Smart Education
Policies and Strategies

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Collaboration

A multi-stakeholder project
Context: drivers of policy

- COVID-19 challenges
- Systemic inequalities
- Emerging technological trends
- EdTech global market
- Cyber security and ethical challenges
Case Studies
China Smart Education Pilot

- Educational governance
- Digital literacy
- Innovative teaching methods and strategies
- Open educational resources
- Precise assessment
- Personalized and on-demand service
- Smart education pilot zone
AI Strategy: India

AI4ALL

- Safety and reliability
- Equality
- Inclusivity and non-discrimination
- Privacy and security
- Transparency
- Protection and reinforcement of positive human values
- Accountability
Singapore: National AI Strategy
South Korea AI Strategy

AI basics and AI mathematics in the K–12 curriculum

• AI-based mathematics learning: Grades 1 and 2
• Playful number games to keep young students focused on learning.
• AI Basics and AI Mathematics as elective subjects in high schools
Strategies/policies focus on

- Providing digital/AI literacy at all levels
- Building the capacity of teachers
- Equity and inclusion
- Promoting innovation
Smart Education Policy Framework
Smart Education Policy Themes

- Infrastructure
- Curriculum and Pedagogy
- Digital Education Resources
- Skills and Competencies
- Governance
- Management and Administration
Policy Theme 1: Infrastructure

• Sustainable **energy/power** solutions for all;
• Affordable **connectivity**;
• **Technical support**, upgrades and maintenance;
• Promoting **responsible, safe use** of digital infrastructure to support learning.
Policy Theme 2: Curriculum and pedagogy

- Shift towards competency-based curricula
- Lifelong learning
- Personalisation
- New assessment techniques
Policy Theme 3: Digital Education Resources

- Open educational resources and practices
- Learning management systems and digital platforms for education
- Promoting local language content
Policy Theme 4: Skills and competencies

- Teachers’ capacities
- Digital Education Skills for learners
- Focus on STEM, especially for girls
- Micro-credentials
Policy Theme 5: Governance

- Cybersecurity
- Personal data protection
- Funding models
Policy Theme 6: Administration and management

- Big data for decision making
- Quality assurance
- Planning, implementation and monitoring
Implementing Smart Education

Template for Policy Development

Monitoring and Evaluation framework

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Thank you