Abstract

In recent years distance learning has been a revolution in the techniques used to train people; among them we find the courses as MOOCs (Massive Open Online Courses).

The use of this type of course emerged in phenomenal way especially in academia. But in parallel with this emergence, several problems related to MOOCs appeared, among them the dropout of participants, which is considered one of the major problems faced by distance learning.

This thesis focuses on one of the main causes of the dropout of participants; it is the necessary prerequisite to begin the MOOC. First job is to categorize the participants according to their prerequisites in several learning profiles, and then to propose adaptive remediation activities to each profile found before starting the MOOC.

**Index Terms**

Computer Science  
Information Sciences

**Keywords**

MOOC, cMOOC, xMOOC, distance learning, learning profile, pedagogy, learning style.