



**1. Online Course Title :** Thailand Next move : Infrastructure, Industry and Innovation in Economic and Environmental Challenges

**2. Duration :** 3 weeks (7 days) : 6<sup>th</sup> – 20<sup>th</sup> June 2022

### 3. Background and Rational

The 2030 Agenda for Sustainable Development, adopted by all United Nations Member States in 2015, provides a shared blueprint for peace and prosperity for people and the planet, now and into the future. At its heart are the 17 Sustainable Development Goals (SDGs), which are an urgent call for action by all countries – developed and developing – in a global partnership. They recognize that ending poverty and other deprivations must go hand-in-hand with strategies that improve health and education, reduce inequality, and spur economic growth

Steady progress has been made in the manufacturing industry. To achieve inclusive and sustainable industrialization, competitive economic forces need to be unleashed to generate employment and income, facilitate international trade and enable the efficient use of resources.

- The global share of manufacturing value added in GDP increased from 15.2 per cent in 2005 to 16.3 per cent in 2017, driven by the fast growth of manufacturing in Asia.
- Globally, the carbon intensity decreased by 19 per cent from 2000 to 2015— from 0.38 to 0.31 kilograms of carbon dioxide per dollar of value added.
- In 2015, medium-high- and high-technology sectors accounted for 44.7 per cent of total manufacturing value added globally. The value added reached 34.6 per cent in developing economies, up from 21.5 per cent in 2005.
- By 2016, the proportion of the population covered by a third generation (3G) mobile broadband network stood at 61 per cent in the LDCs and 84 per cent globally

So, the Thailand International Cooperation Agency (TICA), Ministry of Foreign Affairs in collaboration with Academic Service Centre (ASC), Burapha University, Chonburi, Thailand organize and design the course's curriculum with the arrangement of this programme to support sustainable development Goal 9 in the 2030 Agenda for Sustainable Development build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation and help developing countries for understanding Infrastructure for Sustainable, Innovation for Economic, Social, SMEs and Infrastructure, Ecosystem for investment &

development in the industrial sector also can apply concepts and experienced for sustainable development in their countries.

#### **4. Objectives**

- 4.1 To provide and exchange knowledge on Infrastructure for Sustainable, Infrastructure Development and related concepts
- 4.2 To provide and exchange knowledge on Innovation for Economic, Social, SMEs and Infrastructure, New/Green product development, Innovation in Economic and Environmental Challenges
- 4.3 To provide and exchange knowledge on Ecosystem for investment& development in the industrial sector, Entrepreneurship in Thailand
- 4.4 To provide the participants in exploring and learning with multiple case studies, success cases /stories following Infrastructure, Innovation, Industry to sustainable development
- 4.5 To help developing countries to become self-reliant and support community for establish sustainable development

#### **5. Course Contents**

##### **5.1 Course Outline (Lecture/Seminar/Discussion/Sharing)**

- 5.1.1 Thailand Investment and Partnership
  - Investment Policies & Promotional Measure
- 5.1.2 Thailand Infrastructure for Sustainable
- 5.1.3 Industry Development Policies and driving measures
  - Ecosystem for investment & development in the industrial sector
  - Promoting & encouraging the industries/SMEs
- 5.1.4 Innovation for Economic, Social, SMEs and Infrastructure
- 5.1.5 Sustainable Transport & logistic for Development
- 5.1.6 Infrastructure for the Eastern Economic Corridor (EEC)
- 5.1.7 Smart City
- 5.1.8 Entrepreneurs & Innovation Success Story : Smart SMEs/ Smart Factory  
/Green & CSR Company
- 5.1.9 Innovation in Economic and Environmental Challenges : Government Supporting  
/Using AI to Revolutionise Energy Conservation
- 5.1.10 Sufficiency Economy Philosophy (SEP) Application
- 5.1.11 Success Stories and case study

## **5.2 Advance Assignments**

### **5.2.1 Country reports**

All participants are requested to prepare a 10 minutes country report.

Part 1: Country background and some details focus on geography, social and economy background and government policy for sustainable development.

Part 2: Idea/example development project in your work/country. The details should focus on key success or negative factors.

