

21<sup>st</sup> century skills multicultural journey  
**THE 3<sup>RD</sup> SOUTHEAST ASIAN MOBILITY (SAM21)**



**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA



# Southeast Asian Mobility for 21st Century Skills



**Universitas Negeri Jakarta  
Universiti Teknologi Malaysia  
King Mongkut's University of Technology Thonburi**

**Phase 1: Online – 24-26 August**

**Phase 2: Online – 21-23 September**

**Phase 3: Online/Indonesia – 12-15 December**



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**Summer School Program**

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# 1 Programme Information

## 1.1 Aim and Overview

The program will be separated into three location and content depending on phase. Student will undergo Collaborative Online International Learning throughout the program. The third phase will be in Malaysia, Thailand and Indonesia, with content focusing on Design Thinking, Prototyping and Business Plan respectively.

During the first phase, participant will go through design thinking process in order to develop solution to a given problem. Participant will experience a step by step process focusing on customer centric design process to ensure solution proposed fits the customer requirement. Teamworking and Thinking skills is also embedded in this module to develop important 21st century skills among the participants.

In Phase 2, held in Malaysia, participant have undergone training to develop their own Internet of Things solution to their project. Phase 3 in Indonesia will focus on the business and communication element of the project.

Participant will prepare a business model canvas through identification of their own project value proposition and develop a minimum viable product to market their idea. They will present these in an elevator pitch session at the end of the program.

## 1.2 Programme Objectives

- Understand basic concept of design thinking
- Identify strength and quality of each team member
- Identify strategy to synergize member strength for the improvement of the team.
- Identify steps required to perform design thinking in solving any problem given
- Develop prototype of the product using Internet of Things technology
- Prepare Business Model Canvas for each group project
- Develop a solid value proposition for their project
- Learn how to give short but interesting presentation/ elevator pitch

## 1.3 Course Participant and Requirements

The workshops are targeted at the following groups of participants

- Undergraduate Students
- Postgraduate Students

Participants should have a basic foundation in English to facilitate understanding of the workshop presentations and learning activities.

#### **1.4 Course Duration**

Phase 1: 2 Days Design Thinking

Phase 2: 3 Days IoT Prototyping

Phase 3: 4 Days Business Pitching

#### **1.5 Course Provider and Facilitators**

Fauzan Khairi Che Harun, PhD – Universiti Teknologi Malaysia

Tula Juratosanga, PhD – King Mongkut's University of Technology Thonburi

Yuli Rahmawati, PhD – Universitas Negeri Jakarta

## 2 Programme Schedule

General Program	Day	Activity
	Phase 1: 24 Aug	Design Thinking
	Phase 1: 25 Aug	Conceptualization
	Phase 1: 26 Aug	Co-Creation Presentation
	Phase 2: Day 1	Internet of Things with Edison/Wemos/Arduino/Raspberry Pi/Others
	Phase 2: Day 2	Mobile Apps Development and Presentation
	Phase 2: Day 3	Cultural Activities: Cultural Food from each country
	Phase 3: Day 1	Business Model Canvas
	Phase 3: Day 2	Business Plan and Pitching
	Phase 3: Day 3	Presentation and Elevator Pitch /Marketplace
	Phase 3: Day 4	Cultural Activities and Closing

### 3 Materials

1. Sticky Notes Online
2. Online Whiteboard
3. Mahjong Paper Online
4. Laptop for Presentation
5. Printer for printing
6. Node MCU
7. Sensors and Transducers
8. Padlet Link
9. Google Drive for editing report

### 4 Student Lists

Below is the list of students participating in the SAM21 2020 session.

