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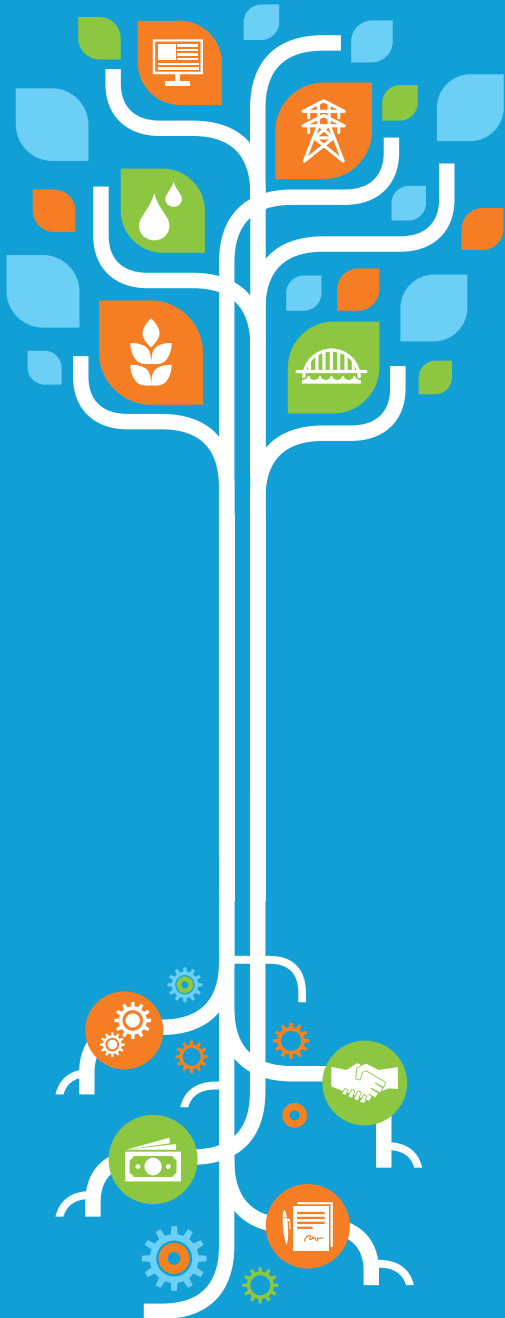
Germany Business Opportunities Seminar

ADB Support to Education and Training - *Ongoing and Emerging Priorities*

24 November 2021

Presented by
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Sustainable Development and Climate Change Department
Asian Development Bank

BUSINESS
OPPORTUNITIES 



Asia Pacific among Fastest Growing Regions

- Economies in Asia and the Pacific have witnessed robust pre-COVID-19 growth rates.
- Post-COVID-19, the region is projected to grow faster than global average in 2021 (6.9% compared to 5.2% globally- IMF)
- Human capital development at the heart of knowledge-based growth with emphasis on higher order talent, and skills
- As per a recent McKinsey report, investments in digital talent reskilling will be 2 of the 5 levers for recovery post-COVID-19
- Reimagining education and training in the wake of COVID-19

BUT

Many challenges to be addressed – slow pace of growth of high skills, digitalization, inequalities, and disparities

