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9th International Skills Forum Reimagining Education and Skills Development for a New Normal

23 August 2021 • 1–5 p.m. (Manila time)
24 to 27 August 2021 • 2–6 p.m. (Manila time)

Digital Education Readiness Index Toolkit and Framework

- Ecosystem approach to education technology adoptions

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Lesson learned on real life technology interventions

Interactive Whiteboards Project



1. Rolled out to 30% of schools in the country
2. One year later, most of the white boards installed were either rarely used or already broken with no repairs

1 Infrastructure

Internet connectivity – classrooms where whiteboard are installed don't have connectivity
ICT devices/hardware – whiteboards 10 time more costly than comparable devices
Power/electricity – Classrooms no stable electricity and power supply

2 Government/Policy

Funding/Policy – No maintenance and support budget
M & E – No tracking on how many white boards used by how many teachers
Contents – No supporting contents with delivery

3 Schools/Teachers

Teacher Training – Teachers are not trained to be comfortable using
– No corresponding teacher guides

4 Students/Parents

Student Training – Students are not trained for To-Dos and Not-To-Dos
– Many white boards are broken by students

5 Service providers

Support & Service Partners – Availability and Proximity of support, repairs, replacements
– Integration with other systems and contents

Lesson learned on real life technology interventions

Digital Content Portal Project



- A. Content loaded on national repository
- B. Multimedia consisting of e-books, videos, audio clips
- C. Maintenance of the platform shows various issues -broken links, lack of metrics, poor quality & poor organization of materials

1 Infrastructure

Internet connectivity – Large video files demand for connectivity and data consumption
ICT devices/hardware – Demands bigger screen devices, not smart phone friendly

2 Government/Policy

Funding/Policy – No budget to upgrade the contents and platforms
M & E – No tracking on content access by students
Contents – Not linked with curriculum and assessments

3 Schools/Teachers

Teacher Training – Teachers are not trained to use and create customized digital contents

4 Students/Parents

Student Access – Student Login and usage are not tracked

5 Service providers

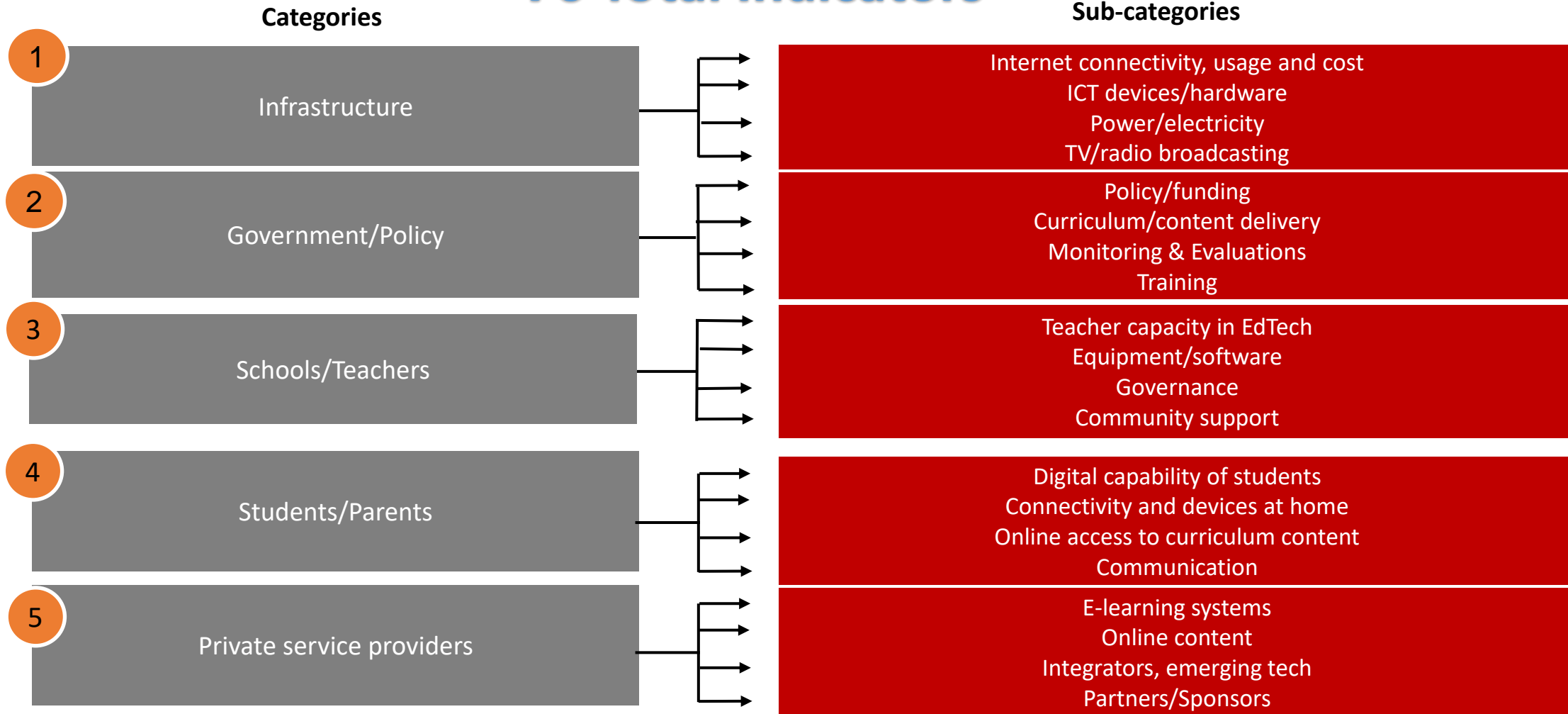
Support & Service Partners – Liaised with single provider for centralized content creation
– no Integration with other systems and contents

ADB DERI (Digital Education Readiness Index) Toolkit & Framework

Ecosystem Approach with Digital Transformation of Education



76 Total Indicators



New Interactive Classrooms – Low Tech Approach

In-class student learning outcome data with a simple smartphone used in over 100 countries



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<https://blog.cdn.net/011733418>

Cost Effective Formative Assessment

In-class student learning outcome data with a 5-dollar clicker assigned to each student –
Speech recognition empowered - Used with over 10 million students in China



Thank you