Full Name (Same as Passport)	Gender	Country
Zainun Nisa Khumaira	Female	Indonesia
Diandra Cattleya Nugraha	Female	Indonesia
Marko Mathin Albar	Male	Indonesia
Fuad Rizki Rismawan	Male	Indonesia
Muhammad Rafli Alfarisi	Male	Indonesia
Defanka Faradiba Kusuma	Female	Indonesia
Octaviano Hartanto	Male	Indonesia
Mario Aditya Prasetyo	Male	Indonesia
Nabilah Prisilia	Female	Indonesia
Rizky Sulistyowati	Female	Indonesia
Miska Zidna Ilmana	Female	Indonesia
Anggita Ratna Pertiwi	Female	Indonesia
Ilmi Zakiah Amalia	Female	Indonesia
Farah Fadhilah	Female	Indonesia
Aulia Natasya	Female	Indonesia
Nabila Seflini	Female	Indonesia
Salsabila Luthfiyah	Female	Indonesia
Andi Yusuf Effendi	Male	Indonesia
Ratno Tri Laksono	Male	Indonesia
Oscar Ling Fang Jack	Male	Malaysia

Fayomi Segun Alex	Male	Nigeria
Olaniyi Samuel Abimbola	Male	Nigeria
Muhammad Huzaifah Bin Adam	Male	Malaysia
Olaoye Victor Inioluwa	Male	Nigeria
Shasither A/L Sandran	Male	Malaysia
Siti Azreendayani Binti Abd Rahim	Female	Malaysia
Arogbo Precious Ayomide	Male	Nigeria
Ireghe Tamarauemi	Male	Nigeria
Omogunloye Adeoye Olufunke Anuoluwa	Female	Nigeria
Tang Yi Quan	Male	Malaysia
Syed Abdul Quddus Al-Khered Bin Syed Jamal Abdul Nasir	Male	Malaysia
Bellarina Chew Li Yen	Female	Malaysia
Tan Jun Jie	Male	Malaysia
Tawkir Tazammul Irfad	Male	Bangladesh
Wan Muhammad Akid Bin Wan Abd Samad	Male	Malaysia
Fahad Sarwar	Male	Bangladesh
Falola Toluwalope Damilare	Female	Nigeria
Paweenuch Porbun	Female	Thailand
Taksaporn Panoppa	Female	Thailand
Nattaya Lapila	Female	Thailand
Odeyemi Olubunmi	Male	Nigeria
Pattarapon Tanalikhit	Male	Thailand
Adekanmbi Martha Omolara	Female	Nigeria
Mr. Apichart Sirikantayawat	Male	Thailand
Rashpal Kaur Ghuman	Female	Malaysia
Origunloye Temiloluwa	Female	Nigeria
Wong Wei Lee	Male	Malaysia
Oyedeji Temitope Victor	Male	Nigeria



