



IDC ROBOCON 2023

GUIDE BOOK

7 - 19 August 2023
Bangkok, Thailand

PLEASE JOIN OUR DISCORD SERVER



<https://discord.gg/DemxnxDbW2>



**VENUE
&
ACCOMMODATIONS**



VENUE AND ACCOMMODATIONS



VENUE

Faculty of Engineering, Chulalongkorn University



Address:

254 Phaya Thai Rd, Wang Mai, Pathum Wan, Bangkok 10330

Website:

<https://www.eng.chula.ac.th>

ACCOMMODATIONS

Chulalongkorn University International House (CU iHouse)



Address:

268 Chulalongkorn Soi9, Jaratmung Rd., Wangmai, Pathumwan, Bangkok 10330

Website:

https://pmcu.co.th/?page_id=9795



HOW TO GET TO CU IHOUSE?



TAXI (MOST CONVENIENCE)



While taxis are undeniably one of the most convenient transportation options to and from the airport, they might not be the most cost-effective choice, especially for foreigners. The typical fare from or to the airport ranges from 250 THB to 500 THB, with an additional 50 THB airport surcharge. Unfortunately, some taxi drivers may refuse to use their meters and instead offer inflated flat-rate fares. It's worth noting that official airport taxis are closely monitored and required to use their meters.

For a more transparent and reliable alternative, travelers can opt for ride-hailing apps like Grab or Uber, which are readily available in the area. At Suvarnabhumi Airport, the usual fare falls between 300 THB and 500 THB, while at Don Mueang International Airport, it typically ranges from 250 THB to 350 THB. These ride-hailing services provide a convenient and often more budget-friendly way to travel to and from the airports.



TIPS: DIRECTION FOR TAXI DRIVER (THAI)

ไปที่ เรือนวิรัชมิตร (CU IHOUSE)

ซอยจุฬาลงกรณ์ 9 ข้าง ๆ กับสถานีตำรวจนครบาลปทุมวัน

PLEASE TAKE ME TO CU IHOUSE, CHULA SOI 9



**UPON ARRIVAL TO CU
IHOUSE, PLEASE
CONTACT IDC STAFF**

LINE +6665-098-5441 (SMILE)

LINE +6691-949-8888 (BALL)

FOR EMERGENCY

LINE +6697-052-1069 (DR.SURAT)



**GOOGLE MAP
TO CU IHOUSE**

HOW TO GET TO FACULTY OF ENGINEERING, CHULALONGKORN UNIVERSITY?



Getting around Chulalongkorn University is a breeze with the availability of convenient transportation options. The university offers a complimentary shuttle bus service, easily recognizable by its pink color. Hop on bus no. 5, and it will take you directly to either the Faculty of Engineering or Sala Phra Kieo, the transportation center.

For an alternative mode of transportation, there's the MuvMi ride-sharing Tuk Tuk service. Simply use their MuvMi app to call an electric Tuk Tuk ride. Traveling between the Faculty of Engineering and CU iHouse typically costs around 21-23 THB, and the fares become even more affordable when traveling with a group. Additionally, you can use MuvMi to reach destinations outside the campus, such as the vibrant shopping area of Siam Square or the Samyan Mitrtown shopping center.



CU SHUTTER BUS

Bus Line No. 5



MUVMi

Local Ridesharing Service



CU SHUTTER BUS BUS LINE NO.5



- **CU Terrace (CU iHouse)**
- Suanluang Square (After 11:30)
- Soi Chulalongkorn 18 (After 11:30)
- CU Centenary Park (After 11:30)
- Dhamma Center
- Office of the University
- Faculty of Architecture
- Faculty of Arts
- **Faculty of Engineering**
- Sala Phra Kieo
- Mahamakut Building
- Faculty of Science
- Faculty of Communication Arts
- CU Demonstration Secondary School
- Chamchuri 9
- Samyan Market
- I'm Park



BUS TIMETABLE *** The shutter bus service operates Mondays to Fridays. ***

Hour	Minute			
6	45			
7	00	15	30	45
8	00	15	30	45
9	00	30		
10	00	30		
11	00	30		

Hour	Minute			
12	00	30		
13	00	30		
14	00	30		
15	00	30		
16	00	15	30	45
17	00	15	30	45

Hour	Minute			
18	00	15	30	45
19	00	30		
20	00	30		
21	00	30		



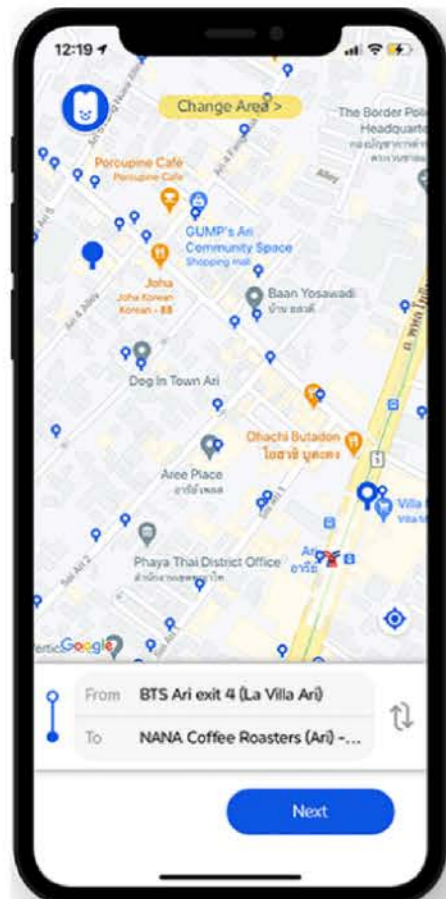


MUVMi LOCAL RIDESHARING SERVICE



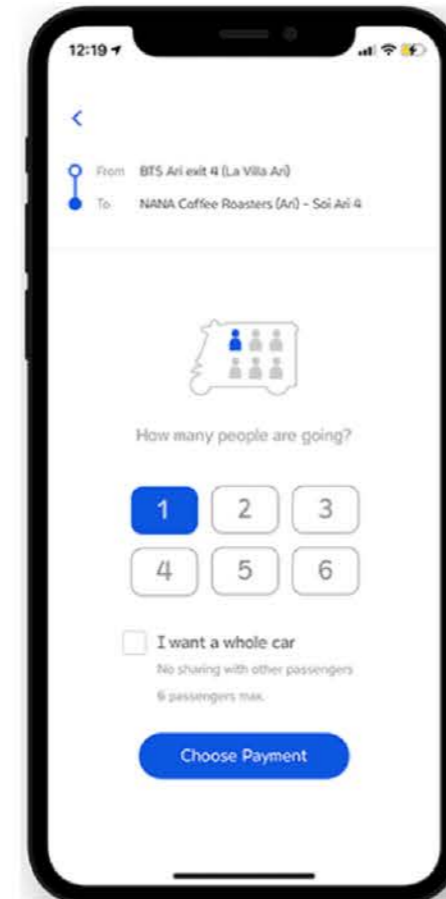
HOW TO USE MUVMi?

