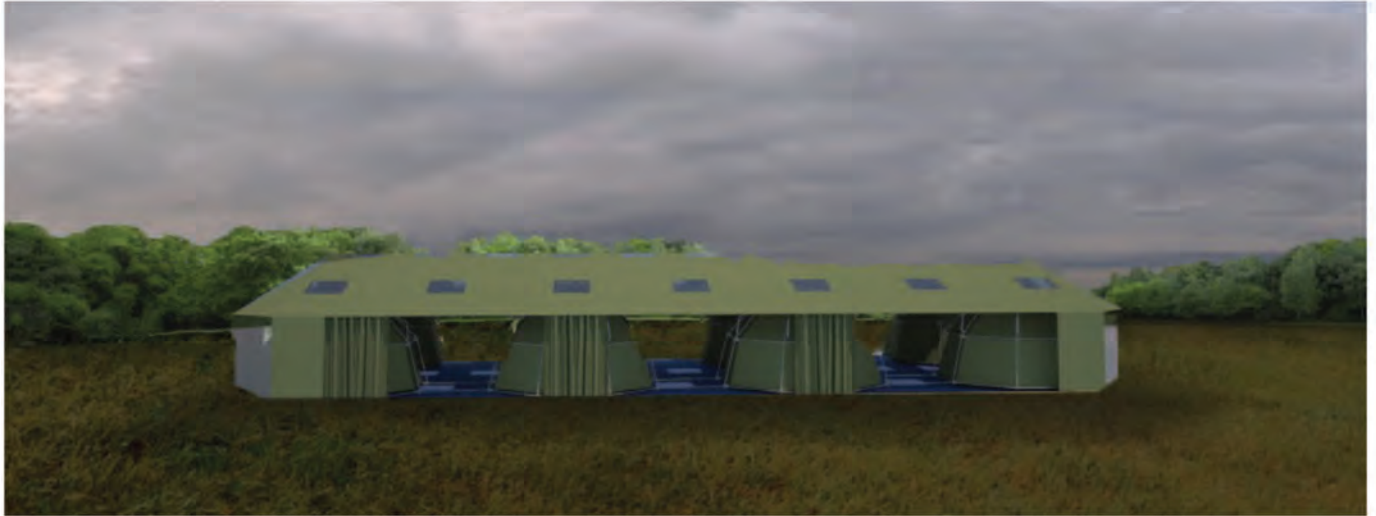
Pre School of Encouragement Learning through Nature Art

Tale = Architecture | In children's drawings, images of nature including earth, water, wind, and fire are shown appearing in different line patterns used, which also portrays children's innocent feelings and imagination. Picture books and children's drawings are used to design an architecture that could improve children's 4 basic skills. The design tries to link children with nature, link nature with architecture, and link architecture with children. The concept is to indirectly recognize nature through decoding picture books in order to create images of nature in architecture.

Student: NATTHAWAN CHAHAE

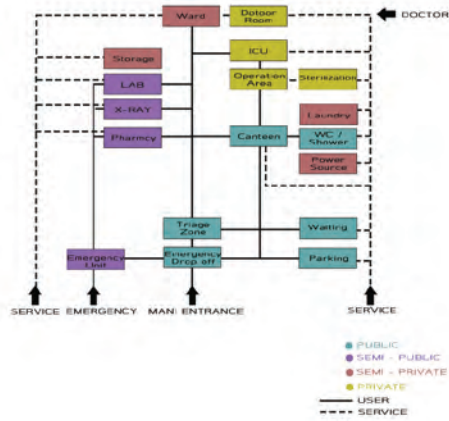
The Creativity of Architectural Construction

CHALOTORN APIWONG
601710093



แนวคิดได้มาจากกรการกลางรม ซึ่งเป็นโครงสร้างที่ความลงตัวในเรือของกรใช้งานและการเก็บและความหมายของรรมยังมีควมหมายในเชิงบวกหมายถึง การที่เรารักใคร่ ดูแลเอาใจใส่ มีความปรารถนาที่จะช่วยปกป้องอันตรายที่อาจจะเกิดขึ้นได้

กำหนดขนาดสัดส่วนและรูปแบบของสถาปัตยกรรมโดยการกำหนดความกว้างความยาวความสูงของตัวอาคารที่เหมาะสมกับการใช้งานด้วยรูปร่างและสัดส่วนของคนไทยตลอดจนต้องคำนึงถึงความต้องการพื้นที่ใช้สอยภายในสถาปัตยกรรมอีกด้วยโดยสถาปัตยกรรมทรงโดมที่ก่อสร้างด้วยชิ้นส่วนสำเร็จรูปนี้ ผู้ศึกษากำหนดให้ขนาดเส้นผ่านศูนย์กลางเริ่มต้น 5 เมตรสูง 2.5 เมตร มีพื้นที่ใช้สอยประมาณ 19.635 ตารางเมตร และสามารถขยายชิ้นส่วนให้โครงสร้างมีพื้นที่ใช้สอยมากขึ้นได้



กำหนดวัสดุที่ใช้ในการก่อสร้างสถาปัตยกรรมรูปทรงโดมได้กำหนดวัสดุที่ใช้ในการผลิตชิ้นส่วนสำเร็จรูปคือเหล็กและอลูมิเนียมขึ้นรูปตามแบบที่กำหนด

ท่อ EMT เป็นเสาโครงสร้างของโครง ขนาด 3/8 หนา 1.2 mm

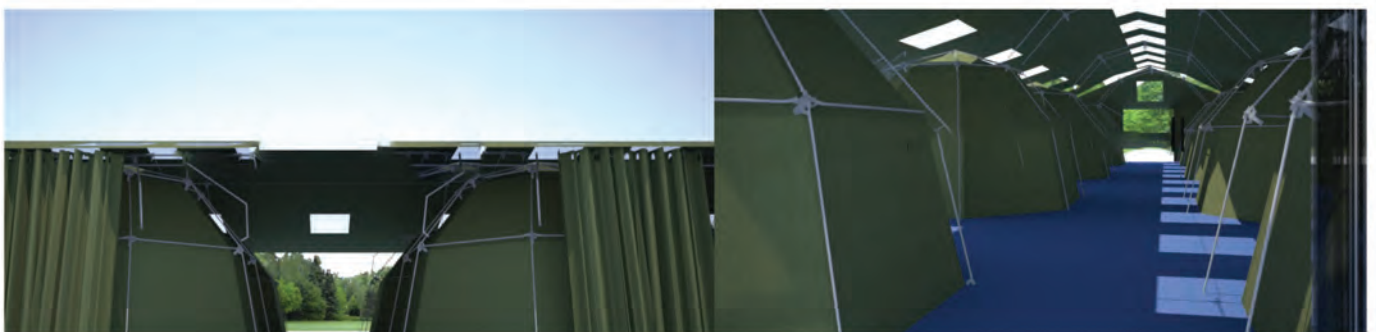
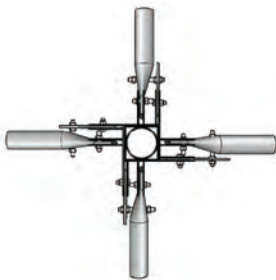
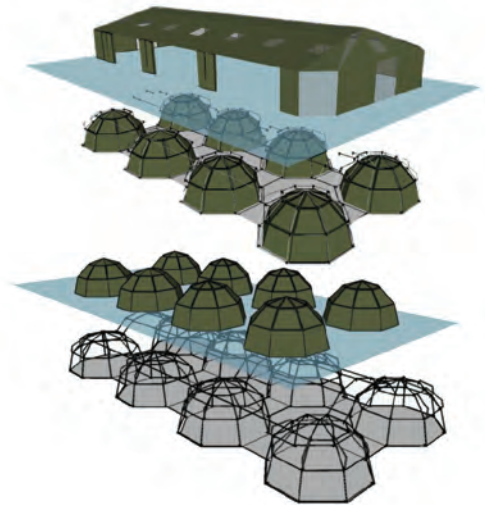
เหล็กกล่อง เป็นส่วนประกอบ JOINT ขนาด 3/4 หนา 1.2 mm

เหล็กทอกลม เป็นส่วนประกอบ JOINT ขนาด 3/4 หนา 1.2 mm

ผ้าใบ หนา 1 mm.

ผ้าปลายซีท

มุ้ง



The Creativity and the Conservation of Community Architecture

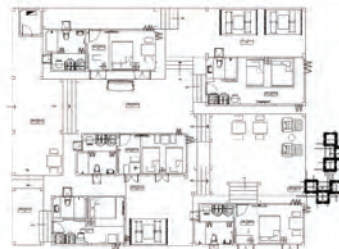
TIRATTHIDA PATSA
601710099



Zone A คือเขต ที่มีที่พักอาศัย 5 ที่พัก และพื้นที่บริการ

Zone B ทำเรื่องทำทะเบียนคน จะ เป็นพื้นที่ส่วนกลางและทำเรือ

Zone C เป็นส่วนทำทะเบียนที่พักอาศัย 7 ที่พักและพื้นที่บริการ





B.L.Arch

Bachelor of Landscape Architecture Program

The Bachelor of Landscape Architecture Program is the course that aims to preserve and improve local architecture creatively and sustainably for the environment, economy, society, and culture. The principle is to integrate the local identity and architectural knowledge to design and solve issues to blend with the environment uniquely for both nationally and internationally.

YEAR 1

Landscape Architectural Design Studio 2

MIDTERM PROJECT :

HOME SCAPE – Private Residence (Home - 150 sqm.)

50

FINAL PROJECT :

WORKPLACE – Activity Based (Office - 4,562 sqm.)

52

MIDTERM PROJECT

HOME SCAPE – Private Residence (Home - 150 Sqm)

Students are assigned to design a garden of a private residence in Chiang Mai by setting the house on a lot area of 760 sqm or 0.5 rai (including the house area) with a floor area of not more than 150 sqm, beam span length not more than 5 meters, and ceiling height not more than 4 meters. The garden should be designed corresponding with the area condition and should promote a good quality of life, which will create a comfortable living space and a good atmosphere in the house. The garden should build a relationship between indoor and outdoor space as well as create a beautiful and interesting view that could support the activities conducted outside of the building in response to the need of the residents. The design should highlight the outdoor space to serve as a living space with usable areas, atmosphere, plants, and other elements in landscape design.



CHANEY TADEE
631710123



BENJAPON YEANGYANG
631710127



SUWARA SAMPHAO
631710135

FINAL PROJECT

WORKPLACE – Activity Based (Office - 4,562 Sqm)

Students are assigned to design a space between office buildings in the area of 4,562 sqm or around 2.85 rai by managing the space between office buildings to be as an interesting outdoor usable space. The design should create a good atmosphere for the community and should build a relationship between indoor and outdoor space as well as create a beautiful and interesting view that could support the activities conducted outside of the building in response to the need of the user. The design should highlight the outdoor space to serve as a living space with usable areas, atmosphere, connecting walkway, plants, and other elements in landscape design.



HATSAKAMOL CHUASAARD
631710137



WANRITA NONDETKUN
631710141



SIRAPHOB MANEEWAN
631710142



ANALYSIS

LEATCH / HAYASHI



ASPECT

- 1. Building orientation
- 2. Building height
- 3. Building massing
- 4. Building materials

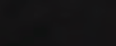
ANALYSIS



ANALYSIS



ANALYSIS



ANALYSIS

DRYAD

CONCEPT

Conceptual description of the project goals and objectives.

LSP

- 1. Landscape
- 2. Structure
- 3. Program
- 4. Path

ZONING / PROGRAMMING

1. Landscape programming
2. Structure programming
3. Program programming
4. Path programming

Diagram illustrating the zoning and programming of the project.

Diagram illustrating the zoning and programming of the project.

Diagram illustrating the zoning and programming of the project.

Diagram illustrating the zoning and programming of the project.

Diagram illustrating the zoning and programming of the project.







IDEA

Integrated Design in Emerging Architecture 4-year B.Science (International Program)

Integrated Design in Emerging Architecture (IDEA) is a 4-year Bachelor of Science (B.Sc) English language international program offered by the Faculty of Architecture, Chiang Mai University. The program is dedicated to nurture students' critical thinking and independent design capabilities with the knowledge of the latest digital design and fabrication skills that are increasingly being sort-after in the architectural and design community both locally and overseas.

