

Apinan Dhammakun 2009: State, Problems, and Needs on Information and Communication Technology of Secondary Schools in Si Sa Ket Province.
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Thesis Advisor: Assistant Professor Kobkul Sunphakitjumnong, Ph.D. 143 pages.

The purposes of this research were to study state, problems, and needs on information and communication technology of secondary schools in Si Sa Ket province.

The population were 92 school principals and 92 school ICT staff of secondary schools in Si Sa Ket Province. Questionnaires were used for data collection. However, the accessed population were 60 principals and ICT staff. Data were analyzed using frequency, percentage, mean, and standard deviation.

The results showed that: 1) Most of secondary schools in Si Sa Ket province were small-sized, connected the internet by satellite, the administer of micro-computer and internet network were teachers, the ICT personnel were graduated in bachelor degree (computer science), most of teachers and personnel were surfing the internet for data, produced the computer assisted instruction (CAI), communicated by official letter, telephone, electronic mail, and radio broadcast, information were kept in papers, students data was the only database used, schools use student grant-in-aid budget for supporting ICT operation, school principals ranked personnel budget as the first important priority, the key success factor of ICT management were appropriate job assignment and budget planning. 2) The school problems on ICT were lack of computer assisted instruction, lack of ICT specialist personnel and budget for ICT management, however, school employed educational fund raising via the religion temple. And 3) The school needs on ICT were the sufficient number of micro-computer for school management, and for teacher and student services, the minimum specification of CPU was Pentium 4, Flash, Moodle, and management software packages were also needed, LCD projector was required, Most schools need two additional computer teachers and approximately 560,000 Baht per year for ICT management expenses.

Student's signature

Thesis Advisor's signature