1



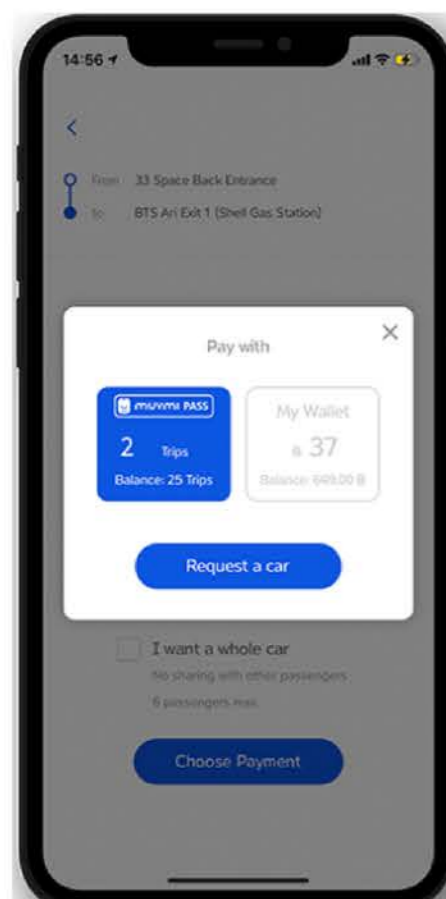
Choose your pick-up and drop-off points

2



Choose the number of passengers or select "I want a whole car" to book the whole Tuk Tuk

3



Choose to pay your trip with MuvMi Pass or my wallet

4



Request a ride and go to your pick-up point. Once your Tuk Tuk arrives, pay by simply scanning the QR code on the Tuk Tuk



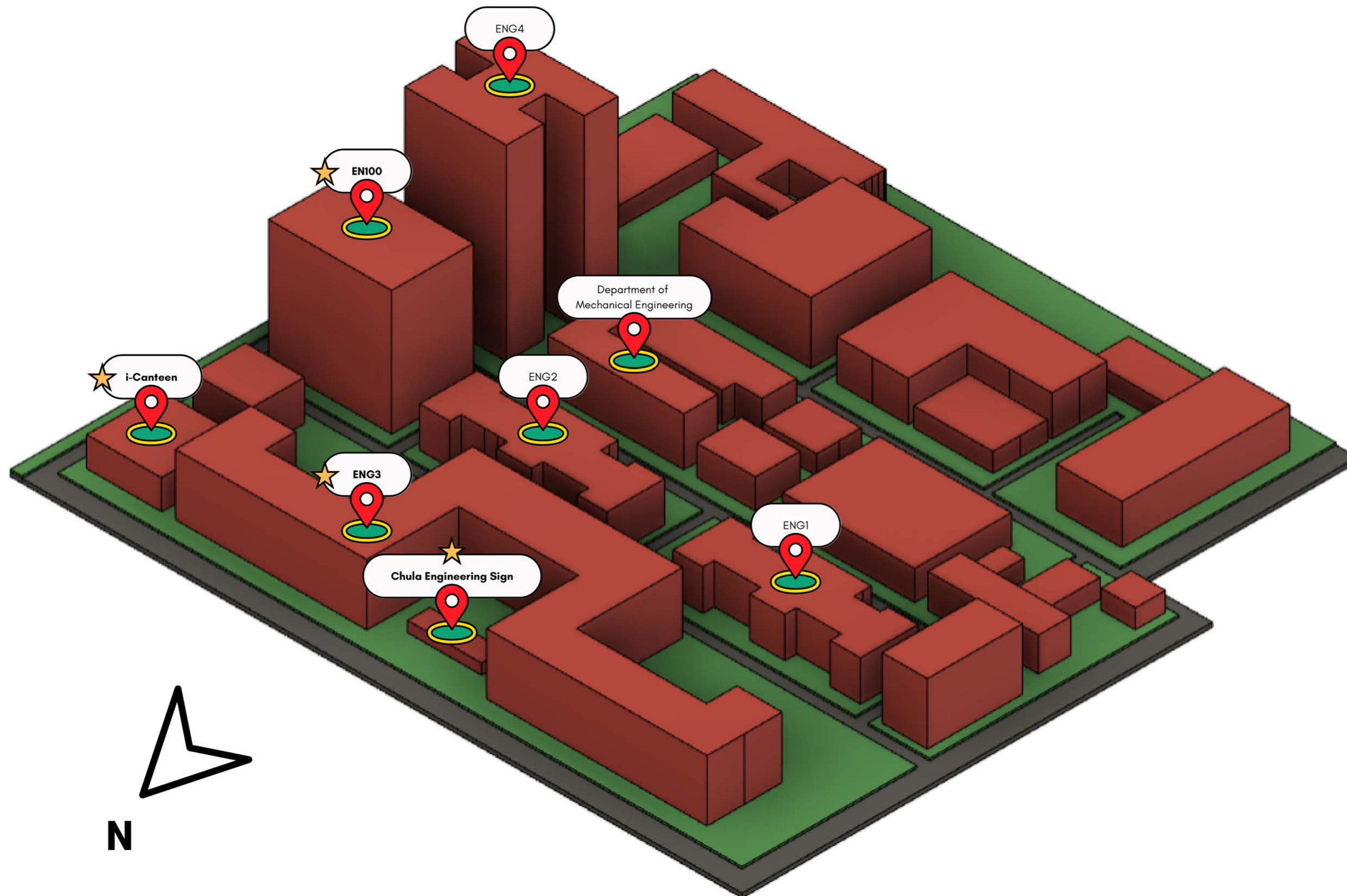
Download



For more information, please visit the website at <https://www.muvmi.co/en>.