YEAR 1

Poetics of the "Everyday" Space

58

YEAR 2

Space Within Space

64

YEAR 3

Pavilion

68

YEAR 4

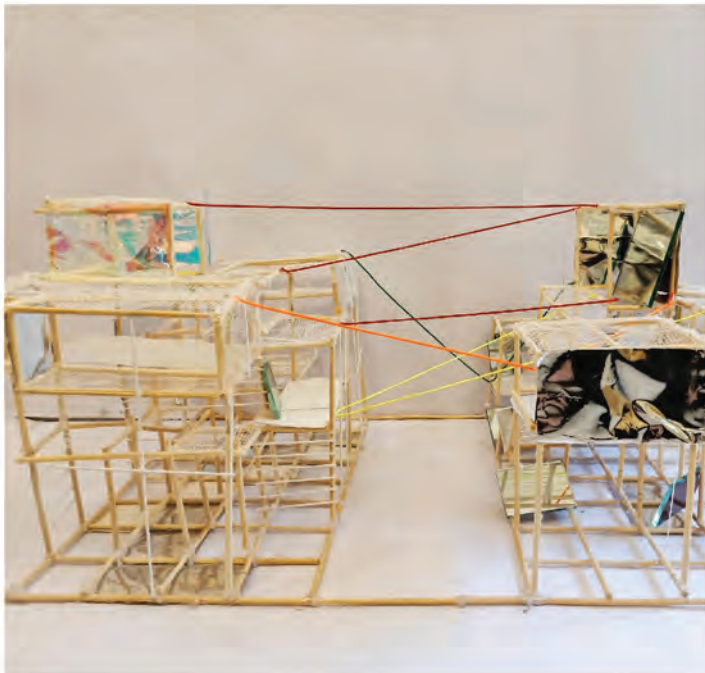
70

YEAR 1

Poetics of the "Everyday" Space

Chess Life

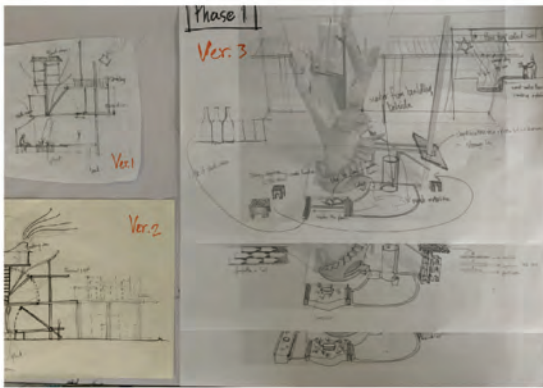
JUNYI CHEN
631715504



My work is mainly from chess. I choose a pavilion that I must pass through every day. Although it is just an ordinary pavilion, a complex and interesting activity is popular here, namely chess, where two people fight. There are often many different on lookers around. My idea is from chess to life, from 2D to 3D, and also for the chess players, but also for the onlookers. Different angles of view change, I use colored lines to indicate, can be convenient for everyone to watch the battle. The ups and downs of the model is made according to chess's moving strategy because life is like chess, there are rules and strategies, every move needs to be considered, and everyone has a unique life.

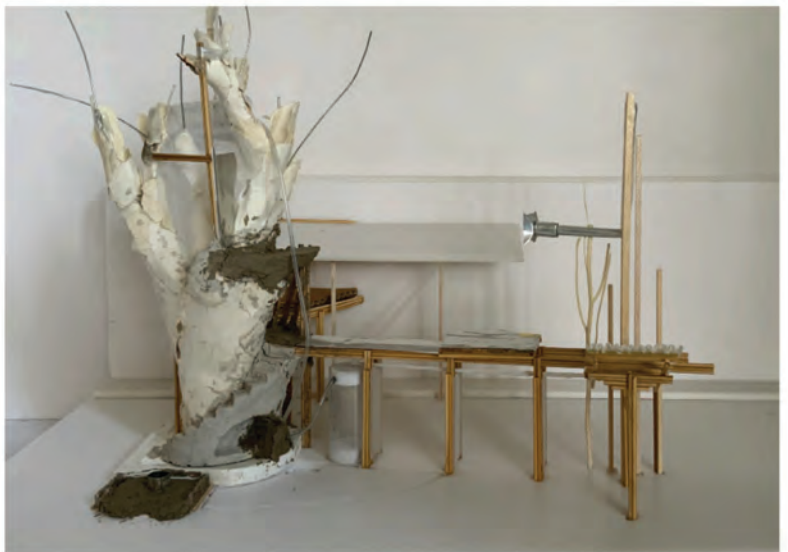
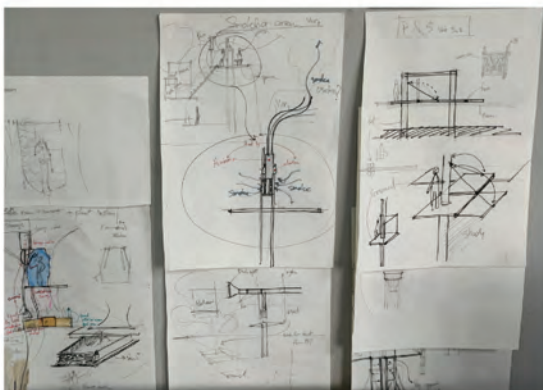
Frankenstein

PREM CHEDITHA
631715001



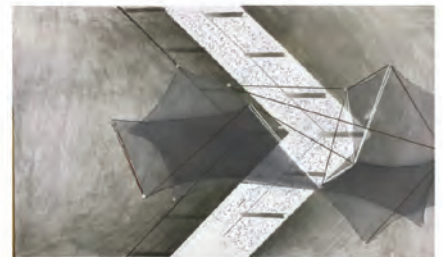
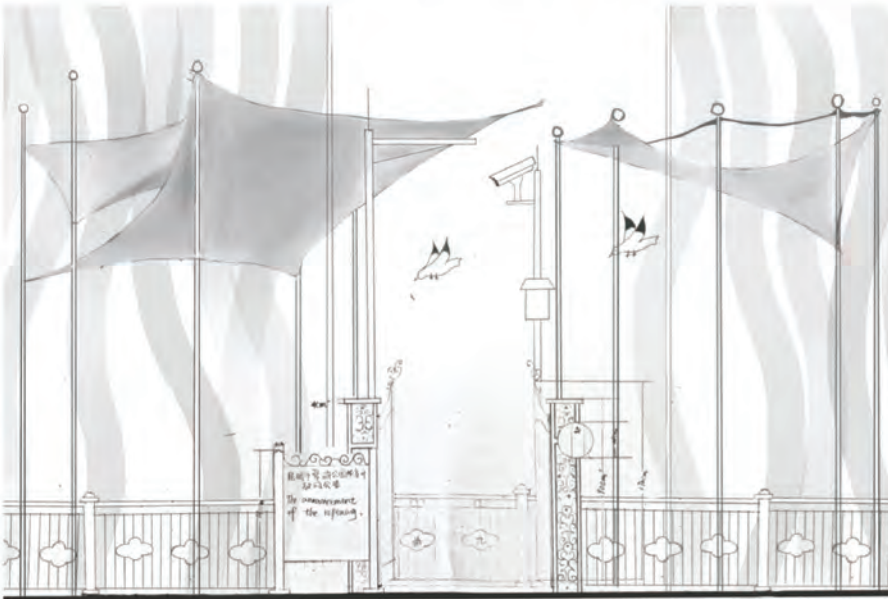
My project is about research Lhangmor street.

- > Keep inspiration from food trucks which is "Frankenstein".
- > analyze user behavior in Lhungmor street.
- > Create space by using inspiration from food truck and this space will change according to the needs of different users.
- > And this annex can develop by itself endlessly.



Green Lake

RUIRU RAO
631715508



Regarding the space, I chose the exchange of a bridge over the green lake, because this corner is the most popular feeding place in winter. In winter, many seagulls spend the winter here, and this bridge is the best feeding ground. Then I remembered the word migration, and when I looked at what I was going to take with me, I realized that, in addition to the purpose and function of these things, I had a memory that I wanted to take with me, and then I tried to apply that logic to seagulls. So, when the Seagulls leave, I want to create something that people can still cherish, enjoy or remind them of. So, my whole model has to do with seagulls, starting with the black stocking, which is basically a representation of how seagulls fly. And the thread, which has to do with the migration of seagulls. And finally, the white ribbon, it was designed so that people on the bridge, like the Seagulls, could feel the wind in the air.

Express Station

XIAOXUE HU
631715511

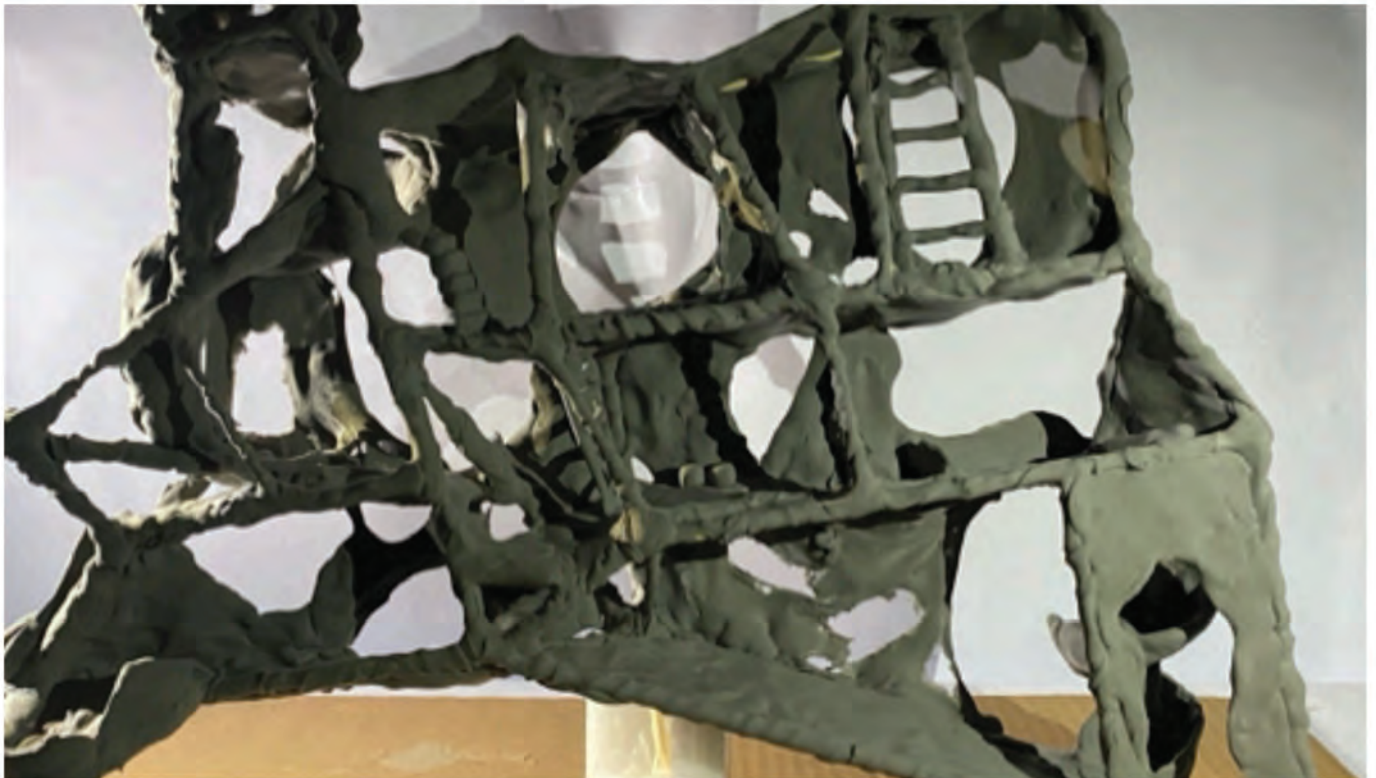


My work mainly introduces the express station where I go to almost every day. The function of this place is providing package collection service for online shopping user. I did a lot of experiments and survey to research the relationship among people, package and express Station. Using CaiNiao online application to correspond to the offline CaiNiao express station, and converts people's behavior into my model, my place.

Pilgrimage

YULIN DUAN

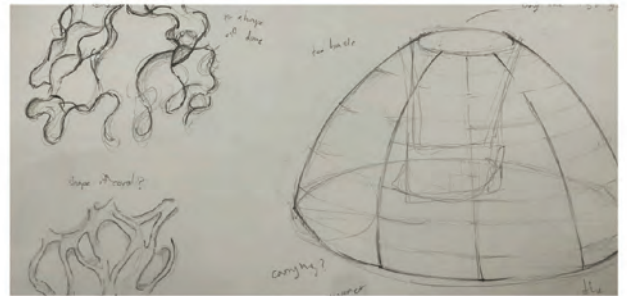
631715512



Pilgrimage is a kind of devotional ritual for believers and believers. Their final destination was the Dazhao Temple in Lhasa. This shows that they have understood the Buddha's will. Tibetans worship nature and pray for good luck. I think the combination of the Tibetan totem and their pilgrimage will form a common thing. At the same time, it can give participants a sense of experiencing Tibetan culture in nature.

What is under the sea

PHARIMA SROYETCH
63175002



This model I made is a combination with Origami and a model structure. It's represent under the sea feeling example when you go inside a model, the light will pass through gaps between piece of wood string then create a point of view similar to under the deep sea.

