Abstract

The didactic technique called Learning Based on Problems (in Spanish ABP) will work as a strategy of learning to acquire knowledge and to develop abilities and attitudes in the education of the subject of the recursion. This subject must be developed in courses that teach the student a mechanism of construction of algorithms. Many usually consider that the only way to master this programming technique is by mentally running many recursive programs until it is understood out of insistence. The main goal is to promote independent learning using ABP as a didactic technique, which allows small groups of students to work collaboratively in the study of a problem to generate viable solutions; this will make the students assume a greater responsibility for their own learning. This article not only explains what the ABP technique consists of and raises conclusions on results when applying the technique in the education of the subject of the recursion, but also provides a detailed guide for development and a guide of evaluation of such technique.

Keywords

RECURSION, ITERATION, PROBLEM-BASED LEARNING (PBL).