FACULTY OF ENGINEERING CHULALONGKORN UNIVERSITY



ENG3
ENGINEERING 3



EN100
ENGINEERING 100 YEARS ANNIVERSARY

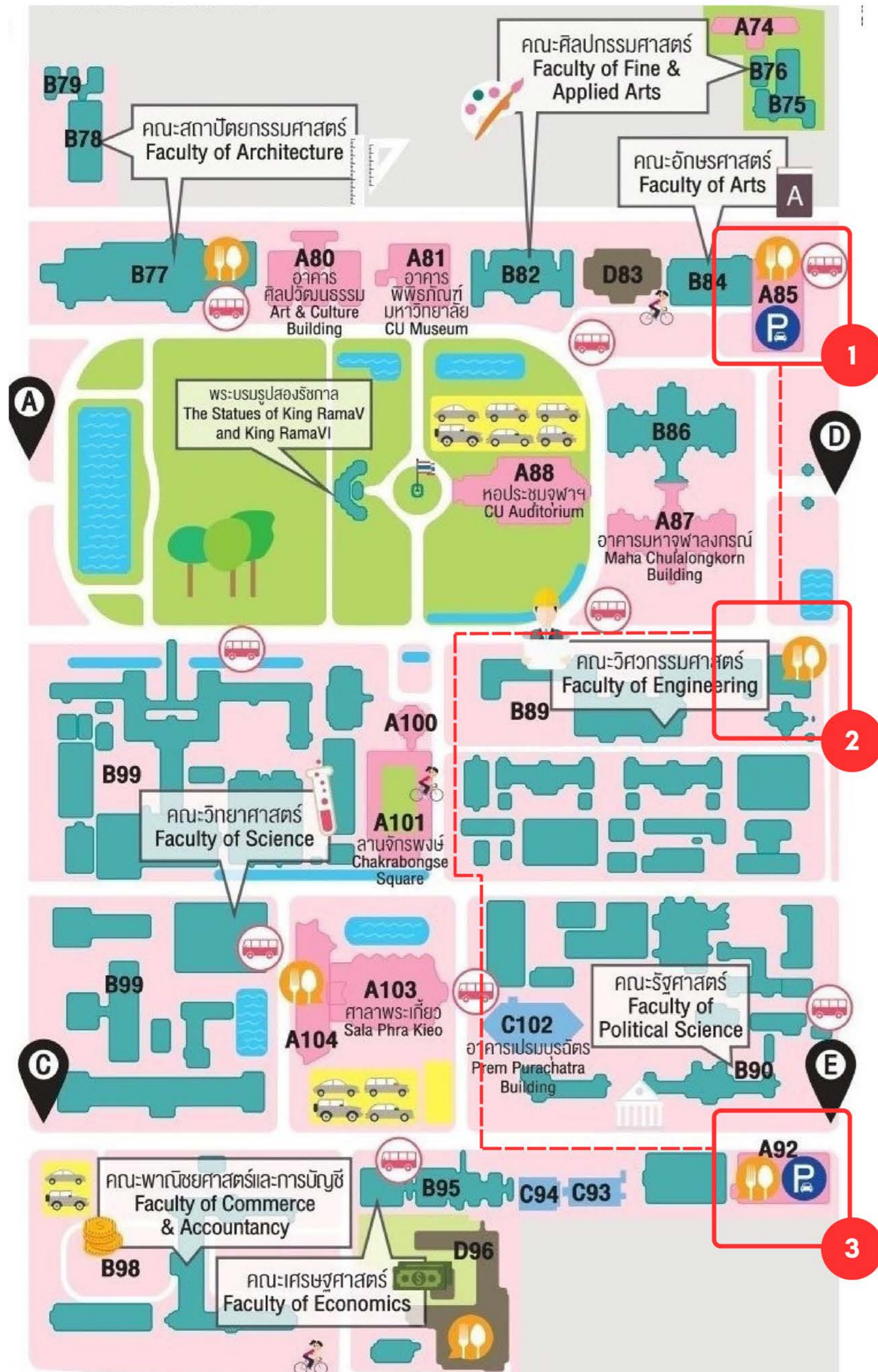


i-Canteen



TIPS: CANTEENS NEAR ME

During peak hours (from 11:30 to 13:00), the canteens around the faculty of engineering can get quite crowded. However, this bustling atmosphere provides an excellent opportunity to explore and savor a diverse range of Thai food options available around the campus.



FACULTY OF ARTS CANTEEN



**I-CANTEEN
FACULTY OF ENGINEERING**



**FACULTY OF POLITICAL
SCIENCE CANTEEN**

Scan QR code to get a route on Google Maps



EVENT SCHEDULE



EVENT SCHEDULE

IDC ROBOCON: 7 - 19 AUGUST 2023



AUGUST 2023

MON

TUE

WED

THU

FRI

SAT

SUN

1

2

3

4

5

6

Arrival

7

8

9

10

11

12

13

Opening Ceremony

Brainstorming

Idea Proposal
Presentation

Design and Build

National Holiday

One Day Trip

Problem Announcement

Design and Build

Banquet Dinner

Welcome Party

14

15

16

17

18

19

20

Design and Build

Seeding Contest

Final Contest

Departure



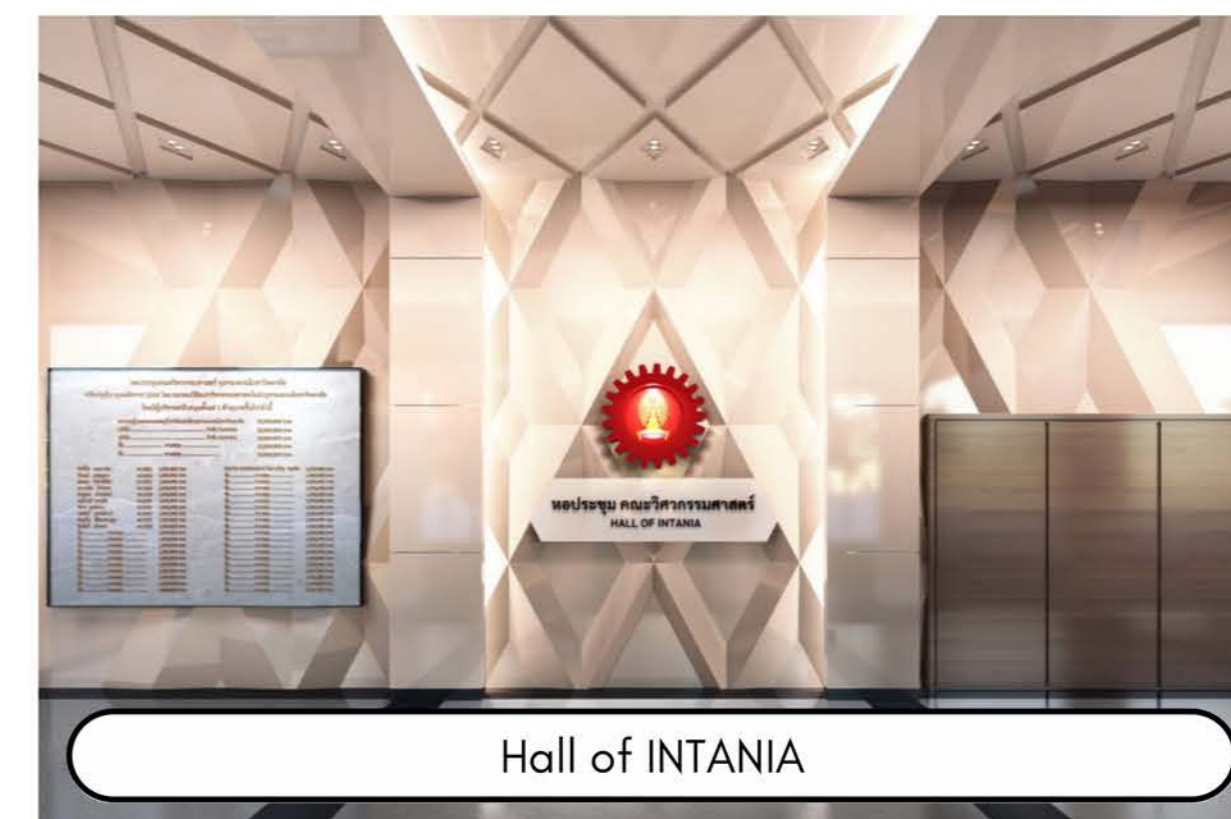
7 AUGUST 2023

OPENING CEREMONY, PROBLEM ANNOUNCEMENT



TIMETABLE

8.30 - 9.00	Event Registration	Hall of INTANIA ENG3, 1st Floor
9.00 - 11.00	Opening Ceremony	Hall of INTANIA ENG3, 1st Floor
11.00 - 11.30	Problem Announcement <i>Note: For all questions regarding to game rules, please defer to the dedicated Q&A session.</i>	Hall of INTANIA ENG3, 1st Floor
11.30 - 13.00	Lunch	MI Workspace EN100, M Floor
13.00 - 15.00	Q&A Session	MI Workspace EN100, M Floor
15.00 - 17.30	Workshop & CU Tour	Chulalongkorn University
17.30 - 21.00	Welcome Party	CU Centenary Park