YEAR 2

Space Within Space

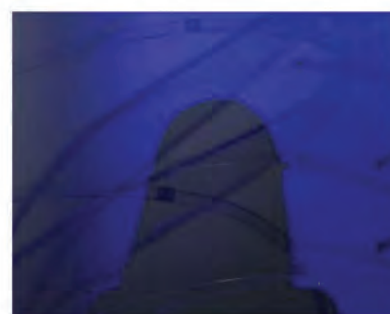
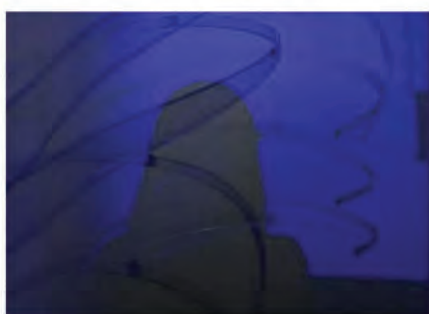
Power of Shadow

QIANRUI CAO

621715503



This project started in Among Temple, I focused on the movement of my shadows inside the temple. When we are walking inside the temple, we can see shadows much high than us on the wall, and move by different speed because of the light on the bottom. So, my project is about how shadows effect with our body. Shadows come out by two lights, the first is light from projector, the second is the light system, which moving by circle. When viewers sit or stand inside of my project, they can feel how shadows effect their body, by the material (acrylic-transparent) and the shape of wall.



Shadow Track

LINGRAN ZHANG

621715502



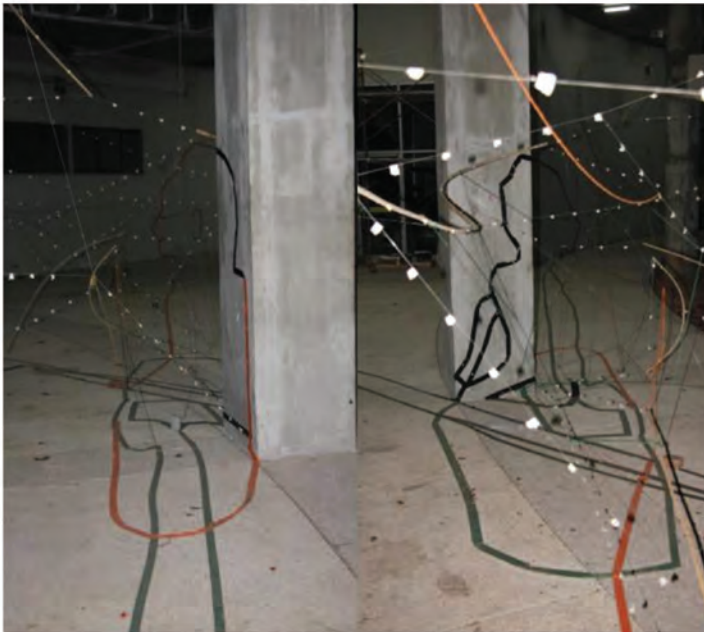
The track of people's activities in the space is expressed by light and shadow, and then the light overlaps with the shadow of people and the space environment to form a sense of hierarchy.



Anamorphic Perception

NICHA JITMANEE

621715002



The relationship between the two buddha sculptures forms a sense of complete shape and form.

Space is in a distortion of size, scale, and distance when viewing outside the set point. But once it viewed in the marked point, the image is formed. So space will be altered through visual viewpoint.

Parallel Worlds of Shadows

YI DUAN

621715506



The painting on the wall is one of my works. It is a surrogate for "what you see is not real" and those blue and white rectangular objects hanging in front are the main elements of the painting's composition.

They are distributed in different levels, and people can travel through them.

The use of computer screens, mirrors and acrylic panels cause different reflections to produce the effect of illusion.

When a person travels inside, there are different effects in the light and in the dark, as if you are in a different world in the same location, inside the virtual parallel world you created, you can be anywhere.

YEAR 3

Pavilion

Touch Earth

WACHANAPHONG SRIMUNGKHUN 611715005

SUVISIT PUMCHAROEN 611715003

LAPATTANIN JOUNGSUWADEE 611715004

SUVIJAK PUKETAYANON 611715004





Surface on the base design for not have a lot of strength, it's have the feeling like braking but elastic because we design to make people warn the step that, they walk on the surface.

Perception when people walk in to Thai Lanna house, they will get sense with surf in to the house and feel the sense of surface.

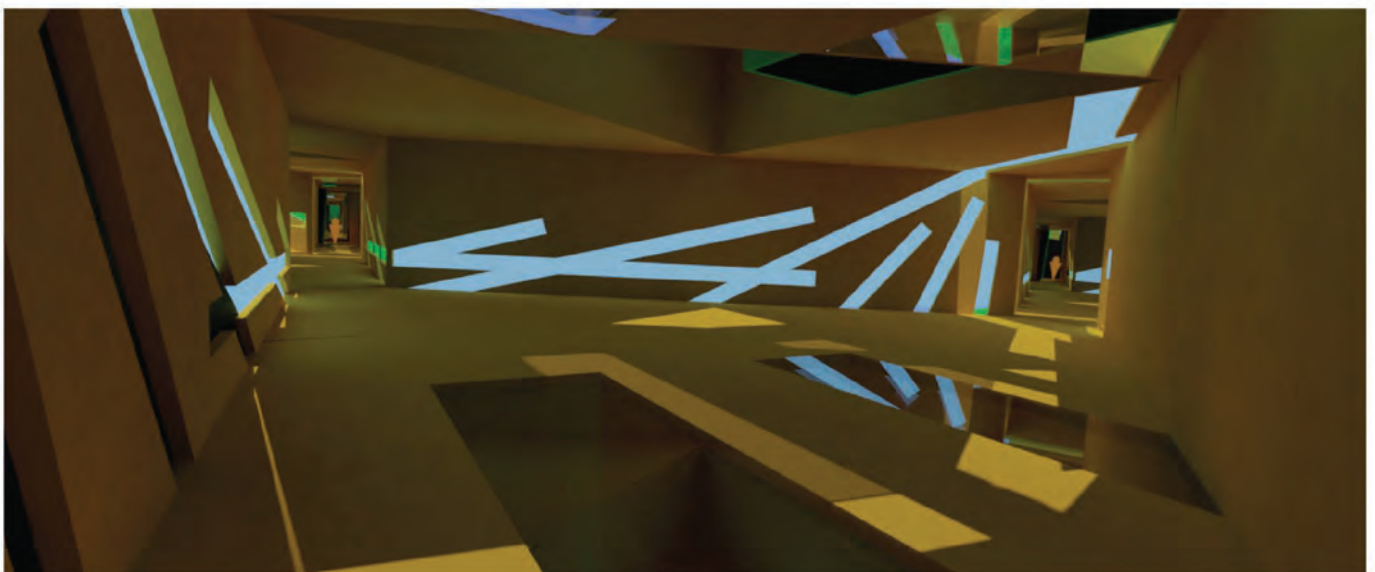
Base-we decide to make it strong follow the Thai Lanna house and make sure that structure will show the sense of the surface.

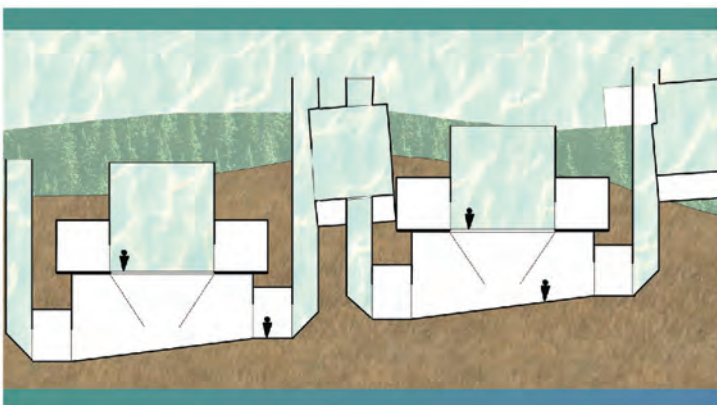
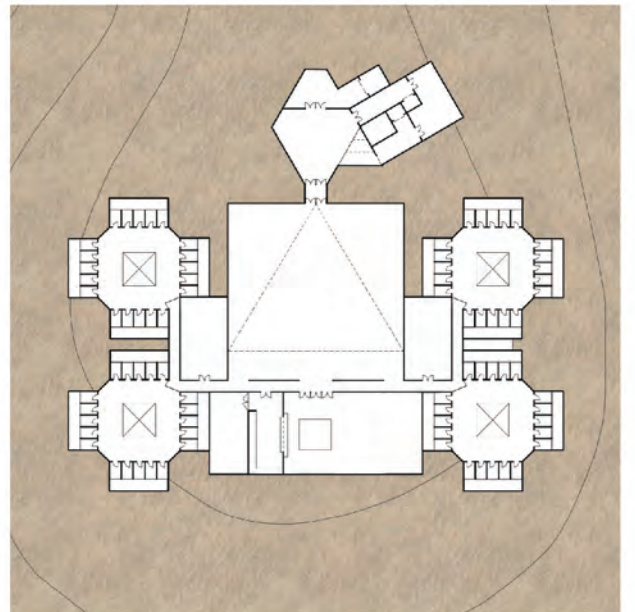
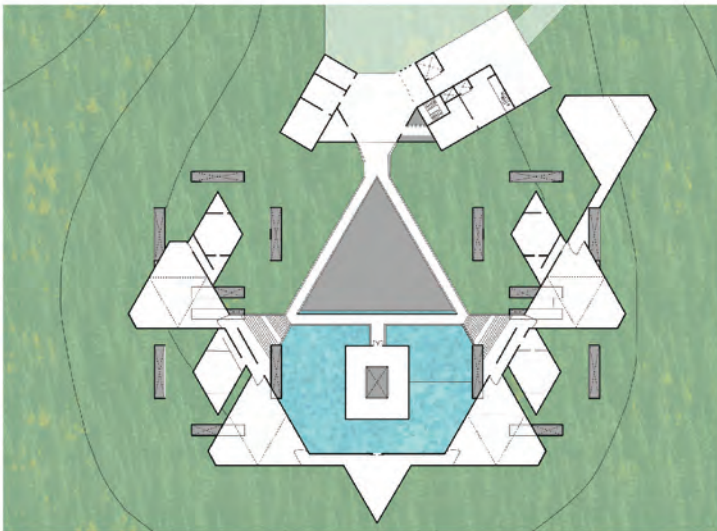
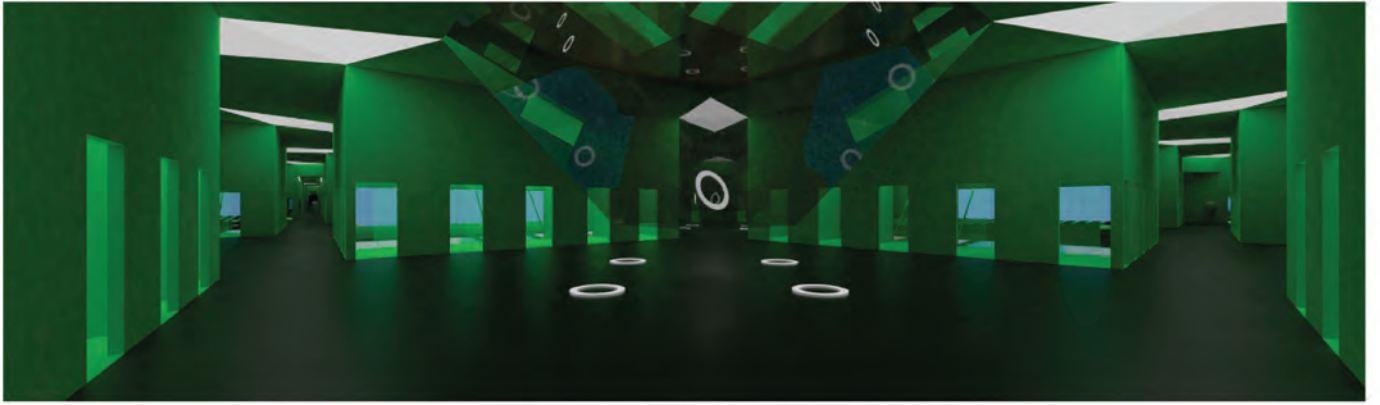
Skin cover-we would like to let light inside the space to feel pattern of bamboo mat. That reason make people perception about the theory of Thai Lanna house when people walk inside the space, they will feel the element of pattern.

