Innovative Center for Blended Learning
4 TVET @ CPSC

Prof. Shyamal Majumdar, Ph.D.
Director General, CPSC
Discussion Points

Part 1. Brief Introduction of CPSC

Part 2. Blended Learning @ CPSC

Part 3. Opportunities for Partnership
Part 1

Brief Introduction of CPSC
What is CPSC?

It is an Inter-Governmental Organization for quality improvement of Technical and Vocational Education and Training (TVET) in Asia and the Pacific region based on South-South Cooperation.
Who are our Members?
What we do?

- Conduct Capacity Building programs in TVET;
- Organize Consultancy projects;
- Conduct Research activities;
- Act as TVET Clearing House in the region;
- Publish Print/Non-Print Instructional resources;
- Strengthen Policy Advocacies with MCs;
- Provide Regional Accreditation services
What are our core competencies?

- Training and Development
- Institutional Development
- ICT Skills Development
- Curriculum Design and Development
- Learning Resources Development
- Accreditation and Certification
- Policy Advisory Services
- Professional Expertise
What are our priorities in T&D?

- Increasing Access
- Improving Quality
- Enhancing Interactivity
- Providing Flexibility

Using Innovative Blended Learning Through ICT
Part 2

Blended Learning @ CPSC
**PHASE 1**

1. Establishment of Blended Learning Center
   - 64 TVET courses online for Blended Learning
   - Introduction of Mobile Server
   - Design & Develop customized LMS system

**PHASE 2**

2. Upgraded 2 Wireless & Flexible Learning Environment
   - Provide Seamless and Multi modal Virtual Learning

**PHASE 3**

3. Establishment of Asia Pacific Tele-Education Network
   - Internet based Synchronous & Asynchronous Learning Network
## Blended Learning?

<table>
<thead>
<tr>
<th>% Content Delivered Online</th>
<th>Type of Courses</th>
<th>Typical Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0%</td>
<td>Traditional</td>
<td>Course with no online component</td>
</tr>
<tr>
<td>1 to 29%</td>
<td>Web Facilitated</td>
<td>Web-based technology to facilitate F/F course in Educational Management.</td>
</tr>
<tr>
<td>30 to 79%</td>
<td>Blended/Hybrid</td>
<td>Course that blends online and face-to-face delivery</td>
</tr>
<tr>
<td>80+ %</td>
<td>Online or eLearning</td>
<td>Courses Delivered Online</td>
</tr>
</tbody>
</table>
Net Learning Component

Web/ CBT
Courseware: Simulation, Animation, Multimedia

Asynchronous Conferencing
Notes, Forums, Listservs, Newsgroups

Synchronous
Video, Audio

50 % Self-learning

On-Line Materials
Reading, Browsing, Test taking

50 % Learning w/ others
Basic Components of LMS

- Introduction
- Courseware and Web Documents
- LOD/VOD
- Login/Logout
- Assignment Board
- Question and Answer Board
- Online Examination
- Online Guideline
- Online Evaluation

e-Teaching and Learning System
<table>
<thead>
<tr>
<th>Components</th>
<th>Tools</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Website design</td>
<td>Adobe Photoshop &amp; Adobe Illustrator</td>
<td>Website layout</td>
</tr>
<tr>
<td>Web documents:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>● Instructional Materials</td>
<td>Namo WebEditor</td>
<td>Editing web document</td>
</tr>
<tr>
<td>● Online Guideline</td>
<td></td>
<td></td>
</tr>
<tr>
<td>● Introduction</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VOD/LOD</td>
<td>CBI Tool</td>
<td>Recording lecture</td>
</tr>
<tr>
<td></td>
<td>Adobe Premier</td>
<td>Editing Video</td>
</tr>
<tr>
<td>Login/Logout</td>
<td>PHP, Mysql and others</td>
<td>Linux system</td>
</tr>
<tr>
<td>e-Board systems:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>● Assignment</td>
<td></td>
<td></td>
</tr>
<tr>
<td>● Question and Answer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Online examination</td>
<td>PHP, Mysql and others</td>
<td>Linux system</td>
</tr>
<tr>
<td>Online evaluation</td>
<td>PHP, Mysql and others</td>
<td>Linux system</td>
</tr>
</tbody>
</table>
Establishment of Asia Pacific Tele-Education Network

INTERNATIONAL TRAINING HUB (CPSC)

CONCEPTUAL DIAGRAM

INTERNET

Dialup Modems

Router

Firewall Server

SW-HUB

Remote Access Server

CSU/DSU Gateway

Network Server

Web Server

DB Server

VOD Server

30 x 2 Clients

NATIONAL(SRILANKA)

25 Clients

NATIONAL(PNG)

25 Clients

Network Server

25 Clients

Router

Firewall Server

CSU/DSU Gateway

Remote Access Server

Dialup Modems

Leased Line Connectivity with High Speed
Part 3

Opportunities 4 partnership
Partnership and Networking

- Technical Cooperation & Exchange
- Research & Development
- Innovative Curriculum Development
- Hardware and Software Infrastructure
- Courseware Database

Using Public and Private Partnership Model
“If education is the key to any successful development strategy, **Technical and Vocational Education and Training** is the MASTER KEY that can unlock the doors to poverty alleviation, to improving the quality of life and to transforming the world of work and industry.”
Thank you for your attention!