Hall of INTANIA



MI Workspace



CU Centenary Park

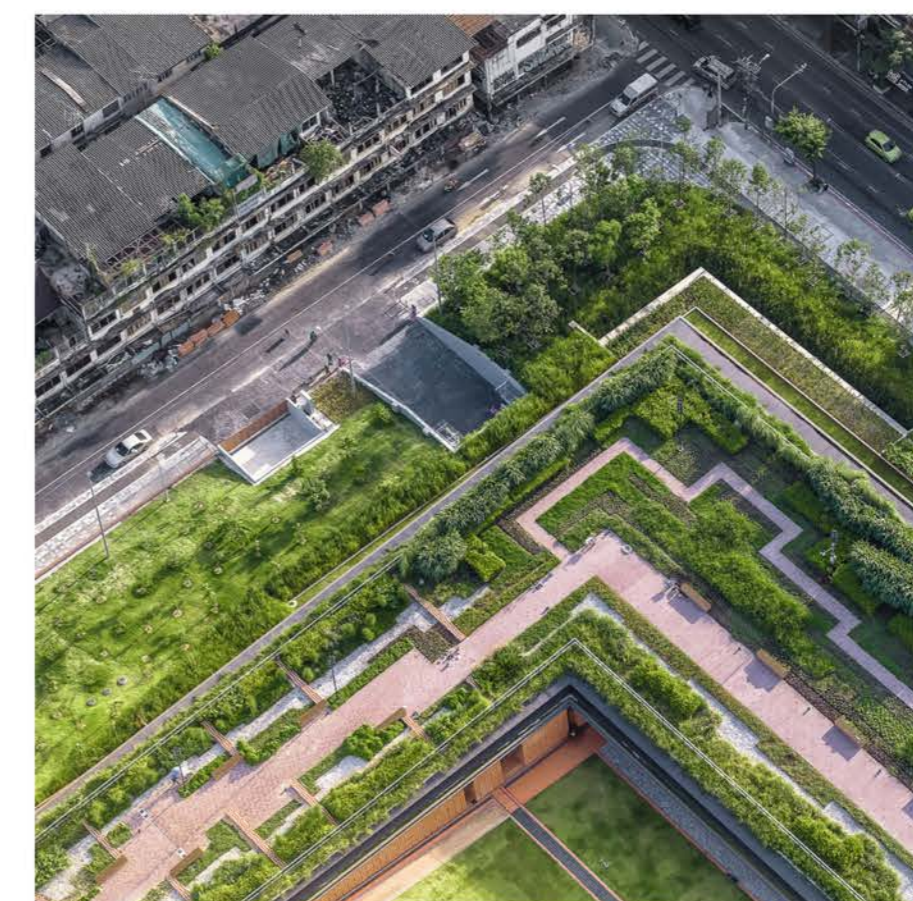
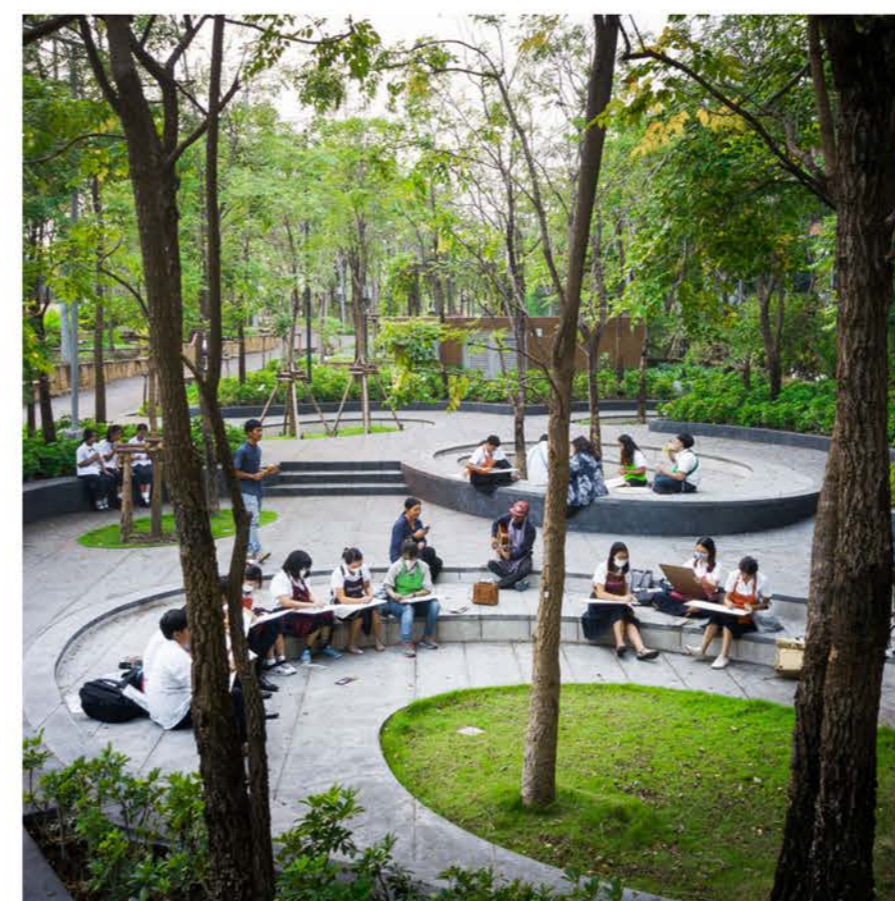
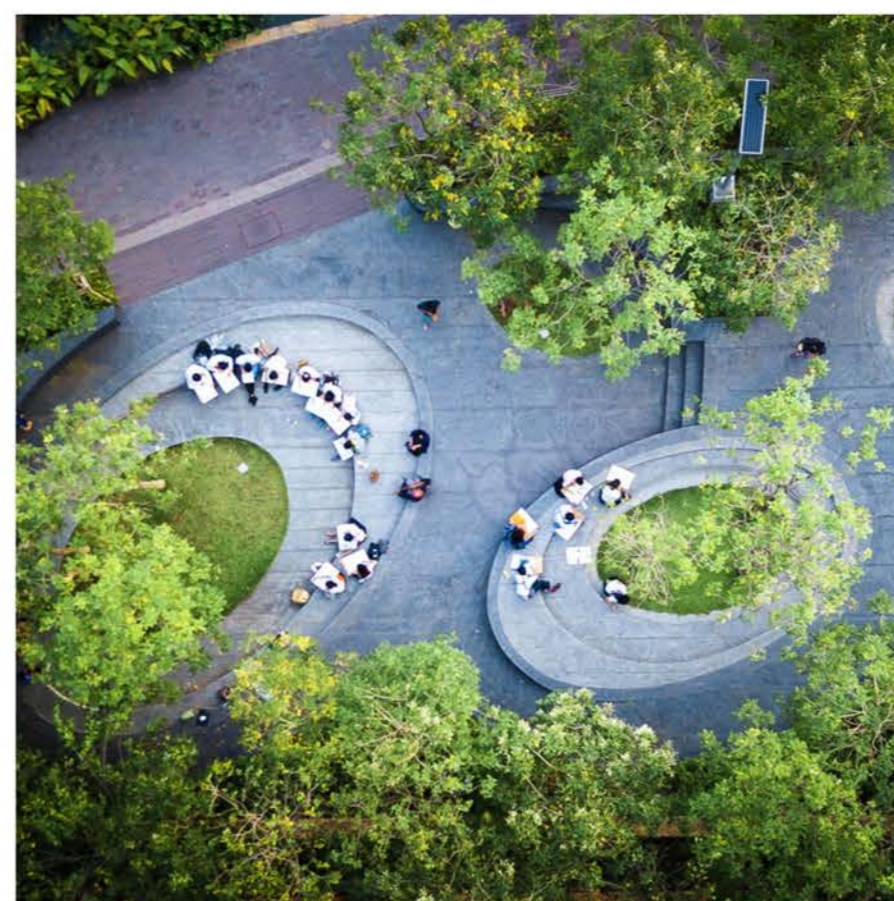
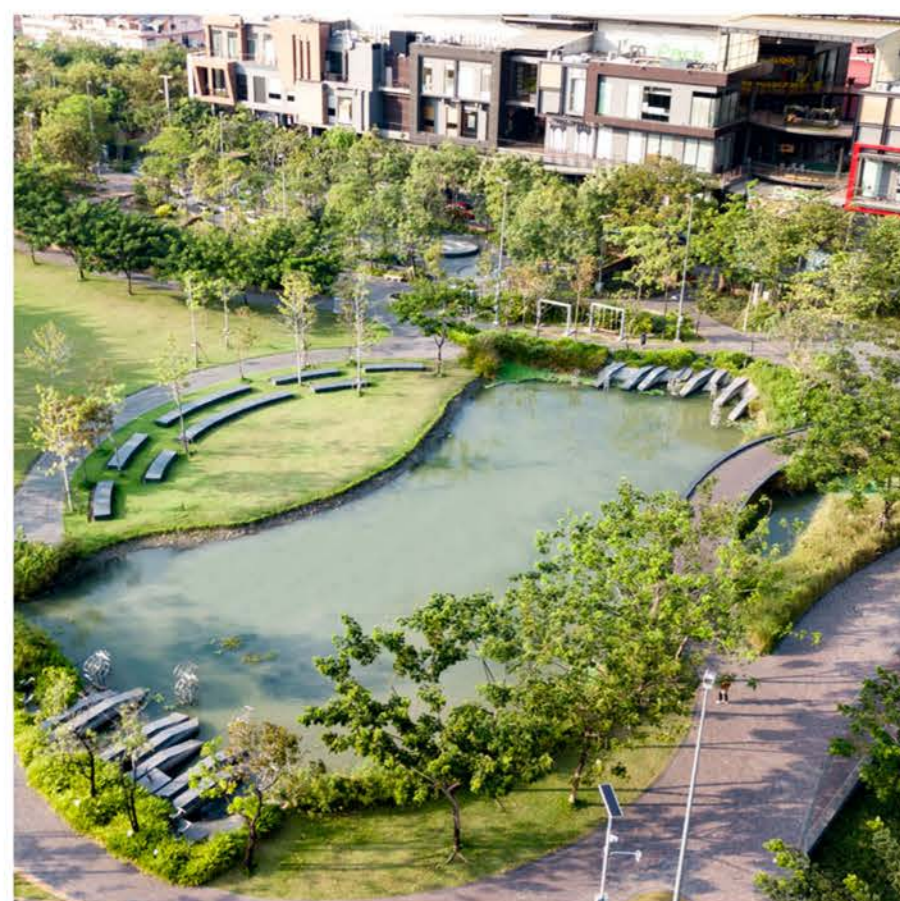
*** The schedule may be subject to change as appropriate ***



