

Report

Policy Research Center
Research Project Accomplishment Report

Date: _____ 2021/2/1

Project Leader:	Title	Name
	Professor	Patarapong Intarakumnerd

Research Project Title: Technological Upgrading in Global Value Chains of Automobile Industry in Southeast Asia

Duration (yyyy/mm/dd): 2020/6/15 ~ 2021/3/31 1-year

Co-Investigator:	Title	Name	Affiliation	(Remarks)
Co-Investigator 1				
Co-Investigator 2				
Co-Investigator 3				
Co-Investigator 4				
Co-Investigator 5				

Project aims and goals:

Southeast Asia is now an important global production hub of automobile industry. Previous studies focus on individual countries in Southeast Asia without adequately examining relationship across these countries in regional and global value chains. This study tries to fill in the gap by investigating how these countries enter the value chains, whether and how they upgraded their positions in the value chains, and obstacles preventing them to further upgrade. Strategies and technological capabilities of transnational corporations and local firms, knowledge spillovers between them, and external environment, namely, government policies and market conditions, and introduction of new technologies will be examined. Analysis of longitudinal quantitative data and case studies of firms will be applied.

Accomplishment(s) of Project (400 words):

(*If the impact of COVID-19 makes it difficult to execute the plan, describe the reason here :)

The project lasts two years. In the first year, The focus is on the overall understanding of the global value chain of the automobile industry. A quantitative analysis was conducted on the overtime changes in proportion of domestic value added (DVA) and foreign value added (FVA) in the Southeast Asian countries' exports, as well as, RVCs and GVCs participation rate measured by the sum of foreign value added (backward linkage participation) in the Southeast Asian countries' exports, and contribution from Southeast Asian countries to other countries' exports (forward linkage participation). Two interviews were conducted at the headquarters of Japanese firms Nissan and Mitsubishi Motors to understand their strategies and rationales behind their decisions on investment and technological upgrading in countries in Southeast Asia. However, because of Covid 19, interviews of Japanese firms outside Tokyo, and firms in SE Asian countries will be carried out in second year (Fiscal Year 2021).

Accomplishments:

Please fill in [\[the list of Accomplishment\]](#)

Other things to report:

(Please include all items within one page.)

List of Accomplishment

List of Accomplishment
(including forthcoming)

(If the description exceeds five in each item, please add a line as necessary.)

Article

Academic papers (including those published in general journals)

*For collaboratively authored papers, please underline your name.

*Please report "Peer-reviewed academic conference papers" as well.

	Author	^{3 in total} Title	^{The number of referred article} Publisher	³ Vol/No /Chapt er/Sect ion	³ Date of Publications	Pages (from)	Pages (to)	Referee Report (yes=1)	¹ Internatio nal coauthors hip (yes=1)	DOI	¹ Open Access (yes=1)
1	Lee, K., Wong, C., <u>Intarakumnerd, P.</u> and Limapornvanich, C.	Is the Fourth Industrial Revolution a window of opportunity for upgrading or reinforcing the middle- income trap?	Asian Journal of Technology Innovation	23 (4)	Dec-20	408	- 425	1	1	10.108 0/1748 7870.2 019.15 65411	
2	<u>Intarakumnerd, P.</u> and Korwatanasakul, U.	Business Impacts and Government Support for Firms' Upgrading and Innovation under COVID- 19 in Southeast Asia	Journal of Science and Technology Policy	3(2)	Jan-21	21	- 53	1			1
3	Intarakumnerd, P.	Innovation and Technology Upgrading in Global and Regional Value Chains of the Thai Automotive Industry (a conference	Southeast Asian' Automotive Industry Conference organized by Institute for Southeast Asian Studies (ISEAS), Singapore		Nov-20			1			
4											
5											

Book

*For collaboratively edited or authored books, please underline your name.

*If you are an author of a chapter in a book, please report in "Article" category.

	Author	^{0 in total} Title	Publisher	Date of Publications	Total pages
1					
2					
3					
4					
5					

Verbal report / Conference presentation

*Here please report "Non-peer-reviewed academic conference papers".

*When you or co-investigator had a lecture/presentation as invitees, please specify "(invited lecture)" after
Event Title.

	Presenter	^{2 in total} Title	Event Title	Venue	Date
1	Intarakumnerd, P.	Technological Upgrading ASEAN's Automotive Industries in Global Value Chains	CICALICS Conference	Northeastern University, China	2020/8/30
2	Intarakumnerd, P.	Southeast Asia's Innovation Policy under the Covid 19	STEPI International Symposium 2020	Seoul, Korea	2020/12/4
3					
4					
5					