

## Enhancement of Higher Order Thinking Skills among Teacher Trainers by Fun Game Learning Approach

**Authors :** Malathi Balakrishnan, Gananathan M. Nadarajah, Saraswathy Vellasamy, Evelyn Gnanam William George

**Abstract :** The purpose of the study is to explore how the fun game-learning approach enhances teacher trainers' higher order thinking skills. Two-day fun filled fun game learning-approach was introduced to teacher trainers as a Continuous Professional Development Program (CPD). 26 teacher trainers participated in this Transformation of Teaching and Learning Fun Way Program, organized by Institute of Teacher Education Malaysia. Qualitative research technique was adopted as the researchers observed the participants' higher order thinking skills developed during the program. Data were collected from observational checklist; interview transcriptions of four participants and participants' reflection notes. All the data were later analyzed with NVivo data analysis process. The finding of this study presented five main themes, which are critical thinking, hands on activities, creating, application and use of technology. The studies showed that the teacher trainers' higher order thinking skills were enhanced after the two-day CPD program. Therefore, Institute of Teacher Education will have more success using the fun way game-learning approach to develop higher order thinking skills among its teacher trainers who can implement these skills to their trainee teachers in future. This study also added knowledge to Constructivism learning theory, which will further highlight the prominence of the fun way learning approach to enhance higher order thinking skills.

**Keywords :** constructivism, game-learning approach, higher order thinking skill, teacher trainer

**Conference Title :** ICELD 2016 : International Conference on Education, Learning and Development

**Conference Location :** Penang, Malaysia

**Conference Dates :** December 01-02, 2016