YEAR 4

Dynamic Space & Relationship between Prison & Meditation

UNNOP PONGTERDKIAT
601715002

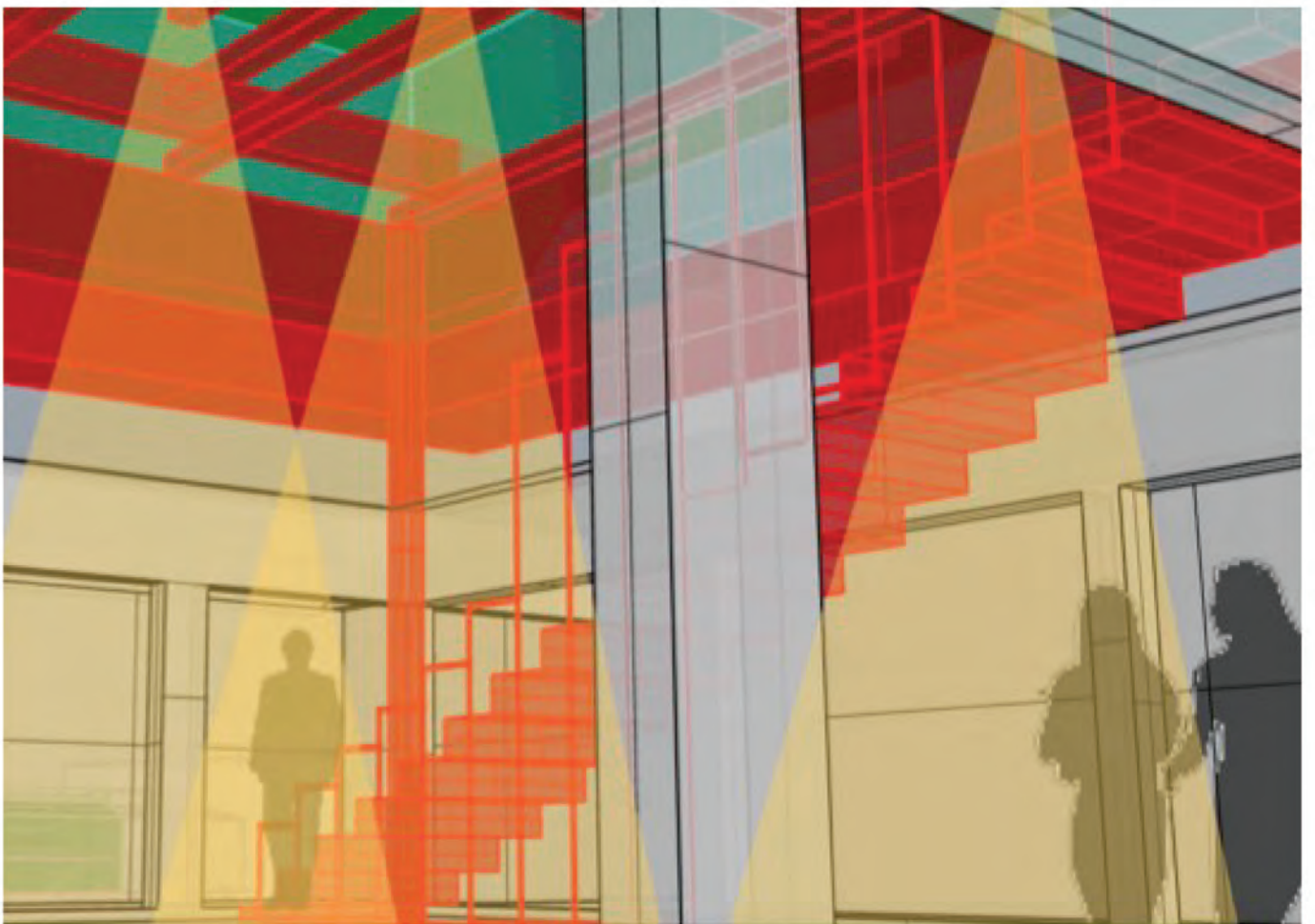
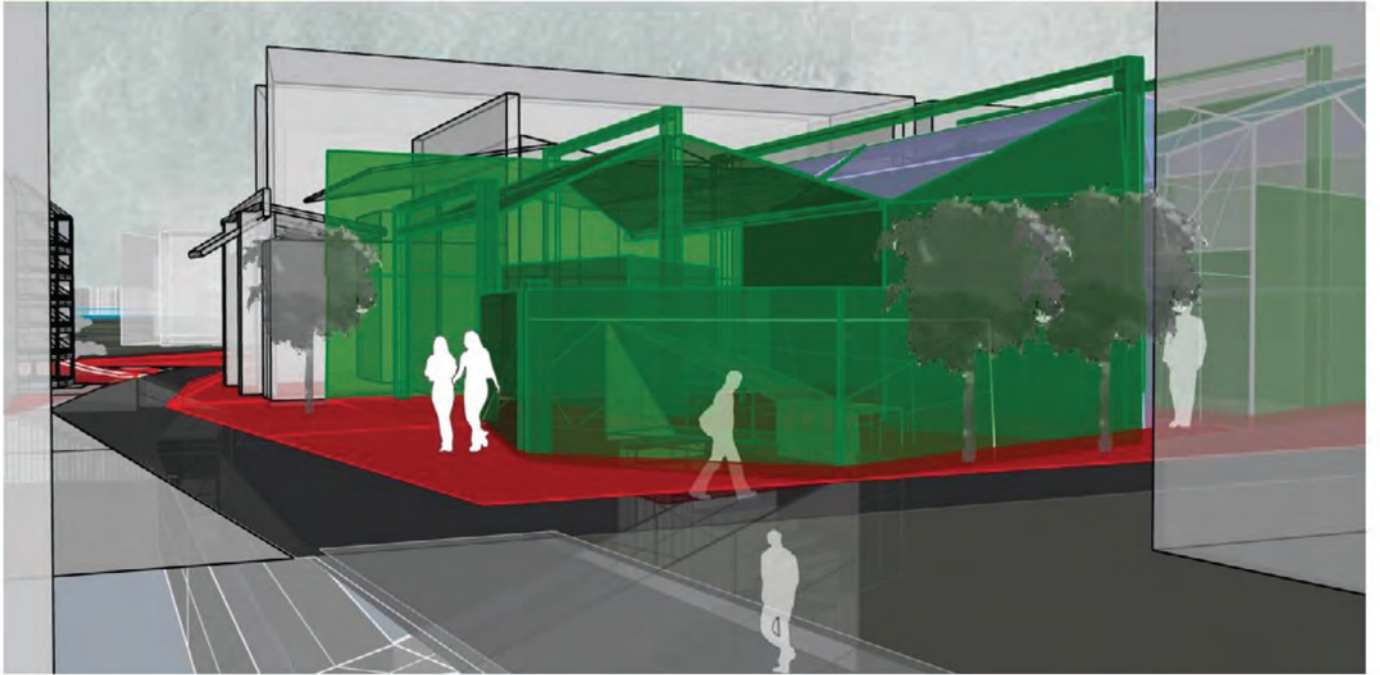


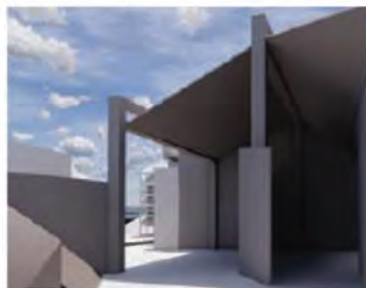
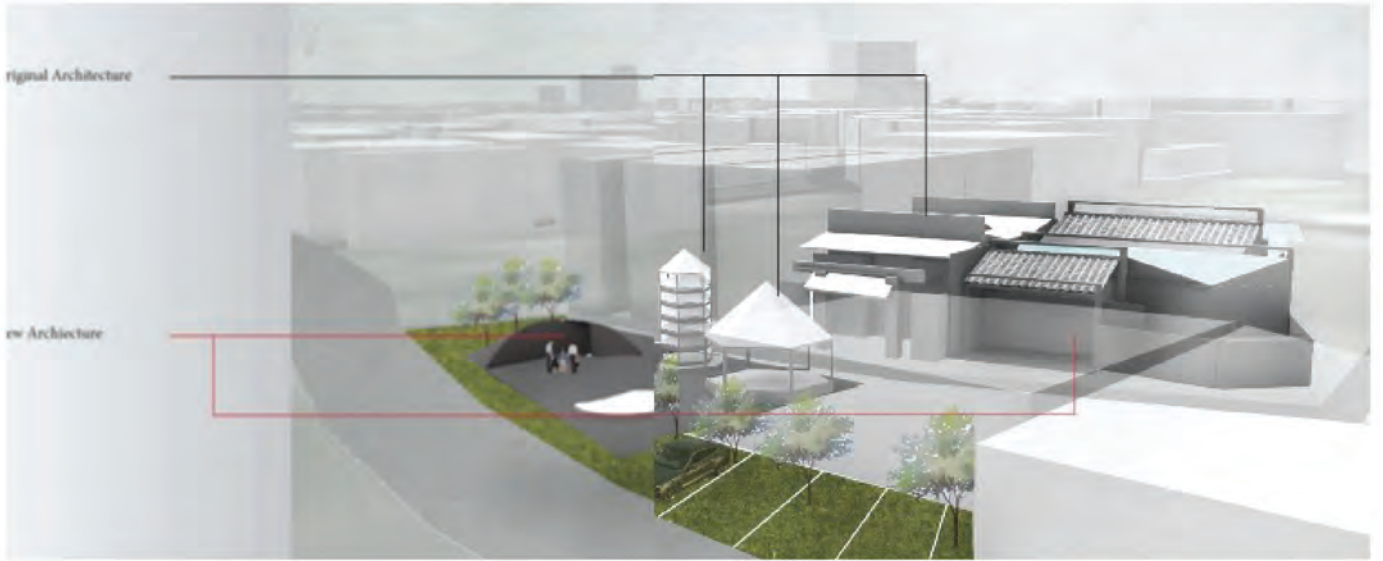
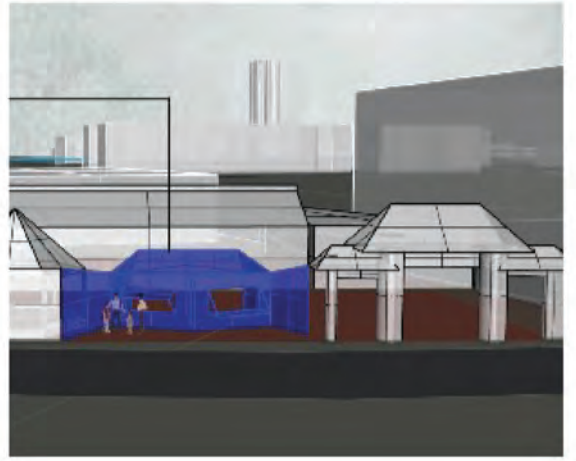
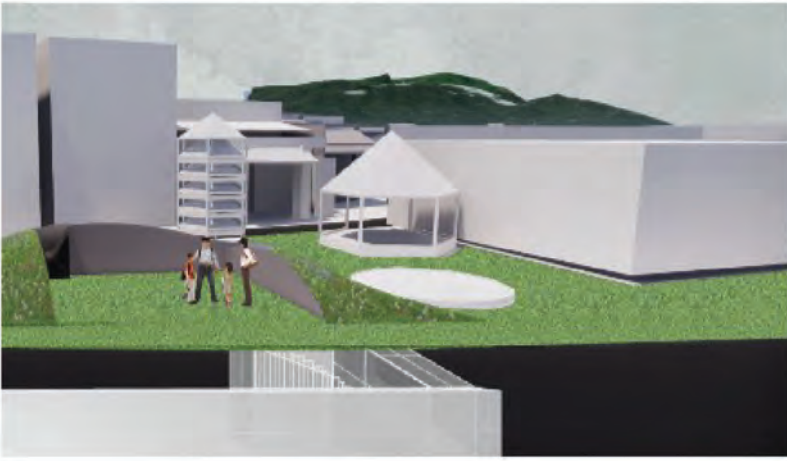


The project aimed toward the positive side of mental improvement and the design influence that allows users to create self-question of existing in the current dimension. It influences the mindset to process thinking for all types of users. The overall design came from experimental tricks of reflection where space extend and expand without increasing the physical space and the ideal present & absence at the same time.

Architectural Impression

XINRANG DONG
601715504





The project tries to define traditional Chinese architecture in a new way. Break away from the material and structure of the model. When people see a building, they think that a certain architectural feature is a model that represents the local culture. But I think it's not true. The thing that people can really recall about architecture is often not a certain architectural model, but an architectural atmosphere, so I hope that through my research can use other ways to represent the traditional architectural atmosphere. I hope to use the simplest building materials and forms to convey a complex atmosphere.



M.Arch

Master of Architecture Program

Master of Architecture Program in Architecture focuses on research and advanced architectural and environmental design under variety of research ideas. This program aims to integrate local wisdom with theory and technology advances, which conform to Chiang Mai University vision and changes in the region, the country, and the world, to produce knowledge and innovation to be equivalent to international.