## 5 Student Groups

<p><b>Group 1</b></p> <ol style="list-style-type: none"> <li>1. Zainun Nisa Khumaira (F/ Indonesia)</li> <li>2. Nabila Seflini (F/ Indonesia)</li> <li>3. Muhammad Huzaifah Bin Adam (M/ Malaysia)</li> <li>4. Arogbo Precious Ayomide (M/ Nigeria)</li> <li>5. Mr. Apichart Sirikantayawat (M/ Thailand)</li> </ol>	<p><b>Group 6</b></p> <ol style="list-style-type: none"> <li>1. Defanka Fardiba Kusuma (F/ Indonesia)</li> <li>2. Oscar Ling Fang Jack (M/ Malaysia)</li> <li>3. Rashpal Kaur Ghuman (F/ Malaysia)</li> <li>4. Ireghe Tamarauemi (M/ Nigeria)</li> <li>5. Oyedeji Temitope Victor (M/ Nigeria)</li> </ol>
<p><b>Group 2</b></p> <ol style="list-style-type: none"> <li>1. Diandra Cattleya Nugraha (F/ Indonesia)</li> <li>2. Salsabila Luthfiyah (F/ Indonesia)</li> <li>3. Shasither A/L Sandran (M/ Malaysia)</li> <li>4. Olaoye Victor Inioluwa (M/ Nigeria)</li> </ol>	<p><b>Group 7</b></p> <ol style="list-style-type: none"> <li>1. Octaviano Hartanto (M/ Indonesia)</li> <li>2. Anggita Ratna Pertiwi (F/ Indonesia)</li> <li>3. Tan Jun Jie (M/ Malaysia)</li> <li>4. Originloye Temiloluwa (F/ Nigeria)</li> <li>5. Pattarapon Tanalikhit (M/ Thailand)</li> </ol>
<p><b>Group 3</b></p> <ol style="list-style-type: none"> <li>1. Marko Mathin Albar (M/ Indonesia)</li> <li>2. Miska Zidna Ilmana (F/ Indonesia)</li> <li>3. Odeyemi Olubunmi (M/ Nigeria)</li> <li>4. Paweenuch Porbun (F/ Thailand)</li> </ol>	<p><b>Group 8</b></p> <ol style="list-style-type: none"> <li>1. Mario Aditya Prasetyo (M/ Indonesia)</li> <li>2. Ilmi Zakiah Amalia (F/ Indonesia)</li> <li>3. Bellarina Chew Li Yen (F/ Malaysia)</li> <li>4. Wong Wei Lee (M/ Malaysia)</li> <li>5. Fayomi Segun Alex (M/ Nigeria)</li> </ol>
<p><b>Group 4</b></p> <ol style="list-style-type: none"> <li>1. Fuad Rizki Rismawan (M/ Indonesia)</li> <li>2. Aulia Natasya (F/ Indonesia)</li> <li>3. Siti Azreendayani Binti Abd Rahim (F/ Malaysia)</li> <li>4. Olaniyi Samuel Abimbola (M/ Nigeria)</li> <li>5. Taksaporn Panoppa (F/ Thailand)</li> </ol>	<p><b>Group 9</b></p> <ol style="list-style-type: none"> <li>1. Nabilah Prisilia (F/ Indonesia)</li> <li>2. Andi Yusuf Effendi (M/ Indonesia)</li> <li>3. Syed Abdul Quddus Al-Khered Bin Syed Jamal Abdul Nasir (M/ Malaysia)</li> <li>4. Falola Toluwalope Damilare (F/ Nigeria)</li> <li>5. Fahad Sarwar (M/ Bangladesh)</li> </ol>
<p><b>Group 5</b></p> <ol style="list-style-type: none"> <li>1. Muhammad Rafli Alfarisi (M/ Indonesia)</li> <li>2. Farah Fadhilah (F/ Indonesia)</li> <li>3. Wan Muhammad Akid Bin Wan Abd Samad (M/ Malaysia)</li> <li>4. Omogunloye Adeoye Olufunke Anuoluwa (F/ Nigeria)</li> <li>5. Nattaya Lapila (F/ Thailand)</li> </ol>	<p><b>Group 10</b></p> <ol style="list-style-type: none"> <li>1. Rizky Sulistyowati (F/ Indonesia)</li> <li>2. Ratno Tri Laksono (M/ Indonesia)</li> <li>3. Tang Yi Quan (M/ Malaysia)</li> <li>4. Adekanmbi Martha Omolara (F/ Nigeria)</li> <li>5. Tawkir Tazammul Irfad (M/ Bangladesh)</li> </ol>

## 6 Groups' Application

We use "Band" apps to communicate to each other in this program. These are the ways how to join the "Band" apps:

1. Download "Band" apps from your playstore or appstore.
2. Make an account, you can sign up with your google account.
3. Join the group through this link <https://bit.ly/SAM21GROUP>

## 7 Contacts

Dr. Yuli Rahmawati

Tel: +62 812-8197-6779

Email: [yulirahmawatiunj@gmail.com](mailto:yulirahmawatiunj@gmail.com)

Dr. Tula Jutarosaga

Tel: 66826340499

Email: [tula.jut@mail.kmutt.ac.th](mailto:tula.jut@mail.kmutt.ac.th)

Dr. Fauzan Khairi Che Harun

Tel: 60197759749

Email: [fauzan@utm.my](mailto:fauzan@utm.my)