

# **THE EFFECT USE OF VIDEO LECTURE ON POLITEKNIK KUCHING SARAWAK STUDENTS' MASTERY OF COMPUTER AIDED DESIGN SOFTWARE**

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## **ABSTRACT**

Computer Aided Design course in Department of Mechanical Engineering, Politeknik Kuching Sarawak utilizes Autodesk Inventor, a three-dimensional design software as its teaching tool. This study aims to analyse the effects of video-based instruction, which can be found for nearly any topic on the internet that grabs one's interest these days. The study measured students' rate of mastery of basic modelling skills while using Autodesk Inventor. Data collection was conducted by comparing pre-test scores and post-test scores, before and after the intervention of video lectures. Thirty-five (35) students were subjected to the intervention and the results suggest that video lecture instruction increased students' rate of mastery and retention of basic modelling skills. It is also observed that these video lectures provide students with a means of reference during the teaching and learning process apart from during self-study.

**Keyword:** Computer Aided Design, video lecture