A mixed learning approach in mechatronics engineering

Winncy Y. Du

San José State University
San José, United States of America

ABSTRACT: This article presents a method for improving the current pedagogical strategy for sustainable education through creating a mixed learning scenario that integrates different learning styles such as reading, hearing, speaking, trying and realising into the learning process. The author took a mechatronics course offered at San José State University, San José, USA, as a working model in order to experiment the proposed teaching strategy for two semesters, with emphases on maximising students’ learning by addressing all of the various learning styles. The effectiveness of this approach was assessed through student evaluation results and a student survey.