List of five projects

Restorative Environment for Educational Development of Children with Autism in Child Psychiatric Ward, Maharaj Nakorn Chiang Mai Hospital

Student: PAKJERA BOONTENG

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Restorative Environment for Reading Areas in Chiang Mai University Library

Student: SIRACHUCH CHOMSIANG

77

Using Vertical Garden as Restorative Environment from Fatigue in CMED Canteen, Maharaj Nakorn Chiang Mai Hospital

Student: PUTTIPONG MEETHONG

78

A Study of Compositions within the Dwellings of Chiang Mai Old Town

Student: KRIANGKAI SOMYOT

80

Guidelines for Improve the Outpatient Building's Envelope and Roof of Community Hospitals to Reduce Energy Consumption in Air Conditioning System and Green House Gas Emissions

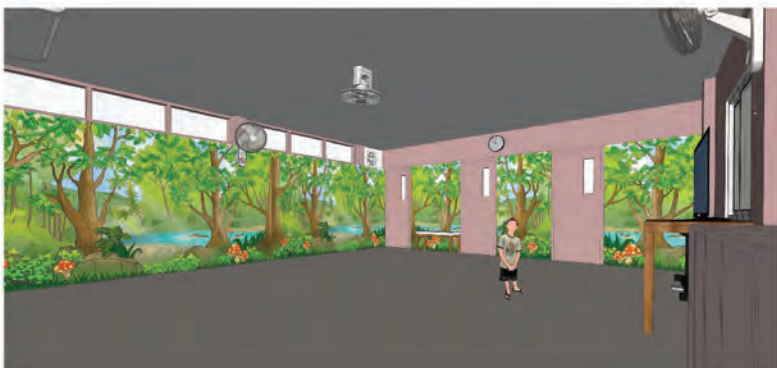
Student: PRAWEEEN JINANUKUL

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Restorative Environment for Educational Development of Children with Autism in Child Psychiatric Ward, Maharaj Nakorn Chiang Mai Hospital

PAKJERA BOONTENG

601731002



Restorative Environment for Reading Areas in Chiang Mai University Library

SIRACHUCH CHOMSIANG
601731010



Using Vertical Garden as Restorative Environment from Fatigue in CMED Canteen, Maharaj Nakorn Chiang Mai Hospital

PUTTIPONG MEETHONG

601731008

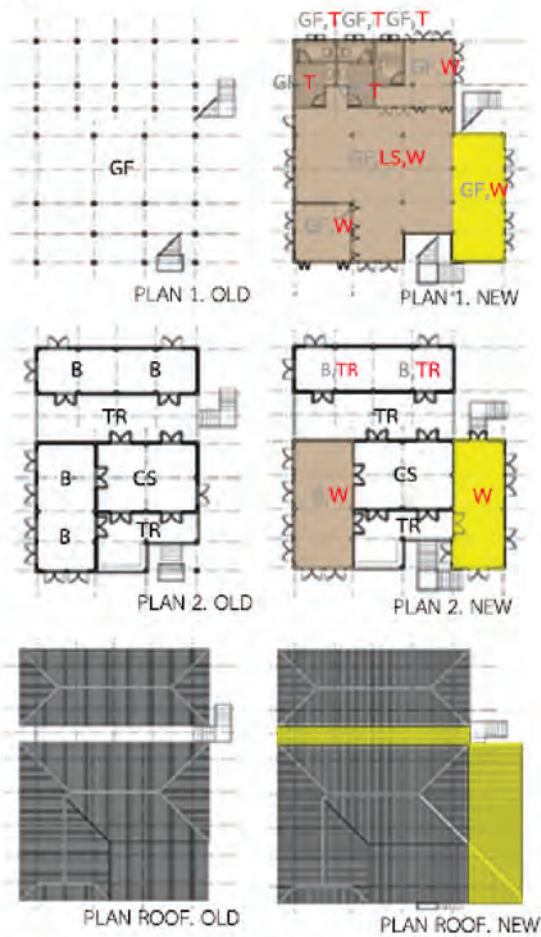




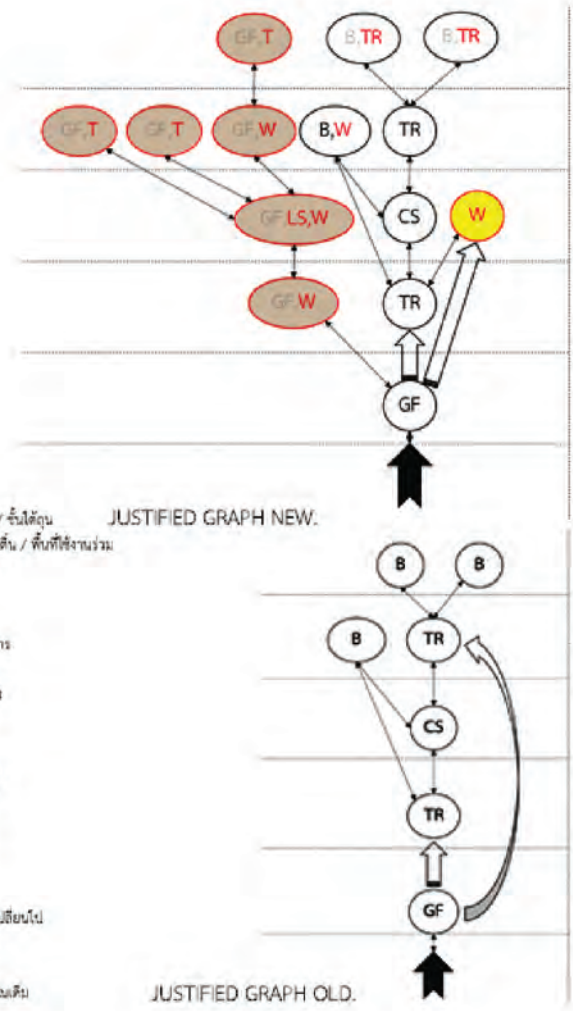
A Study of Compositions within the Dwellings of Chiang Mai Old Town

KRIANGKAI SOMYOT
591731009

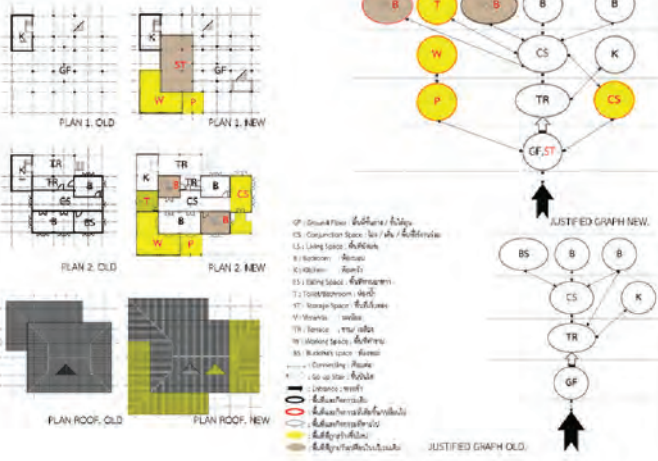
H08



- GF : Ground Floor : พื้นที่ชั้นล่าง / ชั้นใต้ดิน
- CS : Conjunction Space : โถง / เสา / พื้นที่ใช้งานร่วม
- LS : Living Space : พื้นที่พักผ่อน
- B : Bedroom : ห้องนอน
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- ES : Eating Space : พื้นที่พักอาหาร
- T : Toilet/Bathroom : ห้องน้ำ
- ST : Storage Space : พื้นที่เก็บของ
- V : Veranda : ระเบียง
- TR : Terrace : ชายคา / เสาโถง
- W : Working Space : พื้นที่ทำงาน
- BS : Buddha's space : ห้องพระ
- : Connecting : เชื่อมต่อ
- ↑ : Go up Stair : ขึ้นบันได
- ↓ : Entrance : ทางเข้า
- : พื้นที่และกิจกรรมเดิม
- (red) : พื้นที่และกิจกรรมที่เพิ่มขึ้น/เปลี่ยนไป
- (grey) : พื้นที่และกิจกรรมที่หายไป
- (yellow) : พื้นที่ที่ถูกสร้างขึ้นมาใหม่
- (brown) : พื้นที่ที่ถูกปรับเปลี่ยนในบริเวณเดิม

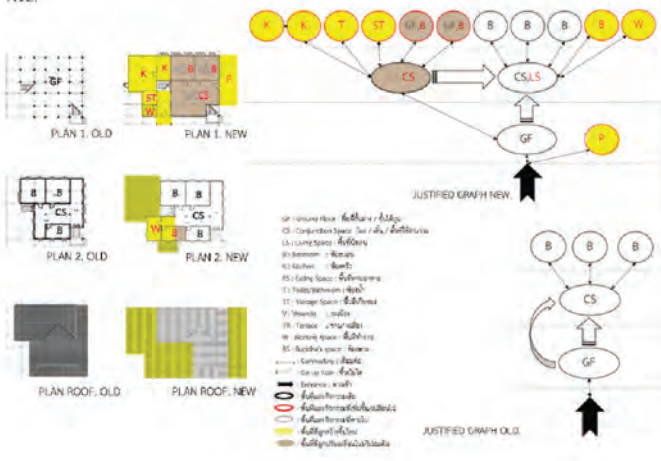


H16.



- GF : Ground Floor : พื้นที่ชั้นล่าง / ชั้นใต้ดิน
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H12.



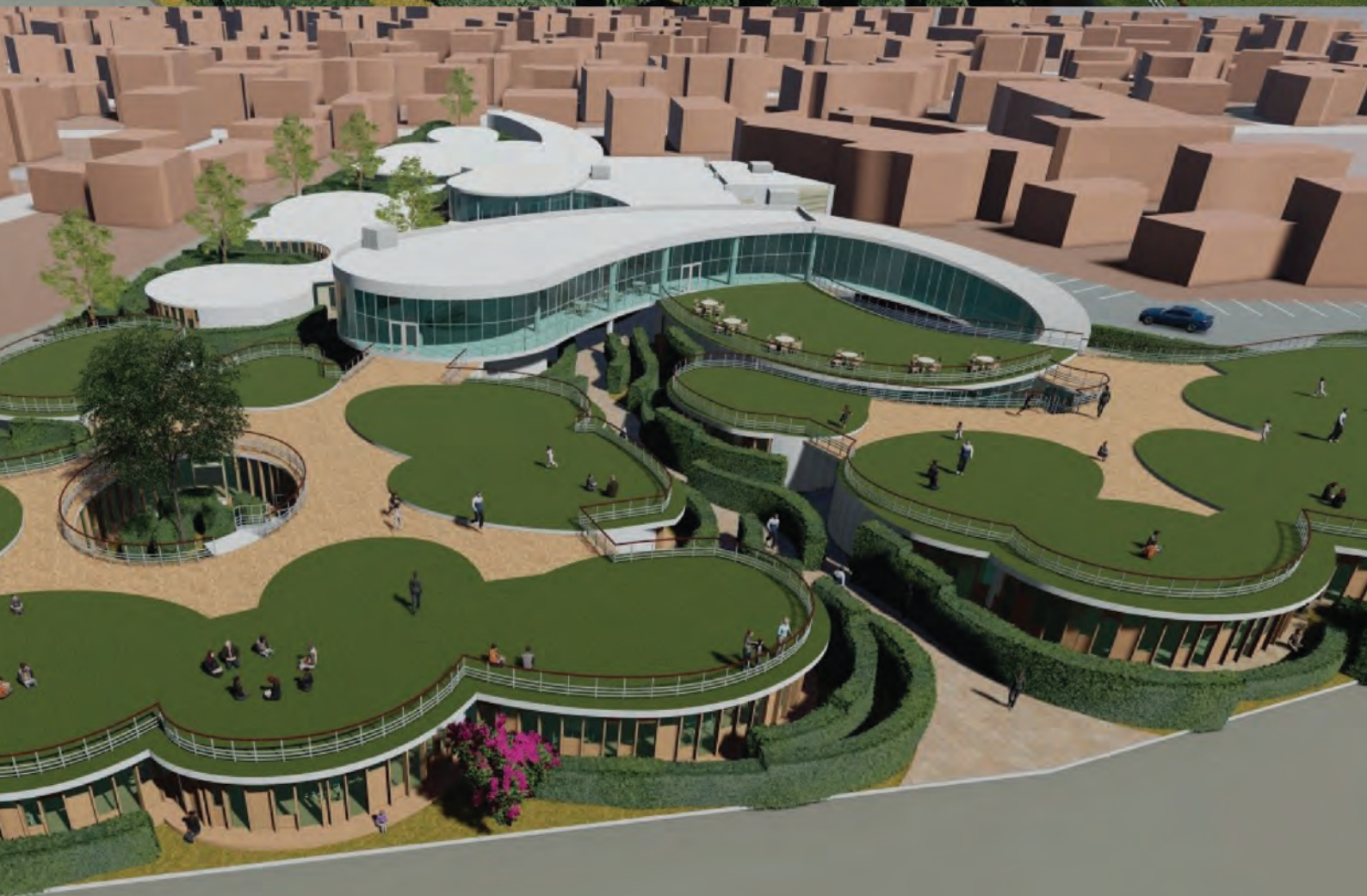
- GF : Ground Floor : พื้นที่ชั้นล่าง / ชั้นใต้ดิน
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Guidelines for Improve the Outpatient Building's Envelope and Roof of Community Hospitals to Reduce Energy Consumption in Air Conditioning System and Green House Gas Emissions

PRAWEN JINANUKUL

621731006





Joint Degree M.Arch

Master of Architecture Program in Architecture (International Program)

Master of Architecture Program in Architecture (International Program) is a collaboration between the Faculty of Architecture and the Graduate School of Chiang Mai University, Thailand and the Graduate School of Science and Technology, Kyoto Institute of Technology, Japan. It is a 2-year (four semesters) program providing enrolled students with 48 credits of course works, research and design in the facilitative contexts of Chiang Mai and Kyoto campuses.