CU CENTENARY PARK



The **CU Centenary Park** was created to provide a green space for the city and celebrate Chulalongkorn University's 100th anniversary. Located in the center of shopping and commerce, the park is designed as a multi-functional "urban forest", which serves as an oasis for the residents and visitors of Bangkok wishing to spend quality leisure time in a lush and pleasant environment. The park includes a constructed wetland, with a rain garden, retention pond and an underground water drainage system. It also holds an interactive virtual museum featuring historical and socially engaging topics, with life-like exhibits periodically showcased at the main hall of the park. Apart from the greenery of the trees and shrubs, park-goers can benefit from the many organized public activities, which are all in line with the university's goal to foster a smart and inclusive society.



CU Centenary Park opens daily from 5AM to 10PM



8 AUGUST 2023 BRAINSTORMING



TIMETABLE

9.00 - 9.30	Materials Distribution	MI Workspace EN100, M Floor
9.30 - 11.00	Brainstorming Session (with online participants)	MI Workspace EN100, M Floor
11.00 - 12.00	Lunch	Canteens
12.00 - 17.00	Brainstorming Session	MI Workspace EN100, M Floor



*** The schedule may be subject to change as appropriate ***





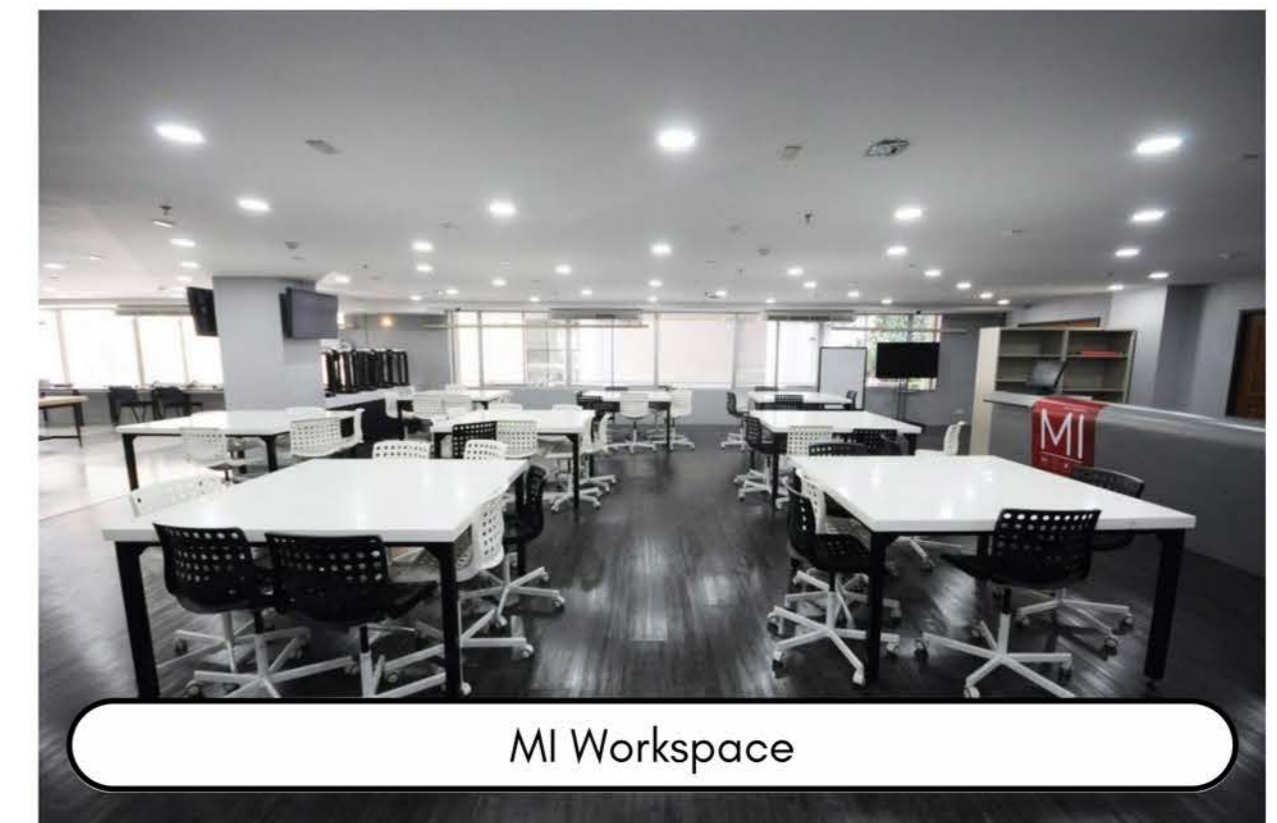
9 AUGUST 2023

IDEA PROPOSAL PRESENTATION



TIMETABLE

9.00 - 9.30	Preparing for Idea Proposal Presentation	MI Workspace EN100, M Floor
9.30 - 11.00	Idea Proposal Presentation (with online participants)	Room 303, 305, 306 EN100, 3rd Floor
11.00 - 12.00	Lunch	Canteens
12.30 - 17.00	Designing and Building Robots	MI Workspace EN100, M Floor



