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# Southeast Asia Perspective – Trends and Future Prospects in Education

ADB Southeast Asia Regional Department

Ayako Inagaki

Director, Human and Social Development Division

Southeast Asia Department

ADB

# ADB Operations in Education in Southeast Asia

- ADB's Southeast Asia Regional Department supports seven developing member countries through sovereign lending and non-lending: Cambodia, Indonesia, Lao PDR, Philippines, Thailand, Timor-Leste, Viet Nam.
- Large share of lending in secondary education, skills development, and higher education.
- Expanding equitable access to quality education and skills development remains top priority. Policy and investment support in diverse areas:
  - a) Modernize school curriculum and university academic programs, STEM, R&D, learning methodologies and management systems, teacher professional development and career path, industry and knowledge partnerships
  - b) Education policy and strategy, governance
  - c) Education infrastructure and equipment, training, scholarships, diverse grants
- ADB provides a mix of policy-based loans, investment loans, results-based loans, transaction (project preparatory) technical assistance and knowledge support technical assistance.

# Active Loans and Technical Assistance in Southeast Asia's Education Sector

		Approval Year	Closing Year	Amount (\$M)
<b>Cambodia</b>				<b>182.92</b>
Loan 3167 (ADB)	Technical and Vocational Education and Training SDP	2014	2022	23.00
Loan 8305 (AFD)		2015	2023	15.00
Loan 3427	Upper Secondary Education SDP	2016	2022	30.00
Loan 3720	Second Upper Secondary Education SDP	2018	2025	35.00
Loan 3791	Skills for Competitiveness	2019	2025	60.00
Loan 8365 (AFD)		2019	2025	19.92
<b>Indonesia</b>				<b>779.47</b>
Loan 3749	Advanced Knowledge and Skills for Sustainable Growth Investment	2018	2024	200.00
Loan 4110	Higher Education for Technology and Innovation	2021	2027	79.47
Loan 4144	Boosting Productivity Through Human Capital Development Program (Subprogram 1)	2021	2022	500.00
<b>Lao People's Democratic Republic</b>				<b>104.92</b>
Loan 3435	Second Strengthening Higher Education	2016	2023	16.45
Grant 0500		2016	2023	23.47
Grant 0503	Second Strengthening Technical and Vocational Education and Training	2016	2022	25.00
Loan 3822	Education for Employment SDP	2019	2025	40.00
<b>Myanmar</b>				<b>98.49</b>
Loan 3472	Equipping Youth for Employment	2016	2023	98.49
<b>Philippines</b>				<b>1,211.28</b>
Loan 3790	Secondary Education Support Program	2019	2024	300.00
Loan 3930	Expanded Social Assistance	2020	2024	500.00
Loan 4089	Facilitating Youth School-to-Work Transition Program (Subprogram 3)	2021	2022	400.00
TA 6670	EdTech Solutions for Last Mile Schools on COVID-19	2020	2023	2.00
TA 9071	Secondary Education Support Program	2016	2022	3.28
TA 9079	Strengthening Social Protection, Education, and Health Reforms Facility	2016	2023	6.00
<b>Viet Nam</b>				<b>398.00</b>
Loan 2750/51	University of Science and Technology of Hanoi Development (New Model University) Proj	2011	2023	190.00
Loan 3201	Second Lower Secondary Education for the Most Disadvantaged Areas Project	2014	2023	80.00
Loan 3761	Skills and Knowledge for Inclusive Economic Growth Project	2018	2024	75.00
Grant 9199	Skills and Knowledge for Inclusive Economic Growth Project	2018	2023	3.00
Loan 3494	Second Secondary Education Sector Development Project	2016	2023	50.00
<b>Total Active Education Portfolio</b>				<b>2,775.08</b>

