

A WEB-BASED GUIDANCE SYSTEM WAS IMPLEMENTED FOR THE LIVING TECHNOLOGY TEACHER

Chu, Yao-Ming. National Kaohsiung Normal University Of Taiwan.

Department of Industrial Technology Education

t1179@nknucc.nknu.edu.tw

Yang, Hung -Jen. National Kaohsiung Normal University Of Taiwan.

Department of Industrial Technology Education

hjyang@nknucc.nknu.edu.tw

Chao, Shih Van. National Kaohsiung Normal University Of Taiwan.

Department of Industrial Technology Education

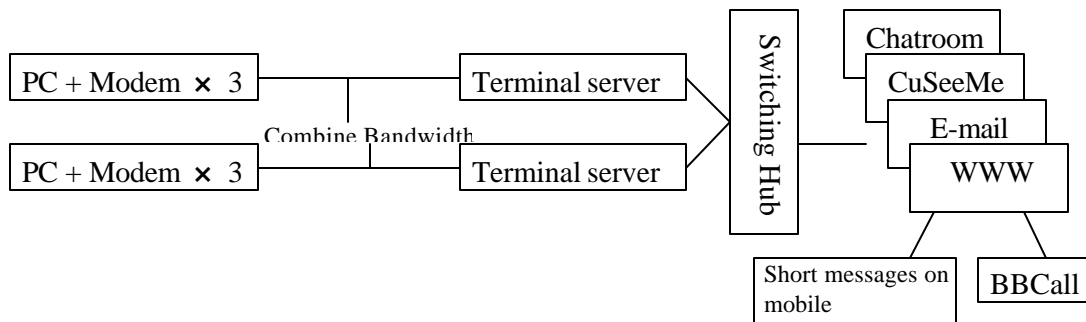
jim@controller.nknu.edu.tw

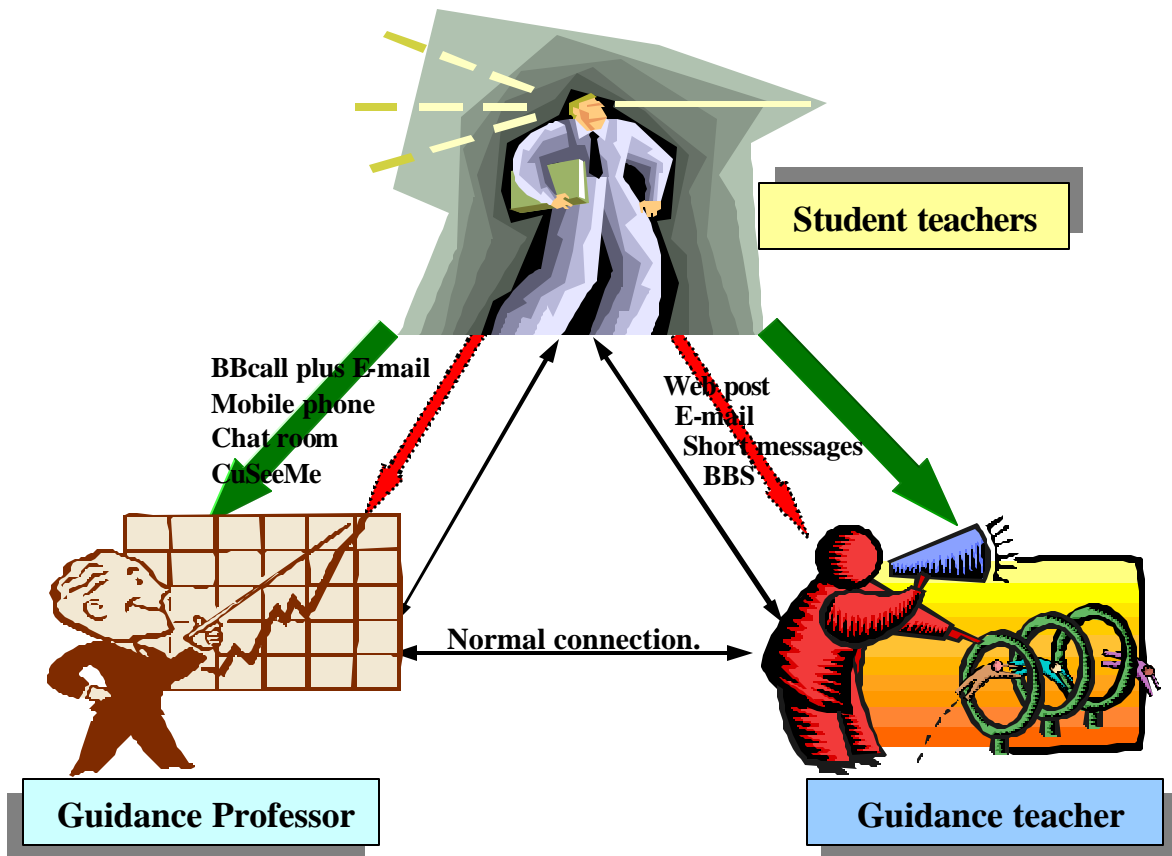
Abstract: The purpose of this study was to identify a junior high school technology student teachers' remote teaching guidance model through Internet. A Web-based guidance system was implemented for the beginning Living Technology teacher.




This system included seven communication paths, which were WWW, E-mail, BBS, Chat Room, Videoconference plus E-mail and Mobile phone/BBCall and mobile short messaging to support the guidance for beginning teachers. This system was mainly used to establish communication among student teachers, guidance teachers, and guidance professors.

Network connection Method Of Remote Teaching Guidance

A survey instrument was design to collect data from all three groups for evaluating the system. Statistical analysis result was discussed. The network resources used in the system were also presented





-  Real-time guidance needed start.
Include BBcall plus E-mail, Mobile phone, Chat room, Videoconference.
-  Normal connection.
-  Non real-time guidance needed start.
Include Web post, E-mail, BBS, Short messages on mobile phone.

The researcher found that WWW and Email were most used by professor and beginning teachers and they worked very well. They were seems not used to communicate with each other by real time communication tools such as CuSeeMe or Chat even though there was no network problems. Beginning teachers were ask question directly to their colleague—senior teacher instead of professor. Therefore, focus on senior teacher’s guidance skill was important to guide a beginning teacher.

References

- Brown, J. S., Collins, A. M., & Duguid, P. (1989). Situated cognition and the culture of learning. Educational Researcher (18) 1, 32-42.
- Gaspar, R. f. & Thompson, T. D., 1995. Current trends in distance education. Journal of Interactive Instruction Development. 8(2). 21-27.
- Odell, S. J. (1986). Induction support of new teachers: A functional approach. Journal of Teacher Education 37(1), 26-29.
- Odell, S. J. (1987). Stages of concern of beginning teachers in a collaborative internship induction program. Paper presented at the annual meeting of the Association of Teacher Educators, Houston, TX.
- Veenman, S. (1984). Perceived problems of beginning teachers. Review of Educational Research, 54, 143-178