Project design theme: Tactical Urban Architecture

Tactical Urban Architecture proposes an alternative method to achieve urban regeneration able to promote social exchange, community activities and citizens interaction that takes urban space into another level giving positive answers to contemporary urban issues.

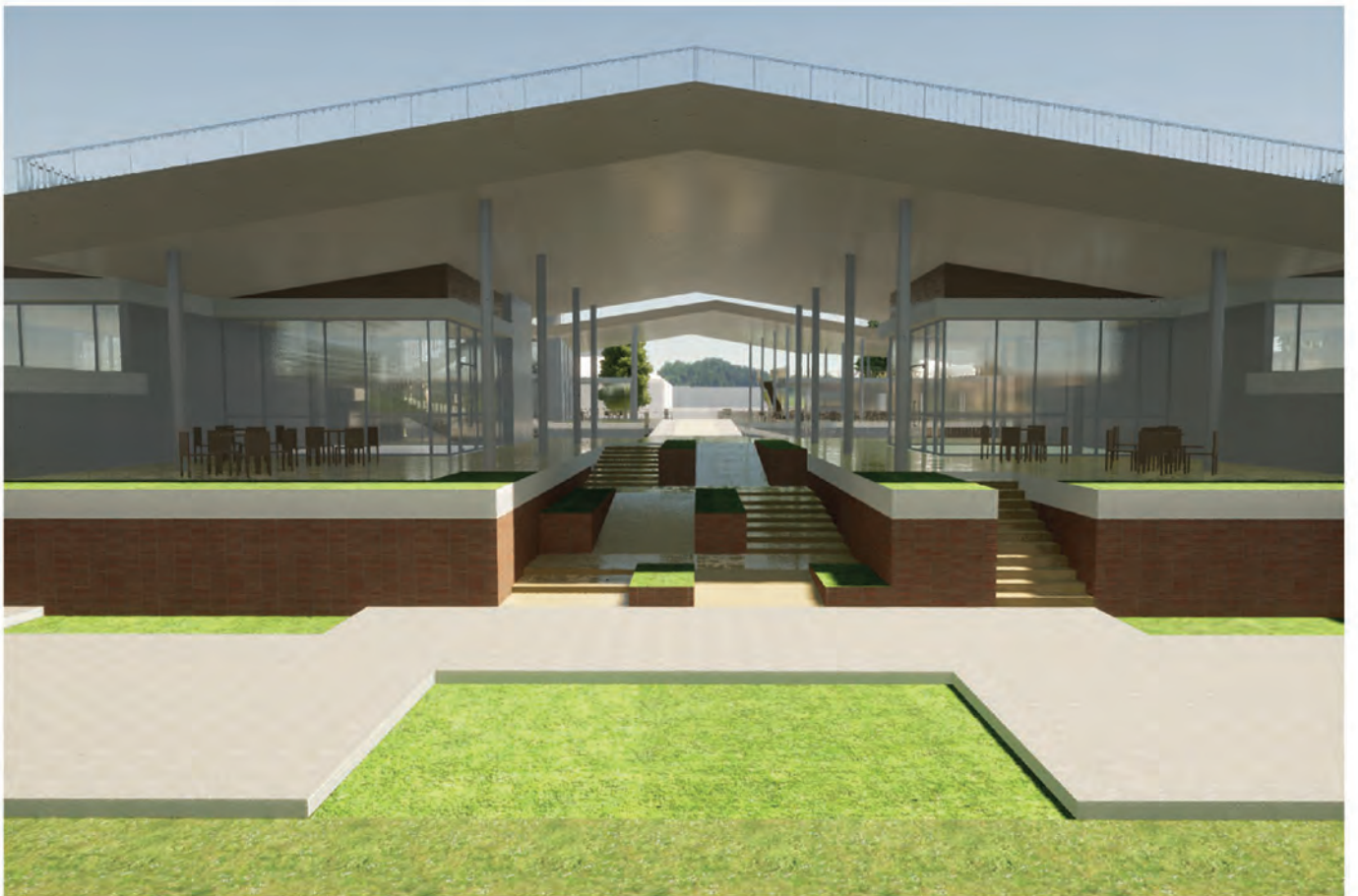
The site of the building must be located in the city, town or village that has strong image of culture, heritage or unique social structure, medium for the process of urban regeneration of the area and will answer the need of public space for the community or neighborhood.

List of three projects

Center of Creative Space at Chiang Mai : Nawakhun Sornubol	84
Library and Co-Working Space at Kamakura : Akimi Ono	86
Cultural Complex of USA and Japan at Yokosuka : Narumi Ono	88

Center of Creative Space at Chiang Mai

NAWAKHUN SORNUBOL





Chiang Mai has long history and unique culture which proposed to be travel destination and a creative city of Thailand. However, there is no place that be a center, support express creativity.

I proposed a center of creative space of Chiang Mai, located near Nimmanahaeminda and CMU district. The center would be the place to incubation creativity, which gather the best of Chiang Mai art and craft studios, to be the largest show case and demonstrate art and craft production to express the creativity. In addition, the center would be a huge co-working space for digital nomad and able to host any creative event in one place.

The main concept design of the building is to expose and express creativity. By bring an idea of sunken space, where people on street level can easily access the site from all direction and able to see the whole activity of the site from a central courtyard. Also, the building is designed to connect to other creativity area such as Lanna house museum nearby. Moreover, the top of the building is a green roof that imitate curve of mountains in Chiang Mai, where people can exercise, running around the roof and enjoy beautiful views of Chiang Mai.



Library and Co-Working Space in Kamakura

AKIMI ONO





I designed a new public facility with functions of e-books library and co-working space in Kamakura, which has the potential to become a base for remote work after-COVID19. Instead of creating a large space to gather, spaces are divided for each person can have their own place in public spaces. One of the unique program there is Zazen which has a long history in Kamakura. People can do zazen meditation in narrow space which divided by trees like English garden. This semi-outdoor space is also important for natural ventilation under pandemic conditions. Assuming that it will be a path from the station to Yuigahama, a famous tourist destination, I designed the fluid flow lines from north to south where people can enjoy the beautiful view.

Cultural Complex of USA and Japan at Yokosuka

NARUMI ONO

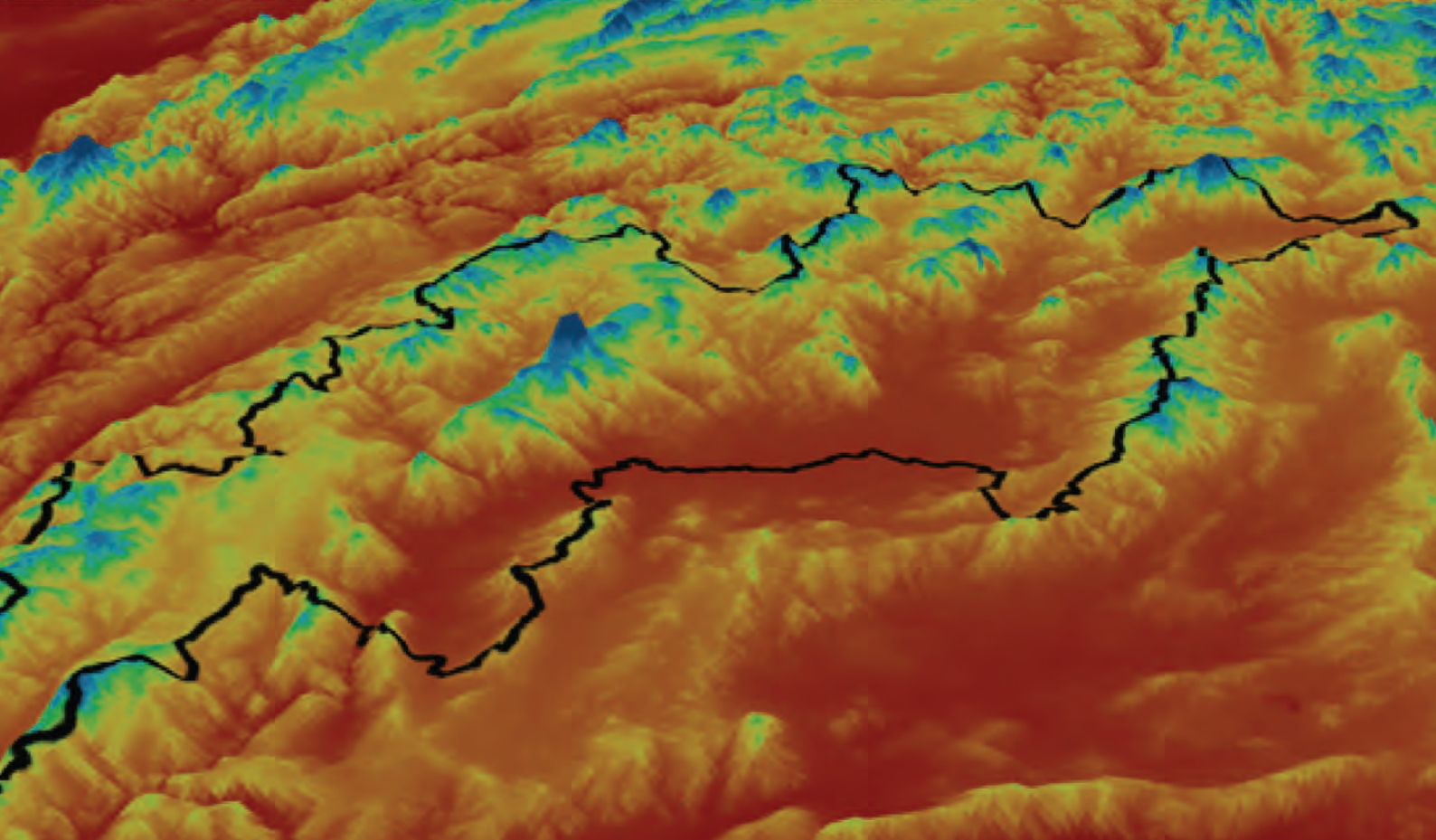




My site is the entrance building of the US military base in Yokosuka City. It is located on the border between the US military base and Japan. Before, the US military had a scary image, but recently, more and more people want to interact with international people. Therefore, I thought about the ideal boundary for the new relationship between the US military and Yokosuka.

The border is hidden behind the town, making it as invisible as possible. However, the boundary is a place where Americans and Japanese meet. Therefore, I propose a cultural complex where the US military family and Yokosuka citizens can spend time together, also Yokosuka citizens and tourists can experience American culture. By making one boundary line into two and creating a buffer zone between them, it becomes a co-nation that is neither the United States nor Japan. The fence that was the boundary between the US military base and Yokosuka City will be a device that creates exchanges in this building.





Ph.D.

Doctor of Philosophy Program in Architecture (International Program)

Doctor of Philosophy in Architecture is an international, research-based degree in architecture. Aiming at integrating architecture studies with related fields, the program is designed to tackle the current regional and global issues which confront our built environments today meanwhile searching for sustainable alternatives for ongoing future problems and dynamics.