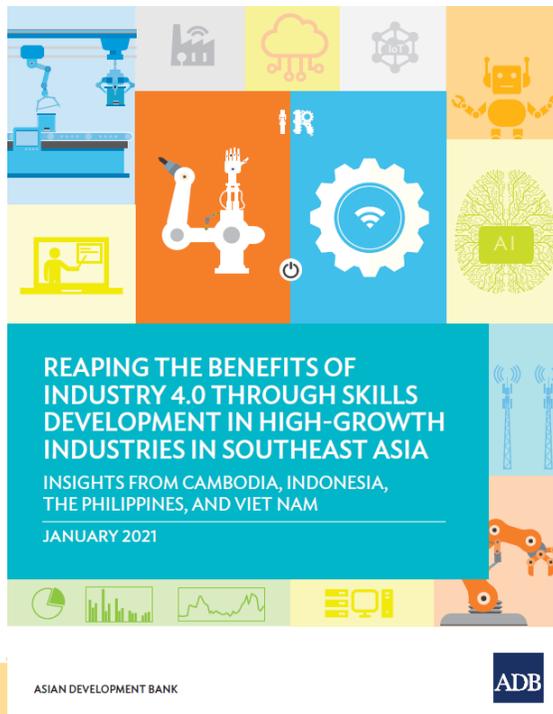
# Impact of Technology and the Pandemic

- Huge impact of new technology in the future of work, skills requirements, and education methods and practices. Education systems have been slow to adjust.
- The pandemic has forced schools and universities to adopt technology to mainstream distance learning in often unfavorable conditions.
- Increased demand to integrate innovative use of education technology to expand and improve learning: use of low technology in remote areas; curated marketplace for teacher professional development; and online higher education.
- Increased demand for policy and strategy support for workforce transformation and skills transition in anticipation of accelerated automation and change in the industry.

# Impact of Technology and the Pandemic – Projects

- Low-tech learning modules to last miles schools in the Philippines and impact evaluation
- Curated marketplace for teacher professional development in Indonesia
- Industry transformation maps, skills development road map, and skills development funds in Cambodia
- Advanced technical training in Viet Nam
- Support for skills transition in the automotive sector in Thailand
- Technology-Enabled Innovation in Education in Southeast Asia

# Impact of Technology and the Pandemic –Regional Knowledge Support



Technology-Enabled  
Innovation in Education in  
Southeast Asia

*A work in progress*

# Future Prospects

- Mainstreaming education technology in public education – balancing the need to expand quality education to all, and to customize learning to address diverse needs, including learning gaps and losses
- Focus on foundation skills, at the same time, more demand for higher education, including higher level TVET
- More demand for financing education – fiscal consolidation may be a challenge
- Increased trend in cross-sectoral support addressing nexus between education and public finance, health, social protection, industry development

# Future Prospects – 2022-2025 Pipeline

- Science and technology in secondary education, skills for future economy, higher education – Cambodia
- Research and innovation, science and technology parks, policy reforms for human capital development, civil service professional development, climate resilient social services – Indonesia
- Post-covid employment recovery, modernization of TVET system, conditional cash transfer, preparing youth for the digital economy – Philippines
- Higher education for accelerated development, skills and knowledge for inclusive economic growth – Viet Nam

# Global Action for Climate Mitigation and Adaptation

- Poor and vulnerable population will face disproportionate impact
- death, livelihoods disruption, damage to assets and well-being

Image Source: New York Times



Poverty: More than 100 million additional poor by 2030 due to climate change. (World Bank)

Image Source: NBC News



Health : By 2030, an additional 250,000 deaths per year will occur from heat exposure, undernutrition, malaria and diarrheal disease due to climate change (WHO). Additional cost of \$4-12 billion by 2030 (Ebi. 2008)

Source: Stockholm Environment Institute



Displacement: Over 143 million people could be forced to move within their own countries to escape the slow-onset impacts of climate change

# Future Prospects: Climate Actions in Education

## ➤ **Climate adaptation and resilience building in education**

- Climate curriculum for primary, secondary, and tertiary education
- Climate in teacher professional development
- Climate resilient physical facilities and infrastructure
- Curriculum development for green skills
- Disaster preparedness

## ➤ **Mitigation of climate change actions – Just Transition**

- Support education and skills growth in line with the transition to low carbon economy and diversification plan in key industries including securing quality jobs and livelihood for affected populations

Thank you.