

ENGINEERING HABITS OF THE MIND AND THE LEVEL OF ACADEMIC SELF-EFFICACY OF SELECTED SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS STUDENTS



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Abstract

The demand for 21st century skills that need to be developed among today's learners led educators to explore several factors that will prepare students to deal with the challenges of the real world. The Engineering Habits of the Mind (EHoM) are also considered as the soft skills necessary to be successful in life and the students' belief that they are competent enough to accomplish tasks, known as academic self-efficacy are the two factors assessed in this study. This descriptive-correlational research was conducted among 60 STEM students enrolled in the University of Perpetual Help System-Laguna during the Academic Year 2021-2022. The findings reveal that the respondents have Very Good EHoM and Average Academic Self-efficacy. Inferential statistics revealed that EHoM do not affect the student academic self-efficacy. However, based on the findings of the study, it is recommended that activities that will enhance the students' EHoM and academic self-efficacy must be incorporated in the learning activities in all disciplines.

Keywords:

Engineering Habits of the Mind, academic self-efficacy, STEM students