List of three projects

**The Persistence of Neighborhood Pedestrian Streets:
Interrelationship between Place, Community,
and Public Space Management.**

Student: PHOOWADECH WONGSOM

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**Defining Boundaries: Exploring through Space
in the Forest Fire Prevention Planning in Chiang Mai,
Thailand**

Student: WANCHART NA CHIANGMAI

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**Development Guideline through Machine Learning
Model for the Outpatient Department to Reduce the Risk
of the Spread of Respiratory Infectious Disease:
A Case Study of the University Hospital**

Student: OPOR CHAISANGAPONG

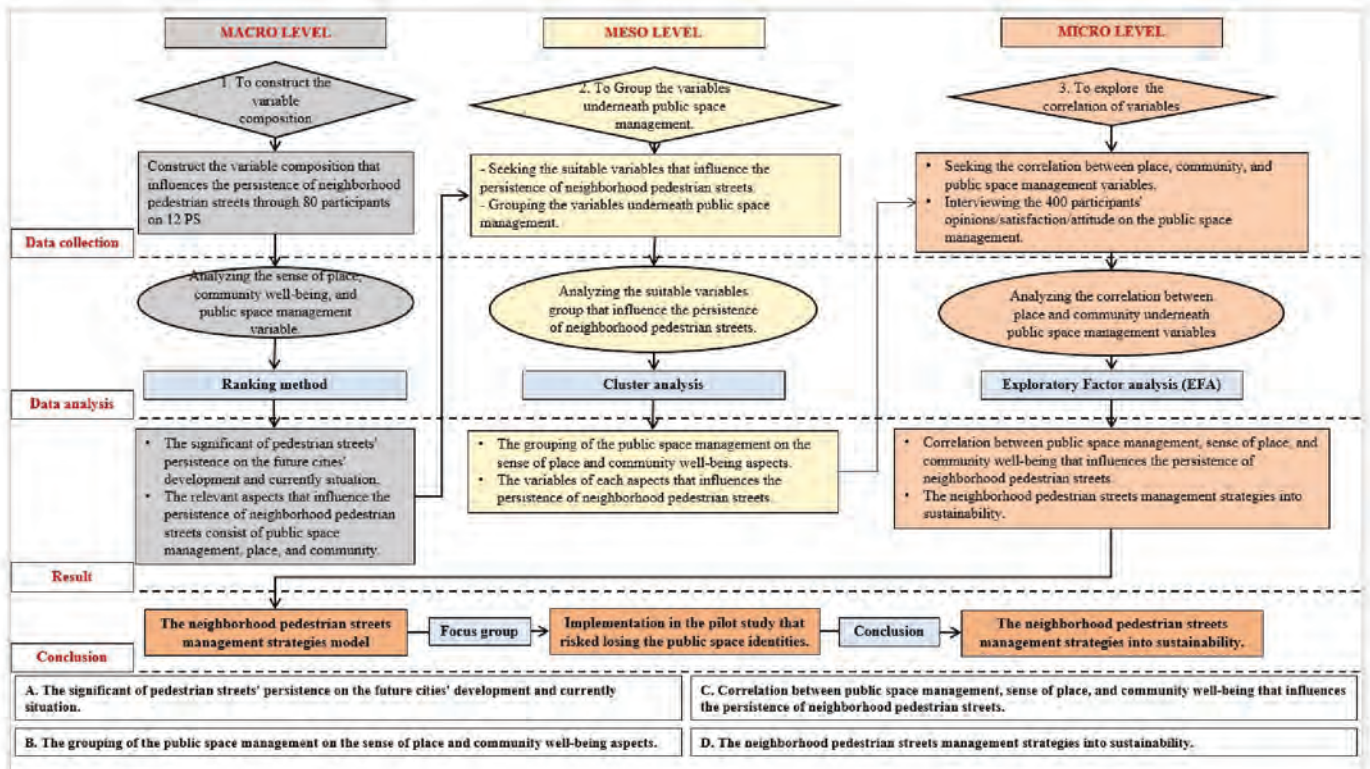
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The Persistence of Neighborhood Pedestrian Streets: Interrelationship between Place, Community, and Public Space Management.

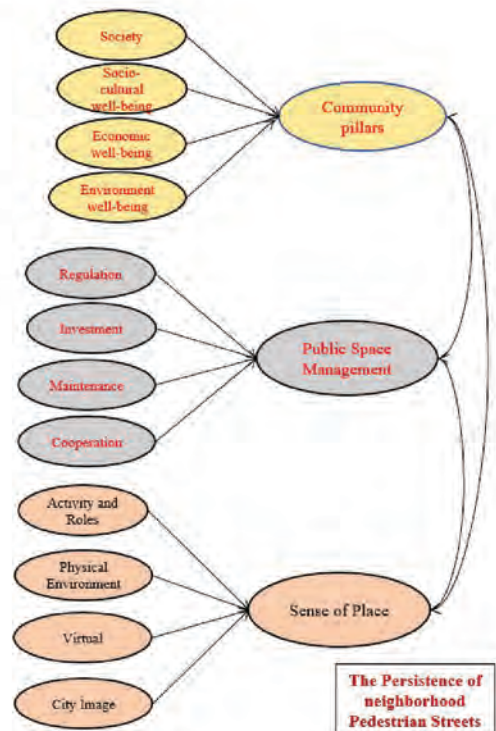
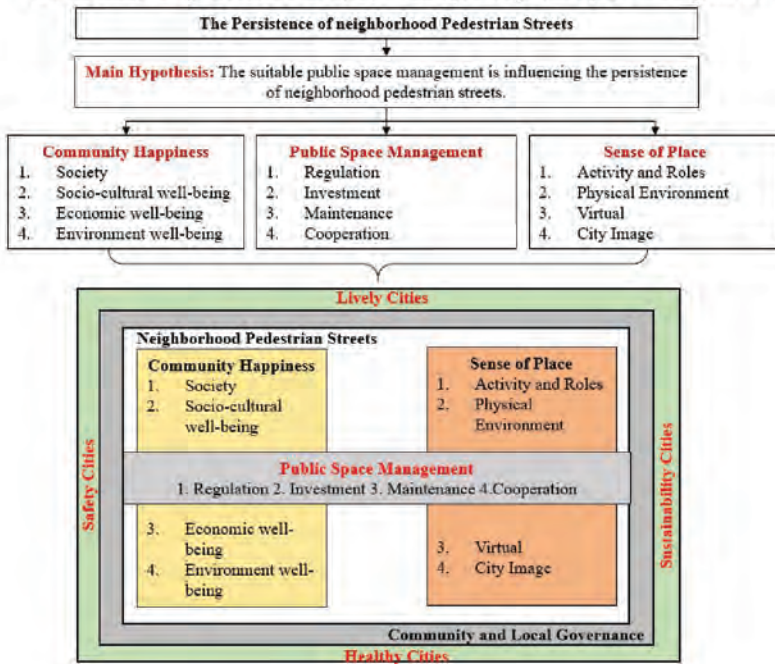
PHOOWADECH WONGSOM
631755905



Lively, safety, health, and sustainability cities are the indicators of cities quality. Therefore, the interrelationship between place, community, and public space management influences creating livable cities for the people. This study aimed to typologies the neighborhood pedestrian street in the non-principal town, northern Thailand, to synthesize the interrelationship between public space management and people's need, and to suggest the suitable strategies of pedestrian street management into sustainability.

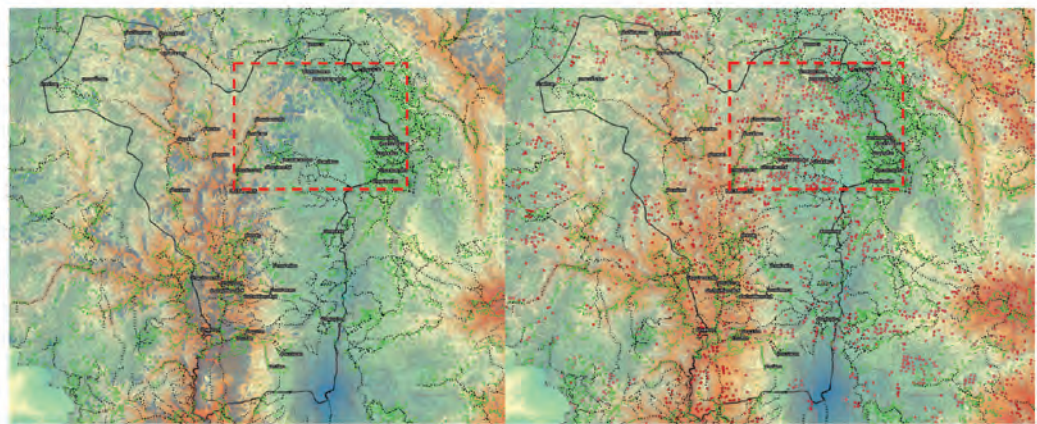
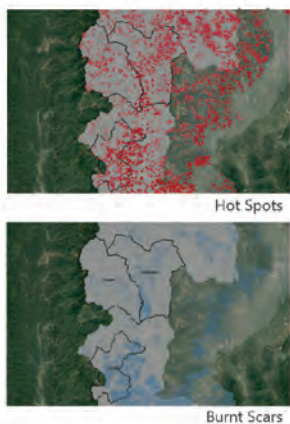
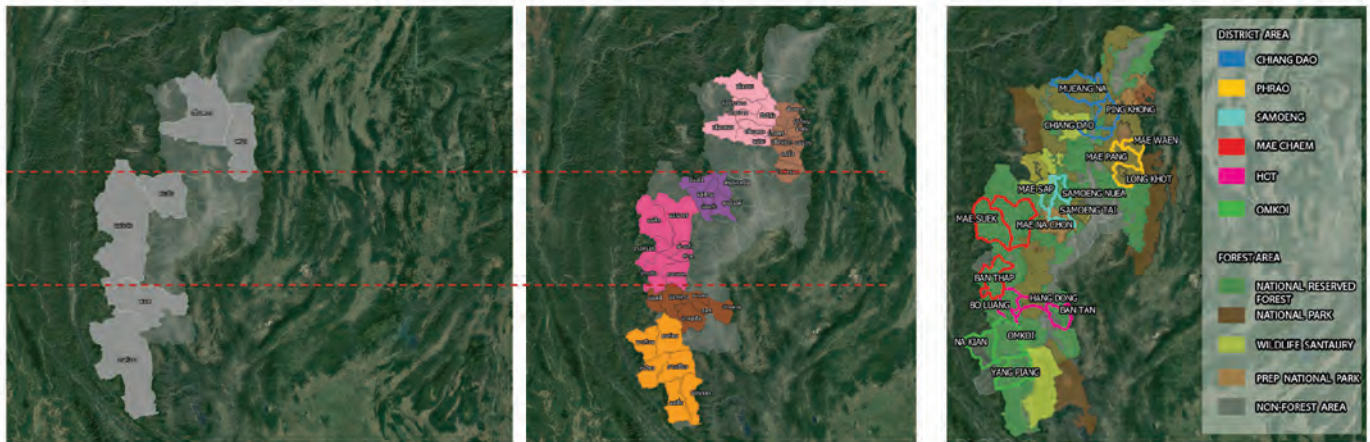


The Persistence of neighborhood Pedestrian Streets : Interrelationship between Place, community, and public space management



Defining Boundaries: Exploring through Space in the Forest Fire Prevention Planning in Chiang Mai, Thailand

WANCHART NA CHIANGMAI
631755903

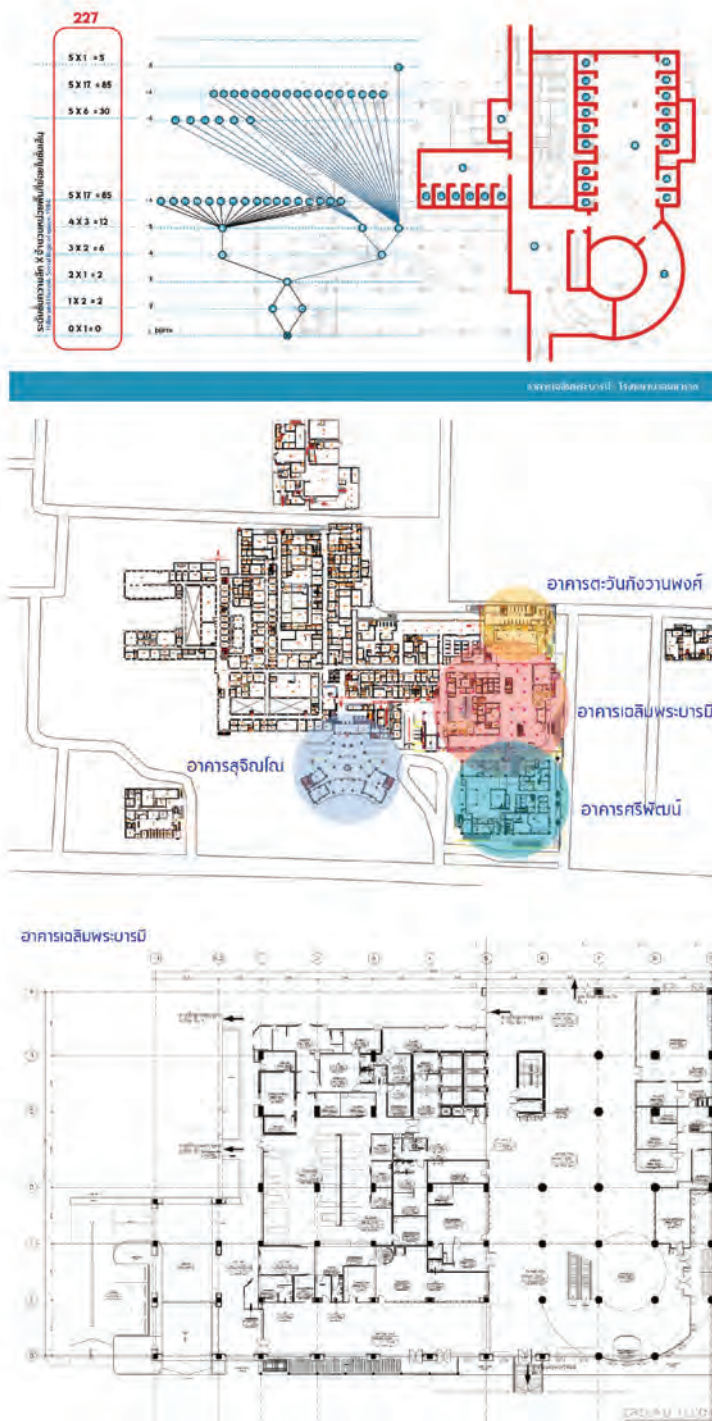


Spaces are one of the factors in the emergence of Forest Fires, especially in the area of complex spatial boundaries and multi-stakeholder. This research examined the top three forest fire-prone areas in Chiang Mai (based on Hotspot Information) to see how each area, each stakeholder group defines or establishes the boundaries of their own forest fire prevention planning. and what are the conditions for establishing their boundaries.