Key Challenges in the Education sector

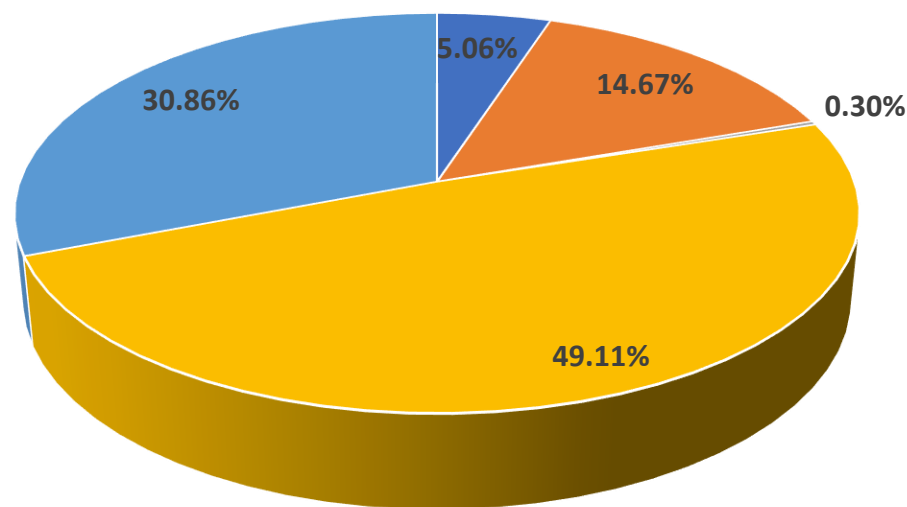
- ‘Learning crisis’: shortfall in foundational literacy and numeracy, despite tremendous progress in access
- Ineffective teacher practices; inadequate teacher capacities
- Slow pace of adoption of next gen curriculum and pedagogy
- Inadequate attention to soft skills, digital skills, and higher skills
- Mismatch between training institutions and employers on skills
- Lack of adoption of disruptive technologies in public education to improve learning and employability

BUT

- **Governments addressing learning quality with equity**
- **COVID-19 spurring adoption of new technologies for learning**

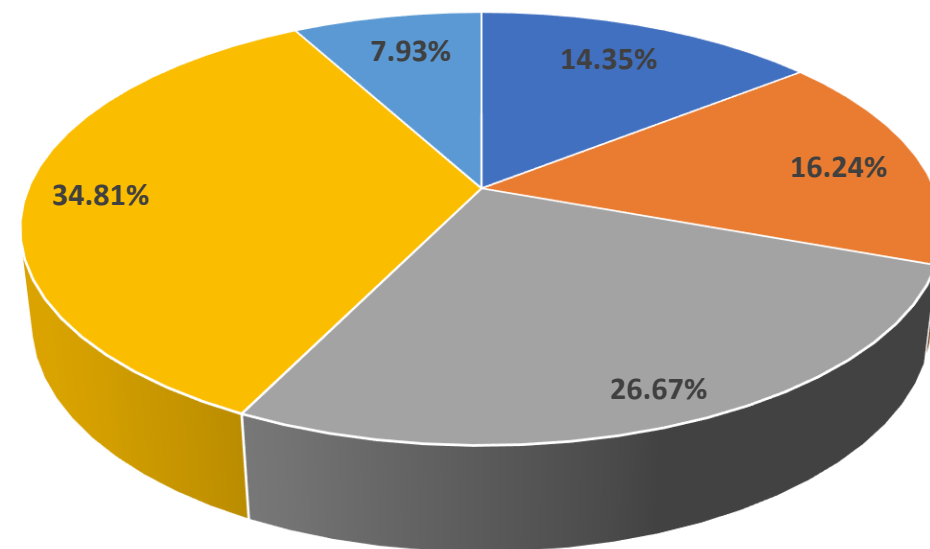
Education Sector Ongoing Lending and Grants Projects

By Region
\$4.366 billion



■ Central and West Asia ■ East Asia ■ Pacific Asia ■ South Asia ■ Southeast Asia

By Subsector
\$4.366 billion

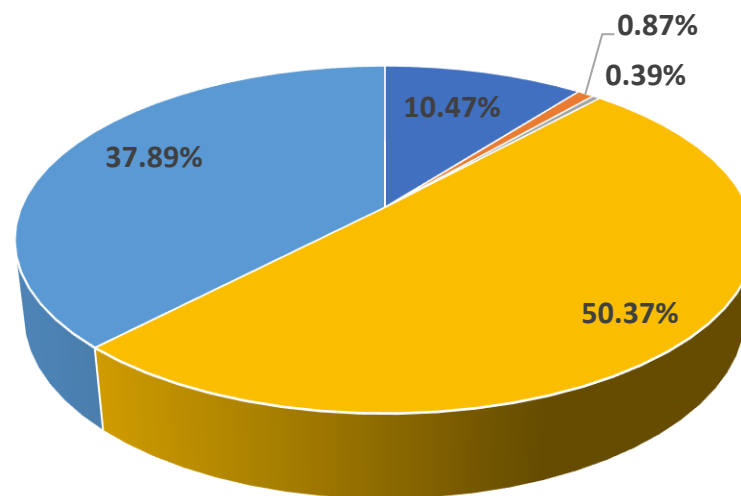


■ Education Sector Development ■ Pre-primary and primary
■ Secondary ■ TVET
■ Tertiary

