UNESCO Experts Meeting for Fostering Digital Citizenship through safe and responsible use of ICT

APEC Training Program for Preventive Education on ICT Misuse

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History of project

» In 2008
- Development of the educational materials, ICT Post competition

» In 2009
- Project approved from TELWG & HRDWG of APEC
- International Symposium on Safe and Trusted Use of ICT/Internet
- Training Pilot Run in the Philippines

» In 2010
- Training Pilot Run in Indonesia
- Cyber Security Awareness Raising Poster Exhibition

» In 2011
- Training Pilot Run in Thailand
- Training Pilot Run in Malaysia

» In 2012
- Training Pilot Run in Viet Nam

» In 2013
- Wrap-up workshop
- White Paper Publishing
- The 2nd Phase of project approved from TEWLG of APEC
- Training run in Indonesia IAC
“APEC Training Program for Preventive Education on ICT Misuse”

**International Org.**
- APEC TEL WG
- APEC HRD WG
- APEC Education Foundation

**ROK’s Government**
- KCC, MSIP
- KISA, NIA

**Private Sector’s CSR**
- KT Cultural Foundation
- KT (Telecommunication company)

**R&HRD Hub**
- APWINC
- CAID

**Financial Support**
- Official Approval
- Commitment
- Financial Support + Diplomatic Channel to IO
What brought ‘APEC Training Program for Preventive Education on ICT Misuse’?

Why did you need that project?

It was originated from some problems in Korea society in 2000s. And the project’s evolution was just problem solving process.
Problem 1 occurred

» Key Words for Social Background in Korea in 2007:
  IT Korea, Digital Society, e-learning, ICT development,
  Multimedia education, e-government, e-sports...

» Social Phenomena:
In the change of social paradigm from ICT development,
still ICT use was strongly encouraged, but bad side effects
already occurred with lack of awareness on ICT misuse.
APEC Education Foundation (AEF) and KT Cultural Foundation (KTCF) launched a signature project to raise awareness on ICT misuse and guide a safe utilization of the ICT

Project Title: Development of Education Program on Effective and Productive Utilization of ICT for Early Learners and Novice ICT Users (AEF, 2008)

Project Period: 1 year (January – November 2008)

Purposes:

• To develop preventative media education programs
• To contribute in bridging the digital divide as well as building up an advanced and mature ICT environment in the APEC member economies
Outcome 1

Educational materials developed in 2008

- 7 kinds of electronic booklets/hard copies

1. For Teachers: Guide to effective and productive utilization of ICT
2. For Parents: Guide to effective and productive utilization of ICT
3. For Novice ICT users: Guide to effective and productive utilization of ICT
4. For Early Childhood Educators: Guide to effective and productive utilization of ICT
5. Protection of Personal Information: Guide to fair use of internet
6. Copyright Protection: Guide to fair use of internet
7. Internet and Growing up: Guide to responsible use of internet
• 16 kinds of short flash movies translated in 6 different languages such as Bahasa Indonesia, English, Korean, Spanish, Thai, and Vietnamese

1. Two sides of Internet
2. Internet addiction
3. Game addiction
4. Pornography addiction
5. Mobile phone addiction
6. Confusion between cyberspace and reality
7. Reckless clicks and zombie PCs
8. Phishing

9. Protection of Personal Information
10. Provision of False Information
11. Mobile Phone Manner
12. Prevention of VDT Syndrome
13. Verbal Violence
14. Production and Distribution of Viruses
15. Illegal Copying and Distribution
16. Copyright Infringement

* All materials are available from www.apecict.net
Problem 2 Occurred!

‘How to distribute?’

1. Development of educational materials
   <e-learning contents> : Electronic booklets / flash animations

2. Distribution to APEC region was made through open website :
   www.apecict.net with direct distribution at the meetings...

Is that all? And what else??

Efficient distribution and active utilization of education materials were needed!!
Solution 2

‘APEC Training Program for Preventive Education on ICT Misuse’ (SPSG, TELWG & HRDWG, 2009-2013) has been launched

» Proposed by Korea as a Self-funded project
» KTCF and APWINC implemented
» Project duration: 4 years (May 2009 – April 2013)
» Key activities: trainings, workshops, poster exhibition
» Expected beneficiaries: general ICT users (including students, novice ICT users), teachers, parents, and etc.
» Co-sponsorship: Philippines and Indonesia
» Co-project approved from both APEC TELWG and APEC HRDWG
Solution 2 (cont.)

Newly developed educational materials for training program

» Training guide book for trainers
» Training modules in ppt slides
Outcome 2


» Consists of 3 steps
  1. ToT (Training of Trainers)
  2. End-users Training
  3. Debriefing

» Involved groups as target:
  ✓ Students
  ✓ Teachers
  ✓ Parents

» Involved Teachers as Trainers

» Target end-user participants: middle to advanced ICT knowledge/skills for teacher and student groups, low to advanced ICT knowledge/skills for parents
Problem 3 Occurred!

‘How to maximize the use of training module?’

