



Technical Session V : Presentation- 6

Using ICT for Improving Instructional Effectiveness in TVET System in Korea

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ABSTRACT

Vocational education refers to Industry and business education, technical education, and vocational training aimed at acquiring the knowledge and skills necessary to engage in a particular job field. In the field of vocational training, most practical training is conducted in the field of practice. Thus, a teaching-learning method should be applied to give individuals the opportunity to voluntarily participate in their own development by giving them the opportunity to continuously interact with other learners during the learning process, to share knowledge among learners and to create and utilize new knowledge at any time and place. Thus, the following conditions were set up for the optimal teaching-learning method of education, as long as it was suitable for these needs. The condition, first, maximizes learners' self-directed activities such as experience and practice. Second, it provides a venue for collaborative learning so that collaborative learning can be achieved among learners. Third, it creates conditions that allow students to learn anywhere. Fourth, ICT skills are acquired by utilizing ICT technology in learning processes such as learners' experiences and practices. Based on these conditions, the 'project-based learning method using ICT' was applied. Through the application of 'the project-based learning method using ICT', the results were investigated. As a result, the project-based learning method using ICT was recognized as comprehensively understood the contents of the major classes while carrying out the project, and the ICT utilization ability, such as information processing ability, data retrieval and organizational ability was greatly enhanced. In addition, it was found that self-directed learning skills and motivation, collaborative activities among learners, level of learning participation, satisfaction with learning, and confidence in learning became active and better.

Keywords : ICT, Project Based Learning, Technical Vocational Education and Training

BRIEF CV

Dr. Lee Young Min is presently working with KRIVET (Korea Research Institute for Vocational Education and Training), as a Research Fellow. He also served as a Board Member for General Secretary of "Korean Society for the Study of Vocational Education". Dr. Lee is sharing many other roles like Chief of Editor of "Korean Society for the Study of Vocational Education, Vice President of "Korean Institute of Industrial Education" and Chairman of the ethics committee of "Korean Institute of Industrial Education".