*** The schedule may be subject to change as appropriate ***





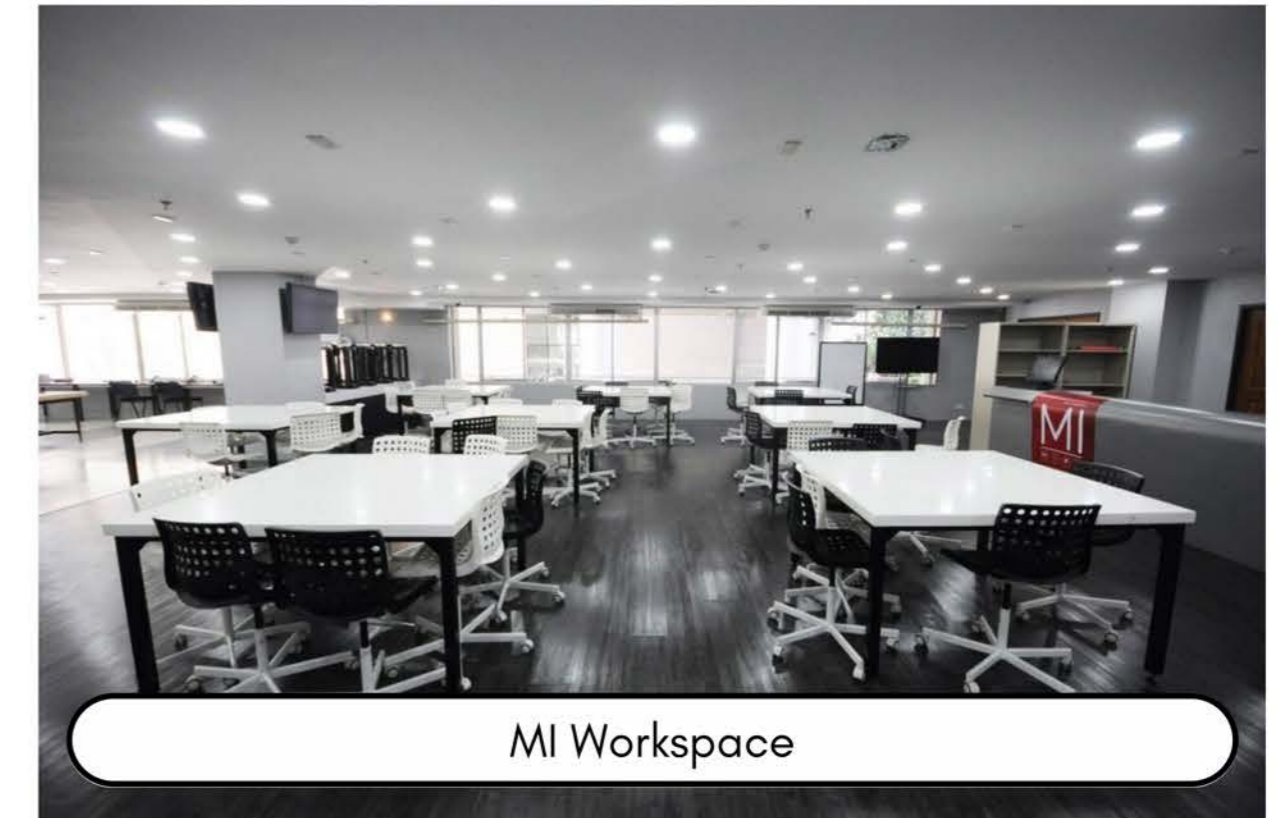
10-11 AUGUST 2023

DESIGNING AND BUILDING ROBOTS



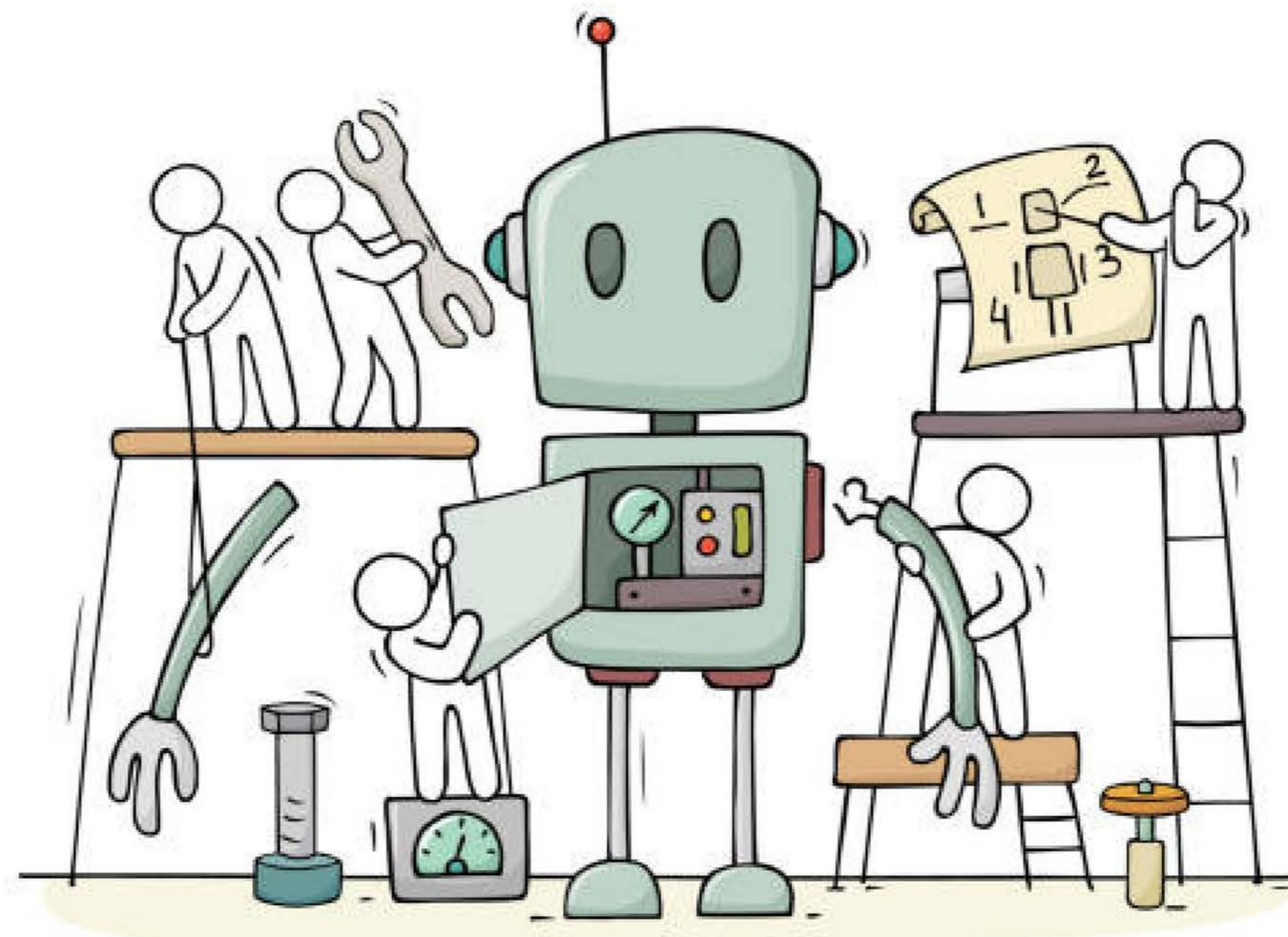
TIMETABLE

9.00 - 11.00	Designing and Building Robots	MI Workspace EN100, M Floor
11.00 - 12.00	Lunch	Canteen
12.00 - 17.00	Designing and Building Robots	MI Workspace EN100, M Floor



MI Workspace

*** The schedule may be subject to change as appropriate ***





13 AUGUST 2023

ONE DAY TRIP TO AYUTTHAYA

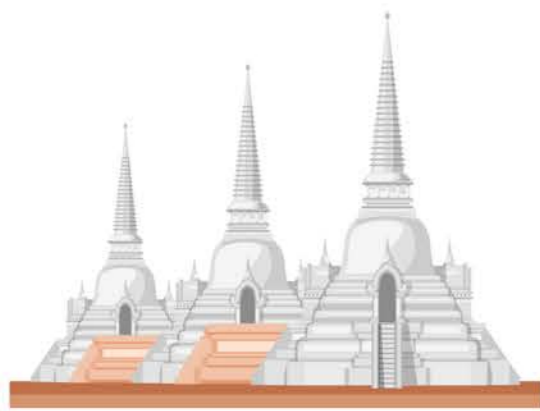


TIMETABLE

7.30 - 8.00	Registration	MI Workspace EN100, M Floor
8.00 - 9.30 Journey by Bus to Ayutthaya		
9.30 - 11.00	Visiting Wat Mahathat	Ayutthaya, Thailand
11.00 - 12.30	Lunch	Ayutthaya, Thailand
12.30 - 14.30	Cultural Activity 1	Ayutthaya Elephant Palace & Royal Kraal
14.30 - 16.30	Cultural Activity 2	Aunt Mali's Thai dessert
16.30 - 19.00	Banquet Dinner	Ayutthayarom Restaurant
19.00 - 20.30 Travel back to CU iHouse		



