

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







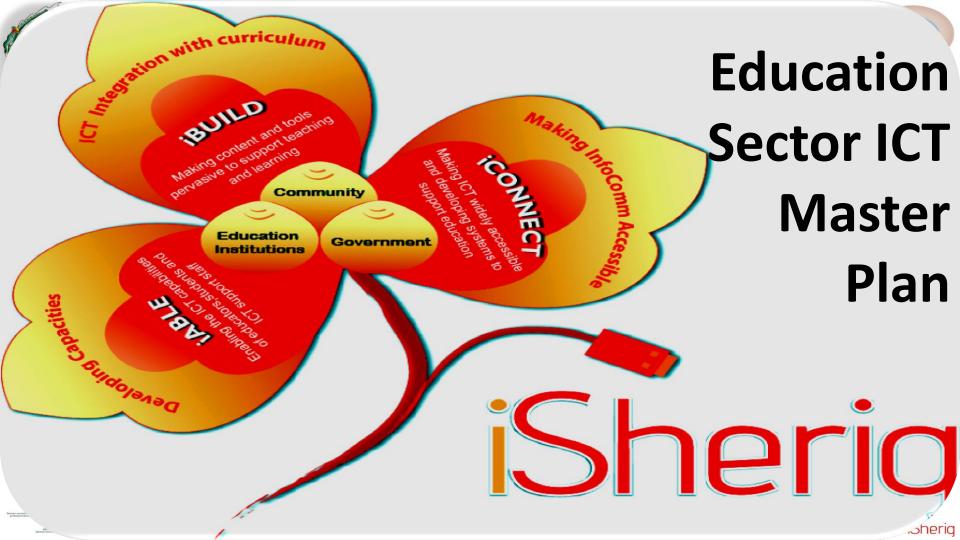
ICT infrastructure



Туре	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









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"







Vision

Quality Education enhanced by ICT for a knowledge society



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Desired Outcomes

Strategic Thrusts

Programmes:

- ICT capacity development for educators
- **ICT** capacity development for students
- IT learning support framework
- Promote educational interactive materials and software
- Pervasive use of e-learning In education institutions

Effective teaching learning environment

iAble

Enhance capacity

building for

students,

educators, support

staff and industry

Efficient educational administrativ e systems

iBuild

Strengthen ICT integration into curriculum, pedagogy and assessment

iConnect

Motivated

life-long

learners for

the 21st

century

Enhance nationwide education and learning ICT infrastructure

- School computerization programme
- **Expansion of MIS and admin systems**
- Establish distributed learning support infrastructure
- Establish governance and programme management framework



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.









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