



Senior Security Studies Program

Group Presentation

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Group 3



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Big



Objective :

to develop a strategic plan for policy proposal on
“ Use of Artificial Intelligent (AI) for National Development of Thailand”





Assignment



From the advancements in emerging technology (Emerging Technology) , especially Artificial intelligence (AI), you should set a policy on AI to be used in national development by doing the following:

- Analyze the impact of AI in different dimensions within the context of STEEP-M to find opportunities (O) and challenges (C/T).
- Set strategic issues (Strategic Options) from the dimensions that the group has an opinion on. should be used to benefit Thailand
- Set case studies
- Take strategic issues into planning/making policy using the principles of From to Analysis: PPT (People-Process-Technology)
- Policy recommendations

1. Analyze the impact of AI in different dimensions within the context of STEEP-M to find opportunities					
S (Social)	T (Technology)	Econ (Economic)	En (Environment)	P (Politic)	M (Military)
<ul style="list-style-type: none"> • New (related to AI) career development (+) • Life stye change (+/-) • Universal access to AI application (-) • Capability to use AI (-) • Unemployment (replaced by robot) (-) • Risk of mis-and disinformation (-) • Privacy Concerns (-) 	<ul style="list-style-type: none"> • Data Collection and Analysis (+) • Database Management (+) • Big Data (+) • Innovation (+) • Cyber Threats (-) 	<ul style="list-style-type: none"> • Data Collection and Analysis (e.g. economic forecast, wealth distribution, market prediction) (+) • Database Management (+) • Big Data (+) 	<ul style="list-style-type: none"> • Data Collection and Analysis (e.g. economic forecast) (+) • Database Management (+) • Big Data (+) • Natural Resource Management (e.g. improve efficiency) (+) 	<ul style="list-style-type: none"> • Risk of mis-and disinformation (-) • Risk of AI sovereignty (-) • Decrease of Corruption (+) 	<ul style="list-style-type: none"> • Resource Management (+) • Risk Management (+) • High Technology Weapons (+/-)

2. Set strategic issues (Strategic Options) that should be used to benefit Thailand

Picture in the future			
O	Strategies to Shape the Future	T	Strategies to Avoid
<ul style="list-style-type: none">Life stye change (e.g. use of AI to support workforce in Aging society, New career development,)Capability to use AI (e.g. Productivity and Efficiency)	<ul style="list-style-type: none">Enhancement of access and use of AI to wider populationUse of AI to increase convenience, efficiency, and wellness (re-system)	<ul style="list-style-type: none">Life stye changeUniversal access to AI applicationCapability to use AIUnemployment (replaced by robot)Risk of mis-and disinformation	<ul style="list-style-type: none">Increase of social/generation gap due to AI penetrationUse of AI for illegal activitiesIncrease of unemployment



3. Case Study

To improve overall quality of life, e.g. work and travel, food delivery, data collection and analysis

4. Take strategic issues into planning/making policy using the principles of From to Analysis: PPT (People-Process-Technology)

Dimension	Strengths	Weaknesses	Solution
Strategy 3: Increasing human capability and improving AI education stakeholder : Ministry of Education and Ministry of Higher Education, Science, Research and Innovation			
People	1. New generation people have high awareness and embrace to use AI	1. Lack/ insufficient AI knowledge 2. Lack of AI Literacy 3. Older generation people don't have much awareness and embrace to use AI	1. Upskill-reskill of AI knowledge to personnel 2. Empowerment 3. Recruit of IT Talent
Process	1. Thailand has National AI Strategy 2. AI helps to Increase productivity 3. AI helps to reduce working hour 4. Universities are starting to create curriculum	1. Filter of data 2. Quality and Pattern of Data	1. Digitalization
Technology	1. Ease of access	1. Budget Allocation 2. Dependency on foreign technology import	1. Developing of Technology 2. Technology Transfer



5. Policy Recommendation

1. Apply AI in all sectors such as enhancement of access of AI to vulnerable group of people by setting up supporting group
2. Develop ecosystem to support use of AI such as self-reliance, legal framework, technology development (R&D), start-up building
3. Empowerment of human resource to AI
4. Recruit white collar to support AI, especially for highly skill workers