*** The schedule may be subject to change as appropriate ***



AYUTTHAYA - ONE DAY TRIP

Wat Maha That is an ancient temple located in the historic city of Ayutthaya, Thailand. Dating back to the 14th century, the temple holds immense significance as one of the most important religious and cultural sites in the region. Its centerpiece is a striking Buddha head engulfed by the roots of a majestic banyan tree, a mysterious and iconic sight that attracts visitors from around the world. As you wander through the temple grounds, you will be enchanted by the serene ambiance and the beautifully adorned stupas and Buddha images. Wat Maha That stands as a testament to the enduring spiritual heritage and artistic brilliance of Thailand's past, inviting visitors to immerse themselves in its captivating history and tranquil aura.

Embark on an enchanting expedition by taking an **elephant ride** in Ayutthaya, Thailand. This extraordinary activity allows you to explore the historical wonders of the ancient city in a truly unforgettable manner. Seated atop these majestic creatures, you will leisurely traverse through picturesque landscapes, passing by the remnants of ancient temples and age-old monuments that narrate stories of a glorious bygone era. The bond you establish with these gentle giants provides a unique experience, as you experience their warmth and intelligence up close. Beyond being an entertaining adventure, an elephant ride in Ayutthaya offers a profound appreciation for the harmonious connection between these magnificent animals and the culturally significant heritage they have been intertwined with for centuries.

Maria Guyomar de Pina, known as Thao Thong Kip Ma, lived during King Narai's reign in 17th-century Ayutthaya. Of Japanese-Portuguese-Bengali descent, she married Constantine Phaulkon, a Greek figure at the Thai royal court. Their foreign influence drew resentment, and in 1688, a coup led by Phra Phetracha ousted King Narai. Constantine was executed, and Maria sought refuge with French troops during the Siege of Bangkok. Afterward, she worked in the royal kitchens and revolutionized **Thai desserts**, introducing new ingredients and flavors. Maria's influence enriched Thai culinary history, credited with popularizing Khanom mo kaeng and Thong yot, among others, leaving a lasting legacy in Siamese tradition.





14-17 AUGUST 2023

DESIGNING AND BUILDING ROBOTS

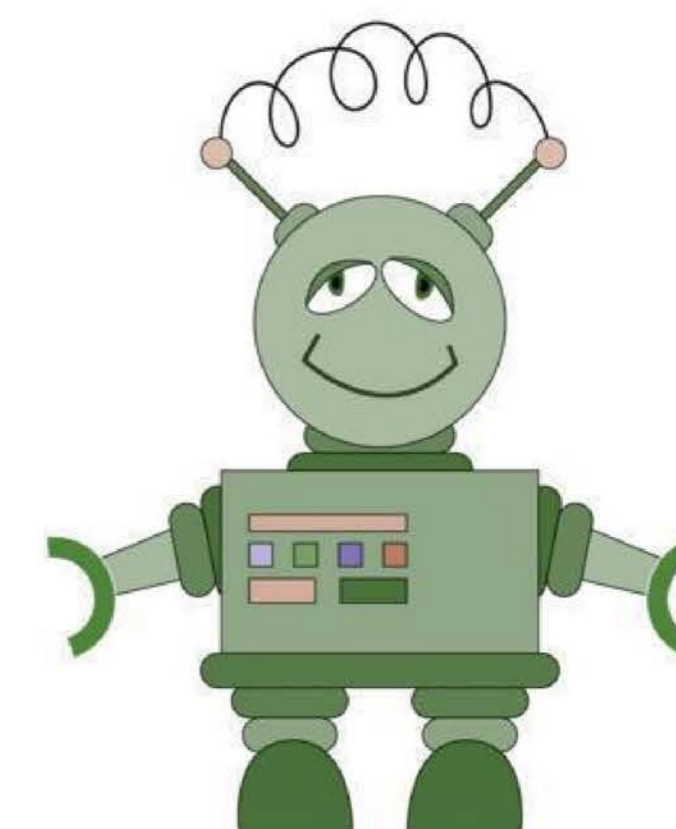
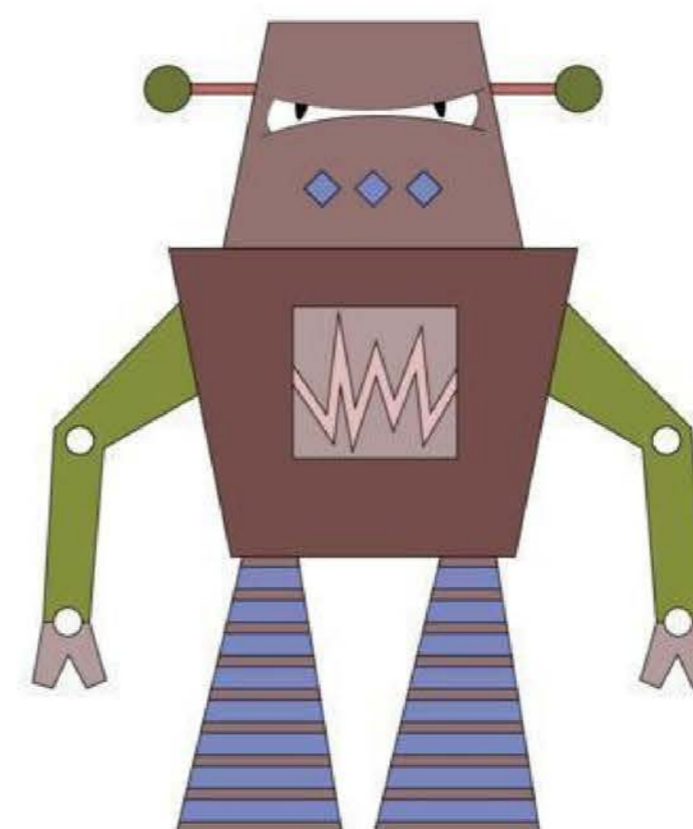
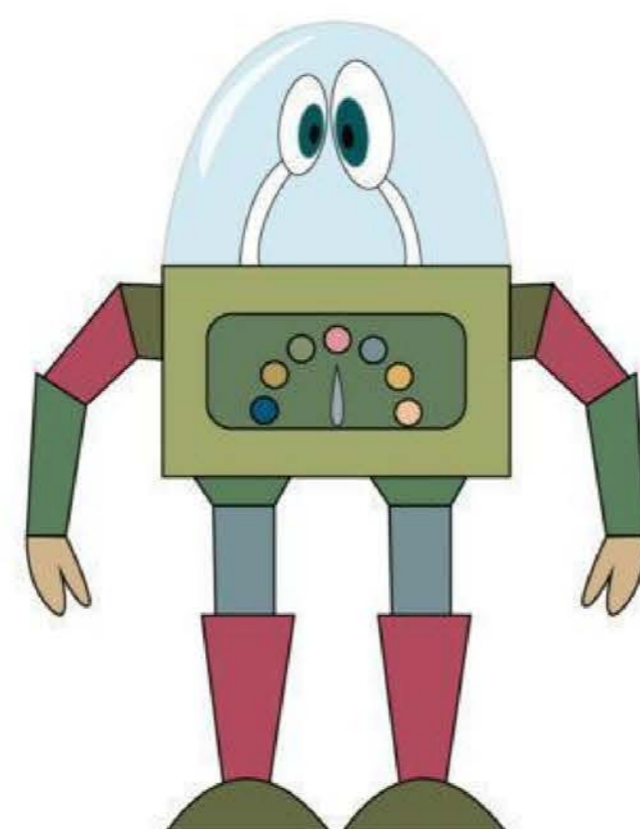
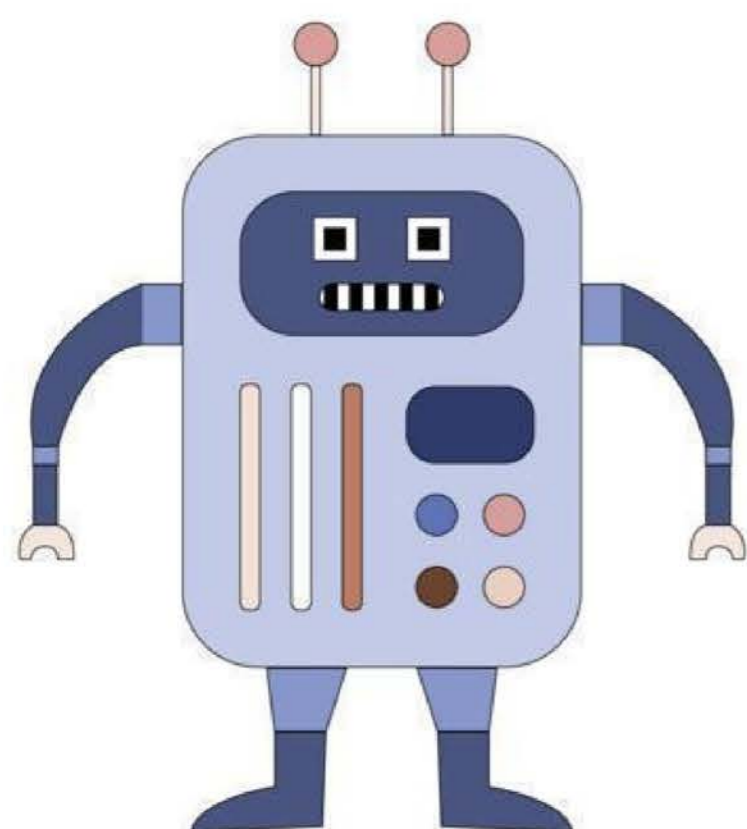


