

The Influence of Students' Learning Factor and Parents' Involvement in Their Learning and Suspension: The Application of Big Data Analysis of Internet of Things Technology

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Abstract : This study is an empirical study examining the enrollment rate and dropout rate of students from the perspectives of students' learning, parents' involvement and the learning process. Methods: Using the data collected from the entry website of Internet of Things (IoT), parents' participation and the installation pattern of exit poll website, an investigation was conducted. Results: This study discovered that in the aspect of the degree of involvement, the attractiveness of courses, self-performance and departmental loyalty exerts significant influences on the four aspects: psychological benefits, physical benefits, social benefits and educational benefits of learning benefits. Parents' participation also exerts a significant influence on the learning benefits. A suitable tool on the cloud was designed to collect the dynamic big data of students' learning process. Conclusion: This research's results can be valuable references for the government when making and promoting related policies, with more macro view and consideration. It is also expected to be contributory to schools for the practical study of promotion for enrollment.

Keywords : students' learning factor, parents' involvement, involvement, technology

Conference Title : ICSSIS 2018 : International Conference on Social Sciences and Interdisciplinary Studies

Conference Location : Dublin, Ireland

Conference Dates : July 23-24, 2018