Education Sector Lending and Grants Pipeline 2021–2023

By Region

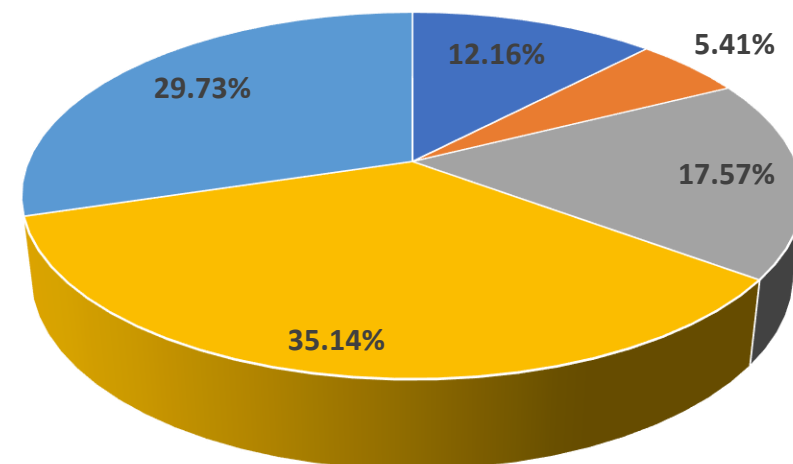
\$4.6 billion



■ Central and West Asia ■ East Asia ■ Pacific
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By Subsector

\$4.6 billion



■ Education Sector Development ■ Pre-primary and primary ■ Secondary ■ TVET ■ Tertiary

Consulting Business Opportunities in ADB Education Sector Programs

- **Design phase:** diagnostic studies, costing, economic analysis, market scoping, environmental and social safeguards, and assessment of climate change mitigation and adaptation
- **Implementation phase:** technical support to quality improvement and management areas – teacher professional development, curriculum, and training
- **Monitoring and evaluation:** annual fiduciary reviews, independent verification of achievement of results for results-based loans, tracer studies in TVET and higher education, impact assessment research, and evaluation studies.

■ **INDIVIDUAL EXPERTS AND CONSULTING FIRMS**

Areas for Technical Support in Demand from Partner Countries

- Developing member countries (DMCs) are looking for finance++ partnerships
- Knowledge solutions are increasingly critical to successful design and implementation of programs
- Innovative approaches and new operating modalities are called for to help DMCs keep pace with global trends
- Sharing of global experiences and practices and concrete working models with demonstrated results are sought by DMCs
- High-quality analytics in planning, design, and implementation are needed for value addition in ADB programs and projects

Key Areas for Technical Consulting

K-12

- STEM and improving science
- Creativity, problem solving, soft skills
- Student learning assessment
- New pedagogies; teacher training
- Coding, digital skills
- Online learning with instructional design
- Learning management system