TIMETABLE

9.00 - 10.30	Designing and Building Robots	MI Workspace EN100, M Floor
10.30 - 11.00	Homeroom Time (with online participants)	MI Workspace EN100, M Floor
11.00 - 12.00	Lunch	Canteen
12.00 - 17.00	Designing and Building Robots	MI Workspace EN100, M Floor



*** The schedule may be subject to change as appropriate ***



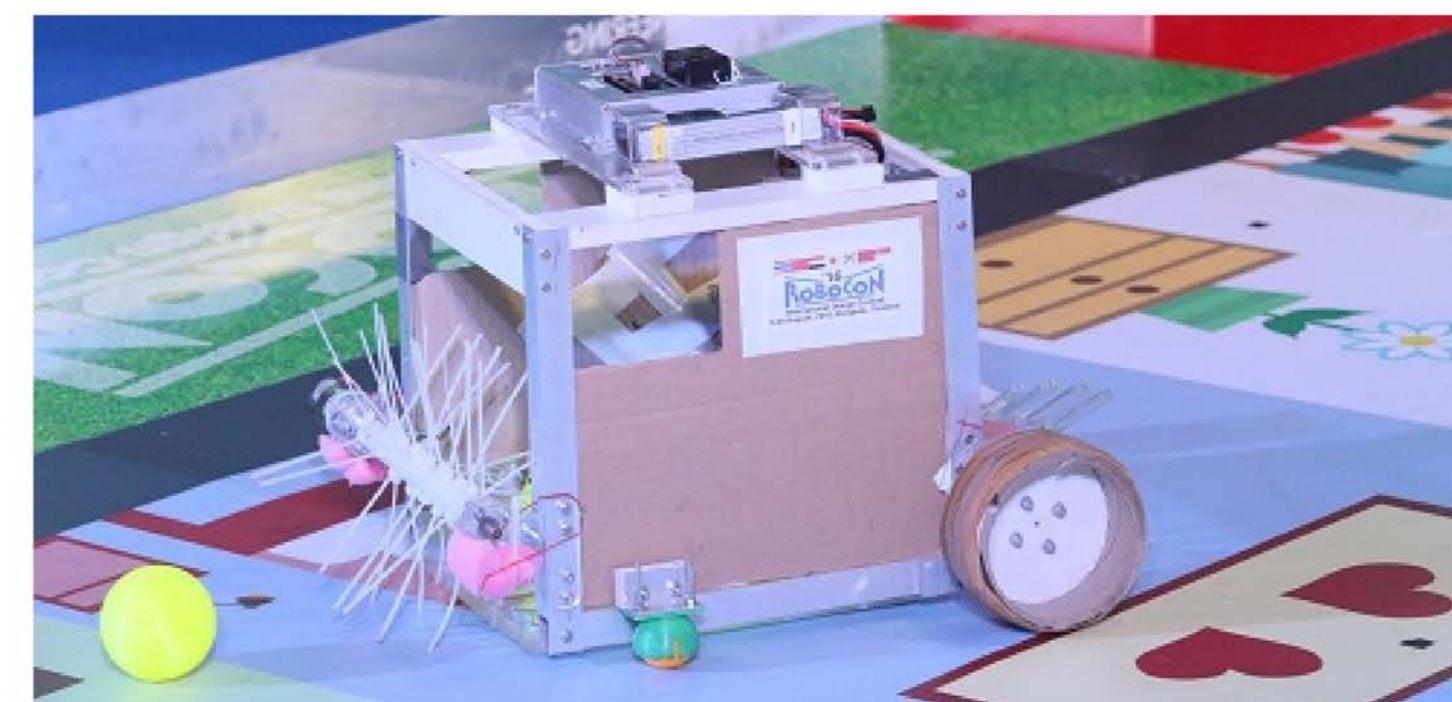


18 AUGUST 2023 SEEDING CONTEST



TIMETABLE

7.30 - 8.00	Registration	MI Workspace EN100, M Floor
8.00 - 14.00	Seeding Contest	EN100, 1st Floor



*** The schedule may be subject to change as appropriate ***





19 AUGUST 2023 FINAL CONTEST



TIMETABLE

7.30 - 8.00	Registration	MI Workspace EN100, M Floor
8.00 - 9.00 Travel by Bus to Impact Arena, Muang Thong Thani		
9.00 - 18.00	Final Contest	Impact Arena, Muang Thong Thani
18.00 - 19.00 Travel back to CU iHouse		



*** The schedule may be subject to change as appropriate ***





IMPORTANT CONTACTS



Project manager

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On-site contest coordinator

PANNIKA MUKSUWAN (SMILE)

Tel: +6665-098-5441



Email: smile.dslr@gmail.com

On-site contest coordinator

(BALL)

Tel: +6665-960-3930 (Line ID: ball1574129)

Email: kittipob1574@gmail.com



EMERGENCY NUMBERS

CU Emergency Hotline: +66 (0)2-218-0000

CU iHouse: +66 (0)2-217-3188

+66 (0)66-095-1670

Police: 191

Emergency Ambulance Hotline: 1669

Online contest coordinator

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