Challenges in Quality: Teacher Development
Quality of Education depends largely on Quality of Teachers.
Top School Success

1. Getting the right people to become teachers
2. Develop students with effective teachers
3. Students with high performance teachers will progress 3 times faster than students with low performance teachers, especially primary level
4. Ensure system to deliver best possible instruction

Mckenzie report 2007
Report to ADB, Robert Cozma 2005
Approaches to Teaching & Learning

- Teacher-centered
  - “Do as you told”

- Students-centered
  - “Explore and create”
Skills for the 21st Century

- Information Literacy skill
- Communication skill
- ICT skill
- Inquiry skill
- Problem solving skill
- Critical thinking skill
- Creativity and intellectual curiosity
- Systematic thinking
- Collaboration skill
- Interpersonal skill
- Social responsibility
- Accountability
How we address the challenges

- In-service Teacher Professional Development
- Pre-service teacher preparation
Examples of approaches
Experiences from Princess Sirindhorn IT Project

- School-based training
- Focus on integration method not technology skill
- Provide training on lesson plan development, using ICT as tool
- Regularly monitor teachers and visit schools
Why School-Based Approach?

- Effective psychological approach
- Sustainability
- Make use of computer facilities
- Hardware/Software familiarity
Pedagogy-Integration

- Understand teachers’ technical background
- Small size of class
- Clearly-designed manual
- Relate to their environment
- Point out the shifting role
- One computer/teacher
- Peer Coaching
- Encourage sharing of ideas and discussion
Advantage

- Build up teachers’ awareness
- Able to provide immediate feedback
- Receives teachers’ cooperation and commitment
- Opportunities to share ideas
Disadvantage

- Timely
- Can only train small numbers at a time
Experiences from Asia & Pacific Perspective: UNESCO

- The “NEXT Generation of Teachers” Project
- Focus on Pre-service teachers
- Assist Teacher Education Institutions to prepare the next generation of teachers
- Enhance the competency of teachers
- Partnership with Private company
Road Map

- Instructors' Capacity
- E-readiness
- Leadership
- Curriculum

Current situation

Where we are going
- International standard
- Local needs
- National standards
- Individual needs of students

Leadership Capacity

Curriculum
ICT-Pedagogy for Students-Centered Approach

- Inquiry-based learning
- Problem-based learning
- Project-based learning
- simulation-based learning
- Resource-based learning
ICT Use

1. **Product tool**
   - Basic computer operation
   - WP, DB, SS, Graphics applications

2. **Communication tool**
   - E-mail
   - Internet

3. **ICT integration**
   - Use in teaching
   - Use for planning
   - Assessment
   - Other professional use of ICT
Teacher’s Role & Skills

- Understanding of students center concept
- As a facilitator
- As a learner
- No need to be an ICT expert
- Have skill in ICT-based lesson plan development
- Have skill in classroom management
Lessons Learned

- ICT readiness of the country
- Policy support
- Leadership of the principals
- Teachers’ attitude and willingness to change
- Teacher’s commitment
- Need adequate resources
Recommended Resources

- International Society for Technology in Education  [www.iste.org](http://www.iste.org)

- [www.seameo.org](http://www.seameo.org)
  - Capacity building for teachers in SE Asia