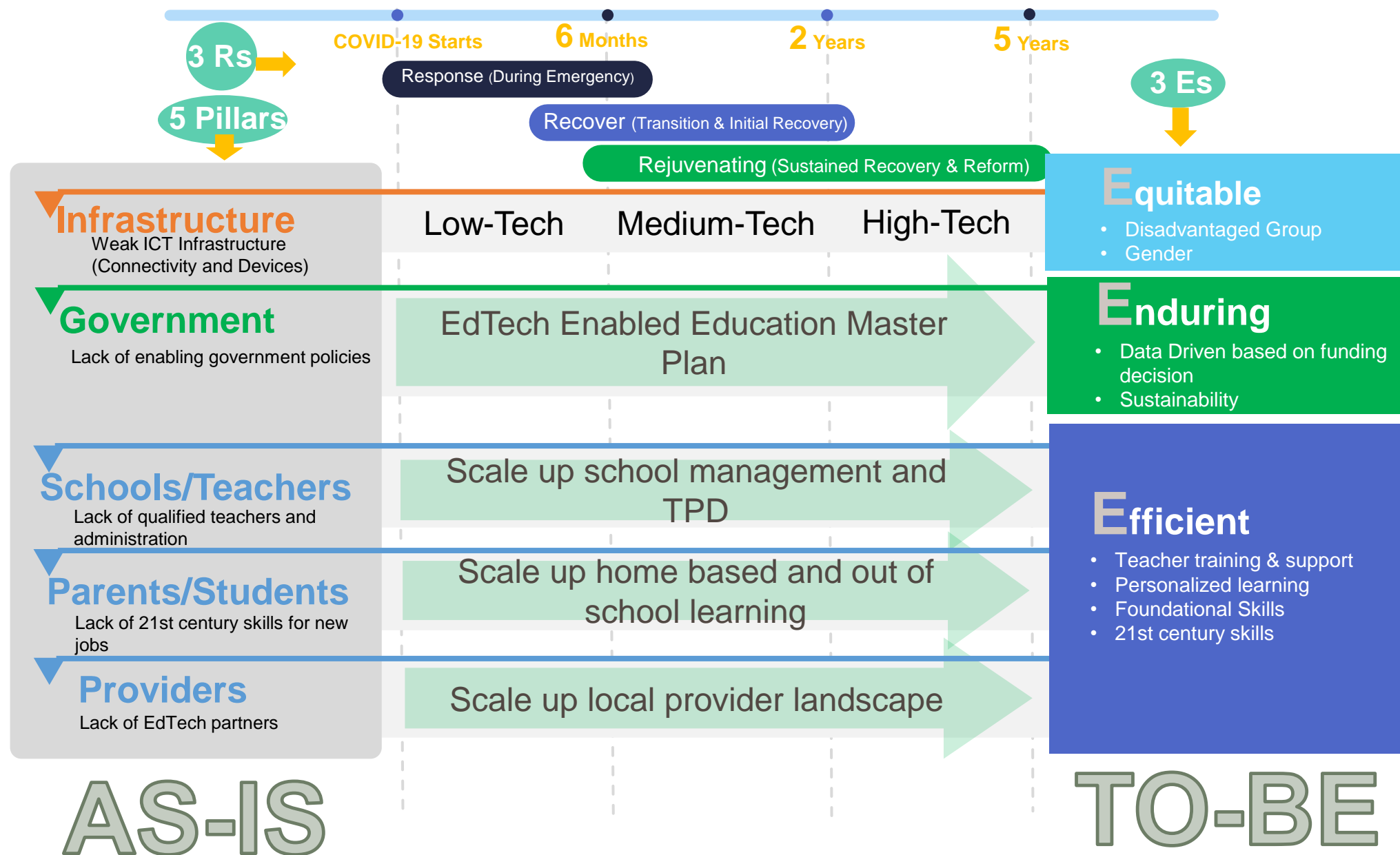
TVET

- Skills for fourth industrial revolution
- Skills for climate resilient and green occupations
- Skills for health workforce, aging population and care economy
- Skills for hi-tech agriculture
- Advanced skills (tertiary)
- Skills University
- Real time job market forecasting
- AI-based job matching platforms

Higher education

- Research, innovation, start-up ecosystems
- Higher order digital talent
- Advanced skills in science and new technologies
- Digital credentials, blockchain for qualifications
- Corporate research partnerships
- Accelerators and incubators and entrepreneurship

Ecosystem Approach to EdTech



New Modalities for Technical Collaboration

ADB seeks to explore new opportunities in operations:

- Rethinking capacity building
- Going beyond consulting to partnerships and long-term institutional twinning
- Enabling exchange programs for faculty, students
- Promoting collaborative research practice and innovation
- Amplifying Peer-to-Peer knowledge transfer and sharing global best practices
- Establishing professional networks and promoting regional resource centers of excellence and 'lighthouse' institutions
- Enabling institutional partnerships for teacher training, student assessments, and research collaboration

Strategy 2030, Operational Priorities, and COVID-19 Recovery

ADB seeks to explore opportunities in knowledge work:

