

Annex1.

Overview of Governmental Electrical Educational Plan

Nation: *The People's Republic of China*

Province/ country: *Dunhuang, Gansu*

Period of plan: *2004-2008*

I. Background Information

1. Something of basic installment

a. **Basic installments of Dunhuang's Internet broadband:** A affluence switchboard is installed in the center with five IP DSLAM, each can admit 100 trillion optical cable. Three towns have turned on the accessing of Internet broadband. Now 1170 households surf the Internet by it. Nearly 3000 households (enrolled number) surf the Internet by dialing, which is about 10 percent of fixed phone households.

b. **Wire television have popularized totally in Dunhuang.** In countryside it has reach 85 percent of all users and 35 percent use optical cable to transmit signal.

c. **Building information of school computer classrooms:** 11 town middle schools have built computer classroom which have 25-30 computers in countryside, and 4 middle schools surf the Internet by dialing, one installed Internet broadband.

d. **The number of telephone in Dunhuang is 34 thousand, it is 70 percent of all households.**

2. Basic resources of the Internet

a. **The households which covered by phone wire can surf the Internet by dialing, which have reached 15 percent at present.** Five towns have switched on Internet broadband.

b. **There are 24 commercial Internet bars in Dunhuang.** The number of PC is 906. The government of the city and towns switched on Internet and towns have finished point to point transmission, Dunhuang government will build Dunhuang net.

3. The applications of Internet at present

a. **All middle schools of Dunhuang have computer course, Students can master basic knowledge and skills of communication by computer.**

b. **Professional technology workers, servants of government and some re-employees have passed computer training and reached primary standard of computer operating and they can communicate freely by net.**

c. **About 10 percent commercial companies, private companies and personal producer can give their production information and trade by net.**

4. Development of Internet contents

a. **Take net to study.** Charge connected learning material and take latest results to study.

b. **Using net to do some office work.** Government and companies can take Internet to look for information and send E-mail and so on.

c. **Take Internet to entertain.** According to the related information which was offered by the net to arrange travel and play games online.

d. **Take Internet to communicate.** People can talk with each other and keep in touch by net.

5. Law's construction of lifetime learning information.

a. **According to Continual Educational Principles of Gansu Professional Technologists, Dunhuang Government made Continual Educational Principles of Professional Technologists to arrange continual education task of professional technologists.** According to every system's annual work characters, servants of government arrange corresponding continual educational task.

b. **Labor department should train laid-off and jobless people without asking gender and age.**

c. **Government arrange countryside's labor and obtain Green Declaration and take spare time of**

farm to hold Winter of Farmer which is about practical technology training.

6. Information of digital degree

At present, digital have come true in communicative aspect. Digital transmission optical cable of Dunhuang wire-television have been finished completely. Rural optical cable will be finished within five years. Digital wire-television has been developing little by little. Relics under the digital protection have been finished. All administration departments and 90 percent of industrial and commercial companies take computer to work. Families which have computers have reached over 8 percent.

7. Fruits of specialty cooperate project

At present, no fruits of cooperate project have been signed with private company

II. Solution of important problems

1. Production of copyrights

a. Government take forceful measures to strike privacy edition electrical production. The cultural department should Check the departments which operate electrical publication. All privacy edition things should be destroyed and the operator should be punished seriously as well.

b. Development of government procurement system avoids the ways which privacy edition productions entering into government departments. All the electrical goods of government should enjoy the protection of copyrights.

c. Advertise the protection of knowledge rights and improve people's consciousness of knowledge ownership.

2. Continual operation of educational website.

a. Government should make educational website in the annual plan and offer financial administration support. Educational website can make some money by training. Both of these can offer enough expense which the educational website needs.

b. Education, human affairs and labor department can offer human resources which can supply the website continuous operating.

c. Educational department can make an annual assessment to the website which can operate normally.

3. Characteristic of website content

a. Build up an educational resource storeroom. Educational content which is fit for Dunhuang will be collected and arranged according to different types and experts of ERC will renew it periodically.

b. Information can communicate and share with each other. Take advantages of Dunhuang Internet human resources to develop Internet communication and strengthen the ability of changing Internet information into realizable production power.

4. Improvement of learning skills on the Internet

a. Strengthen school's IT education. Learning skills on the internet should be trained according to the plan of teacher-student-household-social labors and improve the reading and writing skills of the educators.

b. Bring up many Internet technologists to meet the need of internet's learning.

5. The ways of improving positive learning

a. The education of computer should be started with child.

b. Take the effect of victor to encourage

c. Advertising the necessity of information technology widely and encouraging people to take part in electrical educational activities.

6. Expected ability of which learner can reach in the future

a. Communicate by the Internet skillfully.

b. Improve labor efficiency by Internet information.

c. Bring up good Internet Character

III. Complementing procedures

1. About educational environment

a. Set up more perfect manage center of electrical educational Internet. Every town's middle school build computer's classroom which contain 50 computers and connect with internet. The school push towns and form a big social environment of electrical education.

b. Bring up 100 computer's teachers and prepare teachers for developing education totally.

2. Use IT in the courses

Computer technology training content should be added to training course and take computer to train widely.

3. Open up resources and flat-tops

Open all facilities of electrical education to the public. People can try to find and publish information and ask for help.

4. Train and support all the teachers

a. Local training: managers and teachers who connect with electrical educational plan should be trained by assembly training and internet training.

b. Different place training: Send some excellent people to take part in training in universities or concerned departments for local training teachers.

5. Set up a learning union which connects households, teachers and students.

Set up the internet educational pattern of elementary education, professional education and adult education to form an electrical educational unit which contain parents, teachers and students and then strengthen people to accept computer education widely.

6. Assessment of all practical work

a. The educational department should check the construction and annual training plan of electrical education basic facilities.

b. The Internet manage center of electrical education supervise the performance of plan and report to the superior office and then the problem can be solved immediately.

c. Set up a discussion flat top by the net in order to strengthen communication with others and take their advice to improve our electrical educational work.

7. Invite Lanzhou University as the inquiring department of Dunhuang's electrical educational plan.

IV. Detailed ways and measures

1. Complement of professional human resource

a. Invite graduating students to join the practical of electrical educational plan.

b. Choose people who is on the job and good at electrical education to join training at fixed department.

c. Invite professional people who is good at the community's information technology to join government electrical educational plan.

2. Department of exchanging information

Educational Bureau of Dunhuang set up an electrical educational manage center of internet. The internet center of towns, the internet station of villages and the manage center of electrical education internet will be connected together by VPN and offer resources and technology conduction for educators.

3. Development of electrical education

a. Computer technology textbooks which are fit for local situation should be researched and published.

b. Collect and arrange scientific knowledge and practical information which are fit for Dunhuang's

situation.

- c. Develop culture and travel resource information of Dunhuang.
- d. Offer the conduction of policy and law and the concerned material of quality of life.
- 4. The plan which is used for checking the practical effect of learning plan.
 - a. The period exam and certificate exam of training.
 - b. The educational department's annual assessment of electrical education
 - c. The supervision of electrical education Internet manage center to the every town's Internet center
 - d. The audit of Internet operating expense
 - e. The manage of electrical education's educator
- 5. Measures toward digitalization
 - a. Set up the special manage department
 - b. Encourage absorb different kinds of finance, especially folk finance.
 - c. Make and improve the corresponding system of award and punishment.

Dunhuang Government

April 6th, 2004