



ICT in Bhutanese Education System



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TOPICS



- ICT in Bhutanese Education System
- iSherig – Education ICT master plan





ICT in Bhutanese Education



- Before 2000
 - Followed Indian Certificate School Examination Computer application Syllabus in few Higher Secondary School
 - All high schools had computer in the office
- 2000 – computer to school project initiated
- 2000 - Post Graduate Certificate for Teaching Information System for teachers introduced in Sherubtse College
- By 2002 –
 - 8 high schools had computer lab
 - Bhutan Board of Examination – computer subject piloted in 8 high schools.





ICT in Bhutanese Education



- 2009 – 200 nos of \$100 XO laptops distributed to 21 Primary schools
- 2009 – Weaving Infotech Resources with Education (WIRED) project implemented in 5 schools.
- 2010 – 300 Class mate PC distributed to 15 Primary Schools
- 2011 – Chiphen Rigphel Project started – Computer literacy
 - Trained more than 5000 teachers on basic ICT skills
 - Course on IT literacy introduced from classes VII-XII
- 2014 – iSchool project initiated in 6 Secondary Schools





ICT in Bhutanese Education



- 2015 – piloted MathCloud in 4 schools and extended to 8 in 2016
- 2015 – e-Library

Online Systems

- Education Information Management System (EMIS)
- School Performance Management System
- Online application for scholarship





ICT infrastructure

Type	schools	Computer labs	Internet connectivity
HSS (up to XII)	40	40	40
MSS (up to X)	69	69	68
LSS (up to VIII)	69	66	55
PS (up to VI)	311	3	18
	489	181	181

Internet connectivity – Leased-line of 1mbps



Education Sector ICT Master Plan



iSheriq



Purpose of iSherig



- Harness the power of ICT as an enabling tool in teaching and learning
- Rationalize and streamline ICT activities, systems and projects under MoE and across education sector





VISION

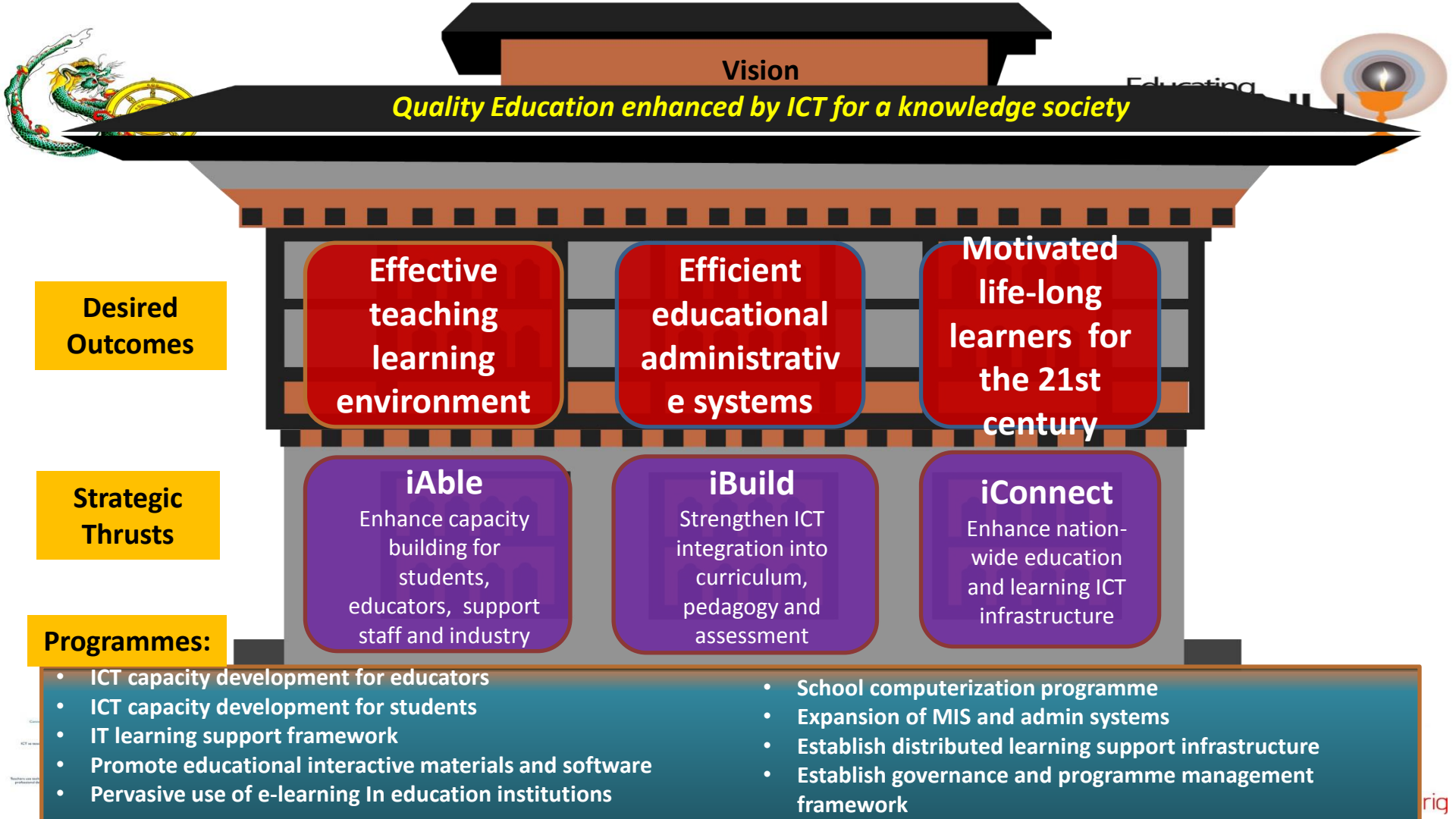
Bhutan's ICT Vision

“An ICT-enabled, knowledge-based society as a foundation for GNH”

iSherig's Vision

“Quality Education Enhanced by ICT for a knowledge society”







EXPECTED OUTCOME by 2018



- 100% of students from class IV and above trained in ICT
- 100% teachers equipped to use ICT for teaching
- 100% of ICT lab-assistants trained
- 15% of lesson taught in the schools facilitated by use of ICT





Contd.....



- Digitalized text books enriched with interactive learning content for at least 3 subjects made available
- Computer - student ratio
 - Primary schools 1:30
 - Secondary School 1:10
- All schools connected to internet





Challenges



- **Trained IT lab assistants.**
- **ICT skills of teachers.**
- **ICT infrastructure.**
- **Internet connectivity.**
- **Digital divide.**
- **Access to software and education content.**





KADRINCHELA

Thank You