1. Distribution and Customization of the educational materials through ‘Training Program’
2. 3 steps’ off-line training program established; Training of Trainers, End-users’ Training, and Debriefing
3. Pilot trainings in the Philippines, and Indonesia done
4. But then, is that all? How to maximize the use of training module? How to maximize the beneficiaries?
Solution 3

‘e-module creation’

1. From Thailand session(2011) to Malaysia(2011) and Viet Nam(2012), local experts and technicians were collected and invited first to build the e-module for the training program. And then with the e-module, 3 steps off-line training done.

2. Even after the training session done, the beneficiaries could be increased thanks to the e-module.
Outcome 3

E- modules were created for each economy

Thailand (2011)
www.ThaicyberTelecentre.org/elearning

Malaysia (2011)
http://www.skmm.gov.my (Klik Dengan Bijak!)

Viet Nam (2012)
http://ict.stttt.binhdinh.gov.vn
### Total beneficiaries from 5 pilot training runs in 5 APEC economies
(As of March 2013)

**Total trainees: 85,890**

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</thead>
<tbody>
<tr>
<td>Trainers</td>
<td>16</td>
<td>20</td>
<td>50</td>
<td>13</td>
<td>30</td>
</tr>
<tr>
<td>Trainees (direct)</td>
<td>60</td>
<td>48</td>
<td>-</td>
<td>43</td>
<td>130</td>
</tr>
<tr>
<td>Trainees (by e-module)</td>
<td>-</td>
<td>-</td>
<td>3,000</td>
<td>61,440</td>
<td>21,450</td>
</tr>
</tbody>
</table>

Total trainees: 85,890
Other activities: awareness raising events

» Awareness Raising Activity through ICT Poster Competition and Exhibition

- In 2008, The Competition was themed “Information and Communication Technology for Hope,” 7 award winning posters and 30 finalists were decided, and those were also exhibited at the OECD Ministerial Meeting on the Future of the Internet Economy held on 17-18 June, 2008 in Seoul, Korea.

- In 2010, 24 poster from APEC member economies were exhibited at “Cyber Security Awareness Poster Display“ during TELMIN 8 in Okinawa Japan. APEC TEL Ministers showed a lot of interest on this event.
The ‘2\textsuperscript{nd} phase of APEC training Program for Preventive Education on ICT Misuse’

- As a following up project, 2 years-long project has been launched at APEC TEWLG during 2013-2015.

- Differences from the 1\textsuperscript{st} phase of the program:
  • More emphasis on ‘Sustainability’ of the program
  • Constant program launching at Information Access Centers (IAC) of National Information Security Agency of Korea

- First training program conducted at IAC of Darmajaya, Indonesia (2013) [http://iac.darmajaya.ac.id/emodul/](http://iac.darmajaya.ac.id/emodul/)
Successful points of the ‘APEC project’

1) Listen to and accept local expert advice for program contents
   Contents collection -> selection -> customizations
2) Deliver contents with local education material in local way
   Appropriate educational methodology
3) Use much visual contents in diverse activities.
   Experienced technical skills

Improvements of the ‘APEC project’

- Limitations of law educational contents
- Monitoring system
- E-module quality control
- Program sustainability
**Key findings**

- APEC project has focused on increasing beneficiaries rather than offering very good quality training program. Time to concern the quantity as well as quality of program.
- Due to the quick technology development, training resources become out of date soon. Need to revise the materials responding the reality.
- Sustainability should come first. That’s the key of initiative.
- Co-work from field level to policy level can makes the sustainability.
- Awareness campaign such as poster competition/displays can encourage interest from public.
- Ethical education approach is needed than problem controlling approach.
- Standard of dividing groups: ages, level of ICT usage, teachers, parents?
- Parents-kids together education is recently recommended.
- Main target group was kids, but it was been extended to teachers, parents.
- ‘Schools’ participation can generate the training not only for kids/students but teachers and parents.
# Recommendations for multi-nations program

<table>
<thead>
<tr>
<th>6 WH Analysis</th>
<th>Issues to concern</th>
<th>project implications</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>What?</strong></td>
<td>good resources of educational materials</td>
<td>Need to collect possible resources, and select resources</td>
</tr>
<tr>
<td><strong>For Whom?</strong></td>
<td>scope of target group</td>
<td>Stable network/platform to give the program, Need to differentiate target group?</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Parents-kids together education?</td>
</tr>
<tr>
<td><strong>With Whom?</strong></td>
<td>Partners</td>
<td>3 steps co-work structure (Project implementer-moderators – beneficiaries)</td>
</tr>
<tr>
<td><strong>Where?</strong></td>
<td>stable venue to keep the program</td>
<td>Tele-centers, government, IGOs</td>
</tr>
<tr>
<td><strong>How?</strong></td>
<td>Efficient and right methodology</td>
<td>Customization, E-module creation, Instructors needed</td>
</tr>
<tr>
<td><strong>When?</strong></td>
<td>regular program launching</td>
<td>Need to offer regular program, Free access to e-module</td>
</tr>
<tr>
<td><strong>Why?</strong></td>
<td>Clear purpose setting</td>
<td>Strong motivation offer</td>
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</tbody>
</table>
Thank You!

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