- Multi-sectoral approaches for development impact
 - Skills for infrastructure leading to quality jobs (energy, transport)
 - Skills for climate resilient development processes
 - Education, skills and talent pipeline for smart cities
 - Training for hi-tech agriculture
- OP 1: address remaining poverty and reduce inequalities
 - Intersection of education, health, and social protection
 - Human capital, protection for all, generate quality jobs, and reduce inequality in opportunities
- Post-COVID-19 actions
 - ADB guidance note on response, recovery, and rejuvenation
 - New departures and re-imagining education delivery

German Expertise and Collaboration

Germany and Global practices in

- TVET and higher education including research and development, university-TVET-industry linkages
- Work-based training and private sector-led workforce development
- Digital transformation and green recovery
- New departures in well-known equity aspects such as girls, disadvantaged youth, and students with disability

Amplifying ADB-Germany Technical Partnerships for Education

Build for Skills

- Including TVET in infrastructure projects
- IR4.0 and advance manufacturing

Develop new domains for technical assistance

- Smart Cities and Education (e.g., Smart City Academy) – build education and training into smart city collaboration
- Climate Change and Education
- Clean Energy and Sustainability Schools in Higher Education

Examples of Innovative Approaches

Higher Education Projects

BAN: Digital University
INO: Higher Education for Technology and Innovation
MON: Research Universities
VIE: Medical Schools

CAM: STEM Program
SOL: Education Sector Project
SRI: Secondary Education
UZB: Secondary Education STEM
PRC: Early Childhood Education

K12 Projects

TVET Projects

PHI: Innovation Learning Centers
IND: Assam Skill University
PNG: Improved TVET for Employment
TAJ: Skills for Migrant Workers

BAN: Advanced Agriculture Univ
PRC: Shanxi Changzhi Green Industrial Transformation and Human Capital Development Project
PHI: Facilitating Youth School to Work Transition

Cross-Sectoral Projects

ADB TO PROVIDE 'THOUGHT LEADERSHIP' IN FUTURISTIC DESIGN

APPENDICES

List of Pipeline Projects 2021–2023

| 2021 Approval Pipeline | | ADB Financing |
|------------------------------------|---|---------------|
| South Asia Regional Department | | |
| India | Accelerating State Education Program to Improve Results (ASPIRE) (with piggybacked TA) | 300.0 |
| India | Assam Skill University Project (with piggybacked TA) | 112.0 |
| Southeast Asia Regional Department | | |
| Indonesia | Higher Education for Technology and Innovation | 79.48 |
| Indonesia | Boosting Productivity and Human Capital Program, SP1 | 500.0 |
| | Total 2021 | 991.48 |