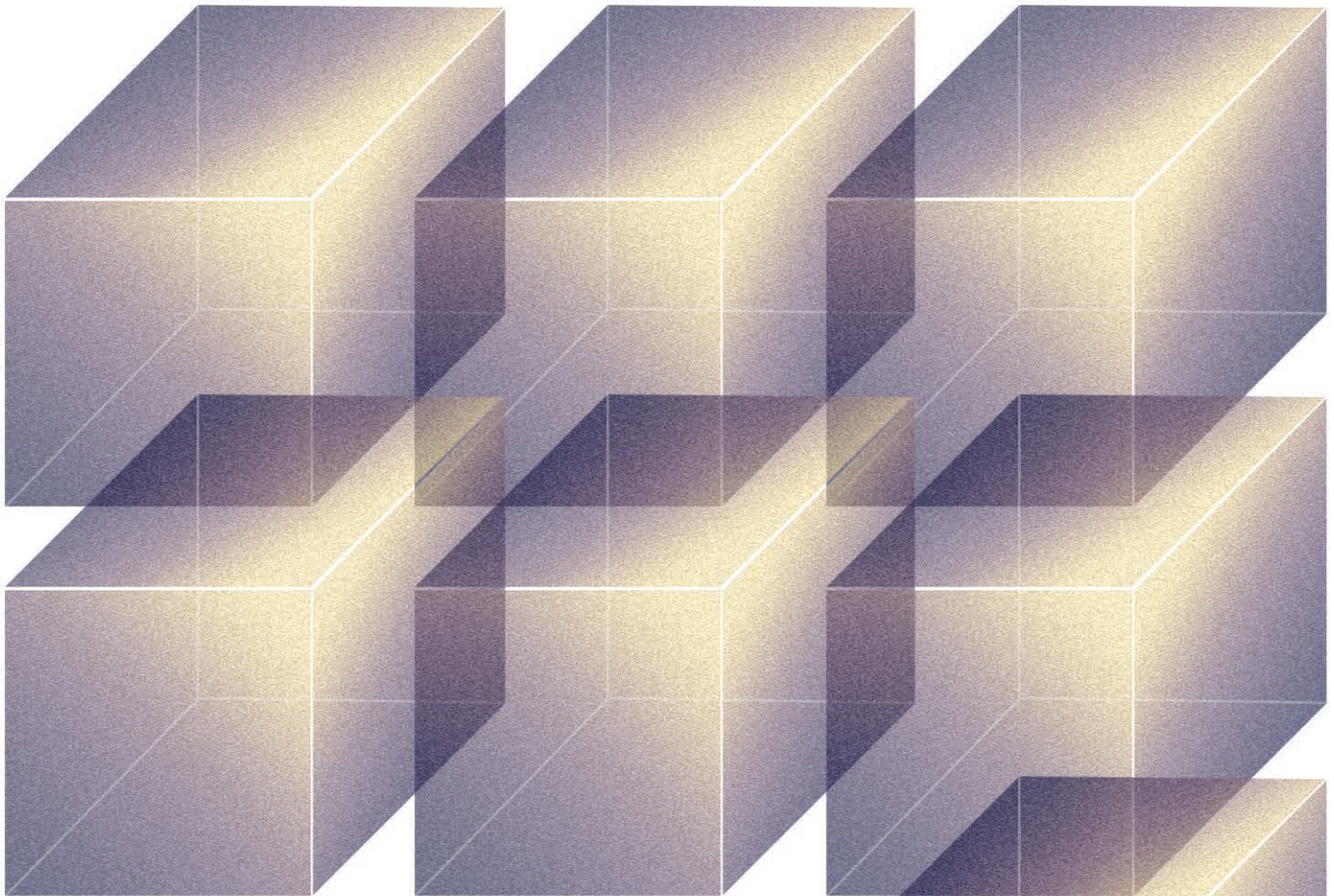
Development Guideline through Machine Learning Model for the Outpatient Department to Reduce the Risk of the Spread of Respiratory Infectious Disease: A Case Study of the University Hospital

OPOR CHAISANGPONG
631755904



Coronavirus 2019 (COVID-19) is currently spread worldwide and has infected more than 46 million people in more than 100 countries. As a result, it has spread, and many states have published control measures. Moreover, such actions were referred to the hospital to manage the risky areas that will arise. Therefore, the hospital is the first place where people travel to get treatment and get medical examinations as soon as they find abnormal symptoms and fall into infectious diseases. An OPD department is a hospital department designed to be the first contact between patients and hospital staff. Patients who enter the hospital for the first time must go directly to OPD. Then OPD decides where department the patient should go. Therefore, we can see that OPD is the first point where pathogens can spread. Therefore, predicting the trend of developing and adapting hospital OPD departments to control and prevent the spread of COVID-19 is a critical challenge. If the OPD area is properly not managed and adjusted, it will accumulate the pathogen and eventually lead to an outbreak.

Thus, our research aims to develop the guidelines, which can be the tool for designing the OPD in the hospital to reduce the spread of respiratory infectious diseases. By using BIM technology (Building Information Modeling). This system creates a virtual model of a building that is accurate as a digital model. These models will contain material information, Voiding, and the sizing of space. BIM technology (Building Information Modeling) and this content analysis will help analyze and control data collection results efficiently. And then, use Structural Equation Modeling (SEM) to study the theory that models will develop to compare the harmony of metrics with the empirical data analyzed to test how consistent the results of the observed data were theoretical. Finally, use machine learning as a tool to evaluate and visualize the development of new OPD department layouts suitable for control and prevent the spread of respiratory infectious diseases.



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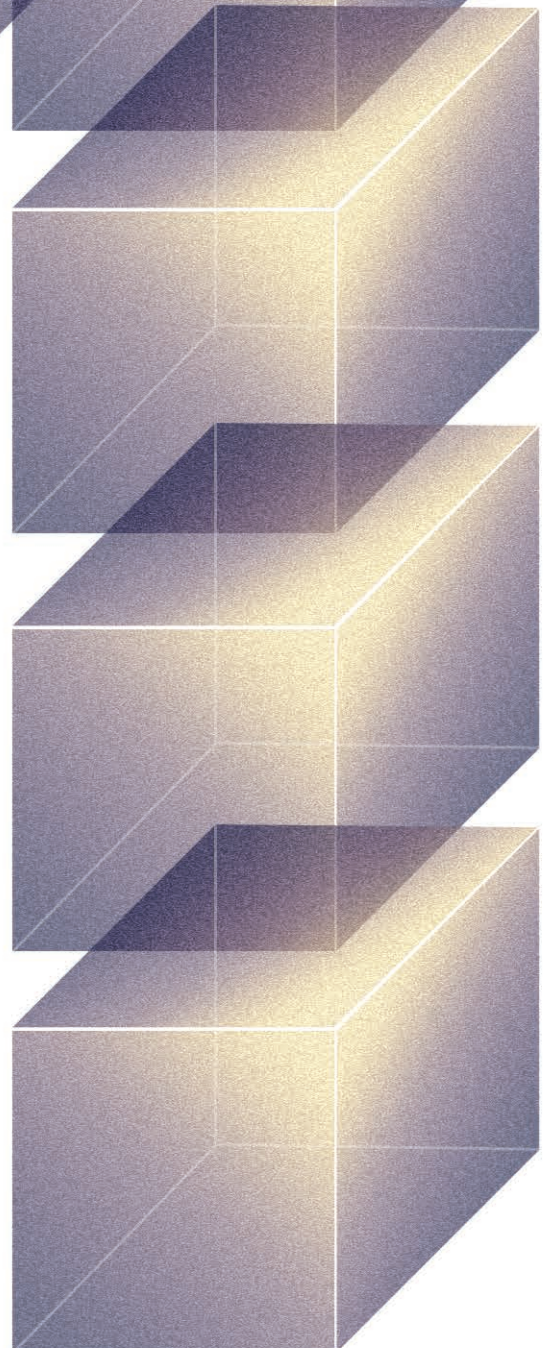
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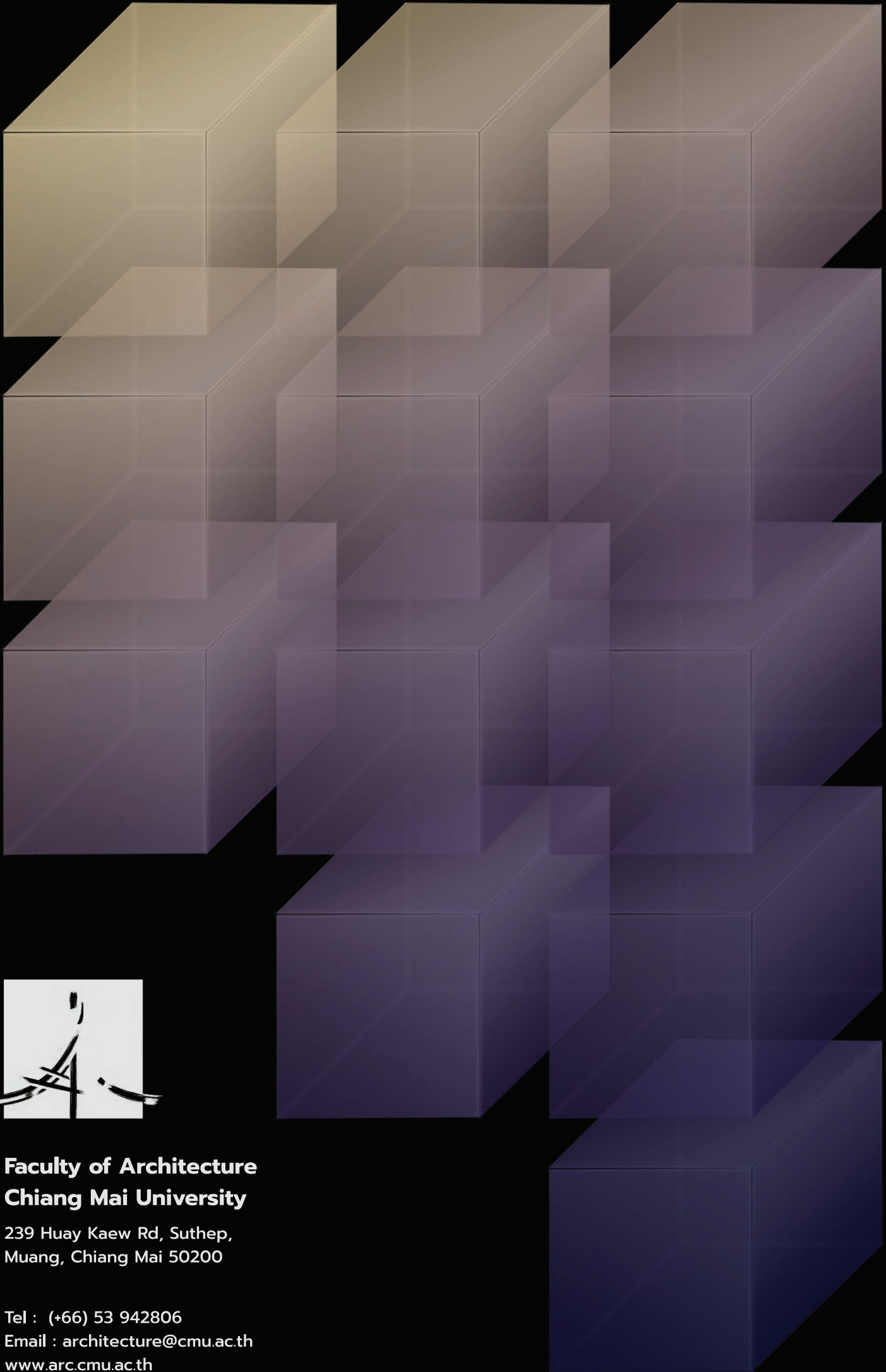
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