### **5.2.2 Project Assignment**

Each participant is required to prepare, submit report and give the presentation on how to apply the concept & experienced to your country (Concept Paper) before ending the programme

## **6. Participant Criteria**

- 6.1 Be nominated by their respective government
- 6.2 Language: proficiency in English (speaking, listening, reading and writing)
- 6.3 Education: at least bachelor degree in relation to economics, rural development, infrastructure, industry, innovation, social, environment and public policy or other relevant disciplinary areas with five (5) years of related work experience

## **7. Invited Countries**

ASEAN, South Asia, and others

## **8. Attendance and Evaluation**

Participants who completed the online training will receive E-certificate base on:

- 8.1 Online learning (not less than 80%)
- 8.2 Online class participation and discussion
- 8.3 Submission of the assignment
- 8.4 Online evaluation (the most correct and outstanding answer)

## **9. Online Schedule**

This seven-day online course via Zoom Cloud Meeting from Burapha University, Thailand

## 10. Training Institution

Academic Service Centre, Burapha University

1) Dr. Nawasit Rakbamrung

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2) Ms. Buttri Dumrisathonlamark

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## 11. Executing/Funding Agency

Thailand International Cooperation Agency (TICA)

Government Complex, Building B (South Zone), 8th Floor,  
Chaengwattana Rd. Laksi District, Bangkok 10210 THAILAND

Website: [www.tica.thaigov.net](http://www.tica.thaigov.net)

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**Schedule for The Online Training Programme:  
 “Thailand Next move : Infrastructure, Industry and Innovation in Economic and Environmental Challenges”  
 Via ZOOM Cloud Meetings : 6<sup>th</sup> – 20<sup>th</sup> June 2022**

Date/ Time/Topic	Time (Thailand time GMT+7)	Content	Speaker	Remark
<b>Day 1 : Monday 6<sup>th</sup> June 2022 /08.30 – 12.00 a.m.</b>				
	08.30 – 09.00 a.m.	🔓 Room open to Join link & Register		
1 Programme Orientation and Course Introduction	09.00 – 10.00 a.m.	Opening Ceremony <b>Ep 1.1</b> : Course Introduction	Dr. Nawasit Rakbamrung Deputy Director of Academic Service Centre, BUU, Chonburi Province	Opening Ceremony : 1.Representative from TICA 2. Representative from BUU
	10.00 – 11.00 a.m.	<b>Ep 1.2</b> : Course Assignment & Evaluation		
	11.00 – 12.00 a.m.	<b>Ep 1.3</b> : Country Presentation & Overview of Tourism Sharing		
<b>Day 2 : Wednesday 8<sup>th</sup> June 2022 /08.30 a.m.– 12.00 a.m.</b>				
	08.30 – 09.00 a.m.	🔓 Room open to Join link & Register		
2 Policy and Measurement	09.00 – 10.00 a.m.	<b>Ep 2.1</b> Thailand Investment and Partnership - Investment Policies - Promotional Measure	Thailand Board of Investment (BOI)	<b>Moderator :</b> Dr. Nawasit Rakbamrung

Topic	Time/ Date (Thailand time GMT+7)	Content	Speaker	Remark
	10.00 – 11.00 a.m.	<b>Ep 2.2</b> Industry Development - Policies and driving measures - Ecosystem for investment & development in the industrial sector - Promoting & encouraging the industries, SMEs, ITC/TGI	Representative from Ministry of Industry	<b>Moderator :</b> Dr. Nawasit Rakbamrung
	11.00 – 12.00 a.m.	<b>Ep. 2.3</b> Sustainable Transport & logistic for Development - innovative policy - multi-stake holder partnerships for sustainable transport	Representative from Ministry of Transport	
<b>Day 3 : Friday 10<sup>th</sup> June 2022 /08.30 a.m.– 13.00 p.m.</b>				
	08.30 – 09.00 a.m.	☞ Room open to Join link & Register		
3 Infrastructure Development in Thailand	09.00 – 10.00 a.m.	<b>Ep 3.1</b> Eastern Economic Corridor (EEC) - Airport/High speed - train/Port/ - Double Track Rail lines - Digital Infrastructure - PPP	Representative from Eastern Economic Corridor Office	<b>Moderator :</b> Dr. Nawasit Rakbamrung
	10.00 – 11.00 a.m.	<b>Ep 3.2</b> Smart City	Representative from Smart Growth Thailand	