List of Pipeline Projects 2021–2023

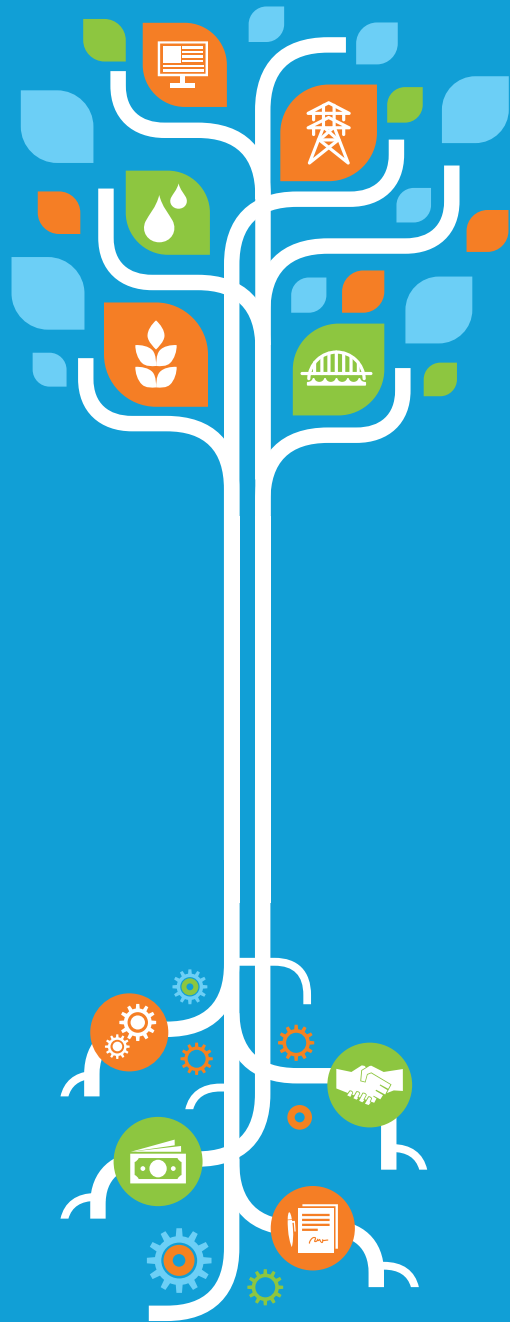
| 2022 Approval Pipeline | | ADB Financing |
|--|--|----------------|
| Central and West Asia Regional Department | | |
| Pakistan | Improving Workforce Readiness in Punjab Project | 100.0 |
| Kyrgyz Republic | School Education Reform Sector Development Program | 35.0 |
| Azerbaijan | Modernizing Vocational Education Sector Development Program | 75.0 |
| East Asia Regional Department | | |
| Mongolia | Research University Sector Development Project | 30.0 |
| Mongolia | Sustaining Access to and Quality of Education During Economic Difficulties Project (additional financing) | 10.0 |
| Pacific Department | | |
| Solomon Islands | Secondary Education Project | 10.0 |
| South Asia Regional Department | | |
| Bangladesh | Improving Computer and Software Engineering Tertiary Education Project | 100.0 |
| Bangladesh | Education Sector Development Preparatory Facility (PRF) | 15.0 |
| Nepal | Second Supporting School Sector Development Plan | 100.0 |
| Bangladesh | Strengthening Agricultural Tertiary Education Project | 150.0 |
| India | State Skills Development Project | 100.0 |
| Bangladesh | Second Skills for Employment Project (Phase 1) | 300.0 |
| Nepal | Improved Access to Skills for Productive Employment Project | 70.0 |
| Sri Lanka | Second Skills Enhancement Program | 200.0 |
| Bhutan | Pathways for Innovation and Technical Education Project | 30.0 |
| Bangladesh | TVET Teachers for the Future | 300.0 |
| Southeast Asia Regional Department | | |
| Indonesia | Promoting Research and Innovation through Modernization and Enhancement of Science and Technology Park (formerly Higher Education for Technology and Innovation Project Phase 2) | 198.0 |
| Philippines | Integrating Innovation System in Philippine Technical and Vocational Education and Training (might be advanced to 2021) | 100.0 |
| Cambodia | Skills for Future Economy Investment Program, PFR 1 | 80.0 |
| Cambodia | Science and Technology Project in Upper Secondary Education | 80.0 |
| Total 2022 | | 2,083.0 |

List of Pipeline Projects 2021–2023

| 2023 Approval Pipeline | | ADB Financing |
|--|---|----------------|
| Central and West Asia Regional Department | | |
| Tajikistan | Improving Science, Technology, Engineering, Mathematics Education Project | 20.0 |
| Pakistan | Punjab Education Sector Development Program | 50.0 |
| Georgia | Improving Learning Outcomes in General Education | 150.0 |
| Uzbekistan | Secondary Education Investment in STEM Project | 50.0 |
| Pacific Department | | |
| Vanuatu | Education Sector Project | 8.00 |
| South Asia Regional Department | | |
| Sri Lanka | Innovation and R&D Capacity Development Project | 100.0 |
| India | Meghalaya Human Capital Development Project (Phase 2) | 80.0 |
| Nepal | Support for Devolved Education Project: Making Schools Work | 50.0 |
| Maldives | Social Sector Development Project | 22.8 |
| Bhutan | Strengthening Institutional Capacity for Innovation and Digital Transformation (TVET) | 30.0 |
| Sri Lanka | Additional Financing of Science and Technology Human Resource Development Project | 150.0 |
| Bangladesh | Innovations in Tertiary Education for Competitiveness (Garments and Textiles) Project | 100.0 |
| Southeast Asia Regional Department | | |
| Indonesia | Boosting Productivity and Human Capital Program, SP2 | 500.0 |
| Indonesia | Improving Professional Veterinary Education | 200.0 |
| Total 2023 | | 1,510.8 |

Key Contacts for the Education Team

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Thank you!

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