

## ABSTRACT

The purpose of this study is to develop a functional prototype of a Basic Electronics Trainer (BET). The high price of imported laboratory equipment and the limited number of locally available original equipment manufacturers in the country resulted to the scarcity of laboratory equipment in industrial training centers and institutions. This trainer is intended to augment the existing laboratory equipment needed by both industrial training centers and institutions.

The results of this study show that the Basic Electronics Trainer can be designed and fabricated using locally available materials. Based on the results of the evaluation conducted, the Basic Electronics Trainer is functional, viable, safe, easy to use, and it can be mass produced. The project acquires an overall mean of 4.7 with corresponding descriptive rating of highly acceptable, as rated by trainees from Hitec RCD, students of DLSU-D and faculty members of the College of Engineering and Technology of DLSU-D.