Topic	Time/ Date (Thailand time GMT+7)	Content	Speaker	Remark
	11.00 – 13.00 p.m.	<b>Ep 3.3</b> Seminar on Transportation & Logistic Development in Thailand	Representatives from 1. Deep Sea Port 2. Sky/Underground train 3. International Airport 4. Dr. Nawasit Rakbamrung	
<b>Day 4 : Monday 13<sup>th</sup> June 2022 /08.30 a.m.– 12.00 a.m.</b>				
	08.30 – 09.00 a.m.	☞ Room open to Join link & Register		
4 ◆ Innovation in Economic and Environmental Challenges	09.00 – 10.00 a.m.	<b>Ep 4.1</b> Using AI to Revolutionise Energy Conservation	Representative from Startup company	<b>Moderator :</b> Dr. Nawasit Rakbamrung
	10.00 – 11.00 a.m.	<b>Ep 4.2</b> - Research Development and Innovation Activities - BCG Economic model for Sustainable Development	Representative from Thailand Science park	
	11.00 – 12.00 a.m.	<b>Ep 4.3</b> Innovation for Economic, Social and SMEs	Representative from National Innovation Agency (Public Organization)	

Topic	Time/ Date (Thailand time GMT+7)	Content	Speaker	Remark
<b>Day 5 : Wednesday 15<sup>th</sup> June 2022 /08.30 a.m.– 12.00 a.m.</b>				
	08.30 – 09.00 a.m.	☞ Room open to Join link & Register		
5 ◆ Success Story	09.00 – 10.00 a.m.	<b>Ep 5.1</b> Entrepreneurs & Innovation Success Story 1	Representatives from Smart SMEs /Factory	<b>Moderator :</b> Dr. Nawasit Rakbamrung
	10.00 – 11.00 a.m.	<b>Ep 5.2</b> Entrepreneurs & Innovation Success Story 2	Representatives from Green & CSR Company	
	11.00 - 12.00 a.m.	Wrap up, Summary and Assignment	Dr. Nawasit Rakbamrung	
<b>Day 6 : Friday 17<sup>th</sup> June 2022 /08.30 a.m.– 12.00 a.m.</b>				
6 ◆ Sustainable Sufficiency Economy Philosophy Application in Community and Business	09.00 – 10.00 a.m.	Ep 5.1 Public sector	Representatives from Office of the Royal Development Projects Board (ORDPB)	<b>Moderator :</b> Dr. Nawasit Rakbamrung
	10.00 – 11.00 a.m.	Ep 5.2 Private sector	Representatives from company was selected to receive King/Her Royal Highness Princess Maha Chakri Sirindhorn trophy in success organization (SMEs) case who use SEP in their mission and culture company from ORDPB	
	11.00 – 12.00 a.m.	Ep 5.3 People sector	Representatives from community was selected to receive King /Her Royal	



Topic	Time/ Date (Thailand time GMT+7)	Content	Speaker	Remark
			Highness Princess Maha Chakri Sirindhorn trophy in success community case who use SEP in their way of life from ORDPB. Also won an award for "Local and Community Attractions" at the 2019 Thailand Tourism Awards	
<b>Day 7 : Monday 20<sup>th</sup> June 2022 /08.30 a.m.– 11.00 a.m.</b>				
	08.30 – 09.00 a.m.	🔗 Room open to Join link & Register		
7 ◆ Conclusion	09.00 – 11.00 a.m.	Post-test & Closing Ceremony of the Training Programme: 1. Individual Presentation 2. Concept Paper for further cooperation/projects 3. Post-test 4. Closing Ceremony	1. Representative from Eastern Economic Corridor Office 2. Assist.Prof.Dr.Sakchai Setranawat, BUU 3. Dr. Nawasit Rakbamrung, BUU 4. Ms.Buttri Dumrisathonlamark, BUU	

**Remark :** 1. Schedule subjects to change if applicable  
2. According to the Schedule, Live streaming on ZOOM Cloud Meetings at the local time in Thailand (GMT+7)