
Students' Engagement, Satisfaction, and Learning Outcomes in a Flipped Classroom

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Abstract

A study on the effect of flipped classroom towards the students' engagement, satisfaction and learning outcomes have been statically analysed. The flipped classroom approach leverage technology that assist the student learning experience, such that by resourcing learning material before class and use the time in the classroom to engage the student with activities involving higher order thinking. With regard to learning outcomes, engagement, and satisfaction, this study investigates how Polytechnic METrO Kuala Lumpur students perceive their flipped classroom experience. The data obtained were collected through an online survey among 76 students that have taken statistic course DPB1013 that implemented flipped classroom approach. The data were analysed using SPSS focusing on the descriptive analysis which analysed the three main factor; students' engagement, satisfaction and learning outcomes. The results found shows that the flipped classroom approach encourage the student self-paced engagement and increases their learning performance and thus lead to a higher level of student satisfaction.

Keywords: *flipped classroom; learning outcomes; student's engagement; satisfaction*
